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Global Campus Catalog

The purpose of this bulletin is to provide information about CMU's academic programs available in the 2017-18 academic year and information concerning admissions, academic regulations and requirements, services available to students, and CMU staff and faculty.

Students are responsible for ensuring that all requirements for graduation have been met. It is expected that students will regularly discuss their plans of study with academic advisors. Central Michigan University reserves the right to modify curricula, rules, policies, fees, program requirements, and courses offered and other information contained in this Bulletin at any time, without notice. The provisions of this bulletin do not constitute a contract, express or implied.

CMU, an AA/EO institution, strongly and actively strives to increase diversity and provide equal opportunity within its community. https://www.cmich.edu/office_president/ocrie/Pages/default.aspx

Tobacco-Free Policy: Central Michigan University (CMU) is committed to the health and wellness of its students, faculty, staff and visitors. The tobacco-free policy will ensure that every student, employee and visitor has a healthy living, learning, and working environment.



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Welcome to Central Michigan University



From the President...

It is my honor to welcome you to Central Michigan University.

Our primary focus at Central Michigan University is to prepare you to succeed in your professional and personal lives.

You will learn from caring, accomplished professors who are experts in their fields. You will build connections, participate in leadership experiences, join student organizations and engage in hands-on learning — all of which set the stage for your career and shape your life for the long term.

Our faculty and staff will help you find your personal path forward, in an environment where you are surrounded by opportunities and achievement.

Consider that CMU is among only 5 percent of U.S. universities in the highest two Carnegie research classifications. Our sales students earn top national honors. Fiat Chrysler has named CMU one of its top 10 global recruiting universities. And our Biosciences Building — the largest construction project in our history — is open for classes, addressing student demand in the sciences and providing rich opportunities for study and research.

When your degree is complete, you will have gained the skills and knowledge you need to join the proud network of more than 220,000 CMU alumni worldwide.

Education transforms lives, communities, nations and the world. On behalf of the entire CMU community, I am excited to see you put your stamp on the world.

Best regards,

A handwritten signature in black ink, appearing to read "George E. Ross".

George E. Ross, Ph.D.
President

Administration

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Lori L. Hella (1996) Associate Vice President/Human Resources; B.A., Alma College; M.S.A., Central Michigan University
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Mary Moran Hill (1986) Associate Vice President/Financial Services & Reporting/Controller; BSBA, Central Michigan University
Steven L. Johnson (2012) Vice President for Enrollment and Student Services; A.B., Davenport University; B.B.A., Davenport University; M.A., Eastern Michigan University
George Kikano (2015) Dean, College of Medicine; B.S., American University of Beirut; M.D., American University of Beirut
Sherry S. Knight (2012) Associate Vice President of University Communications; B.A.A., Central Michigan University
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Thomas J. Masterson, Jr. (1999) Dean/Health Professions, The H.H. & G.A. Dow College Of Health Professions; B.A., University Of Wisconsin At Madison; M.A., University Of Wisconsin At Madison; Ph.D., University Of Wisconsin At Madison
Dave K. Patton (2001) Interim Associate Vice President/Enrollment Management, Enrollment & Student Services; B.A., Northern Michigan University; M.A., University Of South Carolina; Ph.D., University Of South Carolina
Dale-Elizabeth Pehrsson (2012) Dean, College of Education and Human Services; B.S., University of the State of New York; M.Coun., Ed.D., Idaho State University
Roger E. Rehm (1975) Vice President/Technology/CIO; B.M., M.M., Cleveland Institute of Music
Peter G. Ross (1991) Vice Provost/Academic Development; B.A., Polytechnic Of Wales; M.S., Southern Illinois University At Carbondale; Ph.D., Southern Illinois University At Carbondale
Manuel R. Rupe (2009) Vice President and General Counsel; B.A., Kalamazoo College; J.D., DePaul University; Ph.D., Western Michigan University
Anthony A. Voisin (1985) Associate Vice President for Student Affairs; B.A.A., M.A., Central Michigan University
Jonathan D. Webb (2016) Associate Vice President/Facilities Management; B.S., Ohio State University; M.A., Webster University
Kathleen M. Wilbur (2002) Vice President for Development and External Relations; B.A., Michigan State University; M.A., Michigan State University
Barrie J. Wilkes (1992) Vice President for Finance and Administrative Services; B.A., Michigan State University

*The year in parentheses indicates the date first employed by the university.

Accreditation and Assessment

Accreditations

Regional accreditation has been granted to more than 2,500 higher education institutions throughout the United States. This accreditation must be awarded by one of six organizations, each focusing on a specific region of the country. Accreditation is recognized by the United States Department of Education and federal financial aid is available to students attending schools that are accredited.

Central Michigan University was first accredited in 1915 by the North Central Association of Colleges and Schools (NCA) as Central State Teachers College and has been accredited since, with the exception of 1922-23. NCA accredited the first master's program in 1957 and approved the offering of doctoral programs in 1992. The last comprehensive evaluation took place in 2015-2016, at which time CMU was reaccredited for 10 years. The current accrediting body is now known as The Higher Learning Commission (HLC) and is located at 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604-1411; www.hlccommission.org.

A number of CMU programs have been reviewed and accredited by one or more specialized accrediting organizations. The teacher education programs are accredited by the Council for Accreditation of Educator Preparation (CAEP). CMU's education programs leading to certification are also approved by the Michigan Department of Education. The College of Business Administration is accredited by the AACSB International - The Association to Advance Collegiate Schools of Business. This accreditation covers all undergraduate and masters degree programs in business offered by the College. AACSB International is the premier accrediting agency and service organization for business schools.

Other programs hold national accreditation by one or more of the following organizations: National Association of Schools of Art and Design; Commission on Accreditation of Athletic Training Education; Council on Academic Accreditation in Audiology and Speech-Language Pathology; American Chemical Society; Engineering Accreditation Commission of Accreditation Board for Engineering & Technology (<http://www.abet.org>); National Environmental Health Science and Protection Accreditation Council; National Council on Family Relations; Association of University Programs in Health Administration; Council for Interior Design Accreditation; Accrediting Council of Education in Journalism and Mass Communication; Liaison Committee on Medical Education; National Association of Schools of Music; Accreditation Council for Education in Nutrition and Dietetics; Council on Accreditation of Parks, Recreation, Tourism, and Related Professions; Commission on Accreditation in Physical Therapy Education; Accreditation Review Commission on Education for the Physician Assistant, Inc. (see the *Graduate Studies Bulletin* regarding this accreditation); American Psychological Association¹; National Association of School Psychologists; Network of Schools of Public Policy, Affairs and Administration; Council on Social Work Education; Commission on Sport Management Accreditation; Association of Technology, Management and Applied Engineering. The National Association for the Education of Young Children accredits CMU's Human Growth and Development Pre-School lab.

¹Questions related to Psychology programs' accredited status should be directed to:

Commission on Accreditation:
Office of Program Consultation and Accreditation
American Psychological Association
750 First Street, NE, Washington, DC 20002
Phone: 202-336-5979
E-mail: apaaccred@apa.org
Web: www.apa.org/ed/accreditation

CMU is also on the approved list of the American Association of University Women of Michigan.

Individuals who wish to review the accreditation documents should contact the office of Academic Effectiveness. Further information regarding specific program accreditation status is located at: https://www.cmich.edu/office_provost/AcademicAffairs/Accreditation/Pages/default.aspx.

Student Learning Outcomes Assessment

To assure that Central Michigan University's programs are strong and that students in them are attaining appropriate levels of knowledge, skills, beliefs and attitudes, the faculty and staff of Central Michigan University have developed ongoing processes to assess the learning and academic achievement of students in academic programs. Through this process, faculty carefully articulate program goals and learning outcomes while focusing experiences and assignments to prepare students to achieve those outcomes. An assessment plan is developed to measure progress toward the student learning outcomes, data are collected, and annual reports are developed and discussed by department faculty, chairs, and deans. An action plan is designed to drive program improvement.

Students participate in a wide range of assessment activities designed to provide useful information about the effectiveness of academic programs. From time to time during their courses of study, CMU students may be asked to demonstrate the breadth and depth of their knowledge, skill, beliefs and attitudes. We ask alumni their views about programs and their careers since graduation with regard to how well CMU's programs have met their needs. In addition, we ask employers what qualities they desire and expect of CMU's graduates. These efforts all combine to improve student learning and program quality and form the basis of our culture of continuous improvement in support of CMU's commitment to excellence.

About Central Michigan University

A Brief History of CMU

Central Michigan University is in its second century as an institution of higher learning focused on creating a caring and engaging environment for students to achieve success.

Central opened its doors on September 13, 1892, as the Central Michigan Normal School and Business Institute, with classes in teaching, business and stenography. At that time, few of the state's teachers received any formal training in teaching, so school founders made teacher training their mission in founding the state's second normal school. In 1895, the Michigan State Board of Education assumed control of the school, which had grown to 135 students, renaming it Central Michigan Normal School.

The school was accredited by the North Central Association for the first time in 1915. In 1918, the Bachelor of Arts degree was first awarded, followed by the Bachelor of Science in 1927. Central's first graduate courses were offered in 1938. Prior to World War II, the school's name changed again — first to Central State Teachers College, then to Central Michigan College of Education. In the post-war years of 1949-59, Central's first master's degree was accredited by the North Central Association. On June 1, 1959, Central was renamed Central Michigan University.

In 1971, the Institute for Personal and Career Development was established to provide academic programs for students with limited access to traditional forms of education, which eventually became Global Campus.

The Specialist in Education degree marked CMU's entry into training beyond the master's degree level. In the early 1970s, CMU began offering doctoral programs. CMU's Global Campus continued to grow as well, and the university offered its first online courses in 1994, offering courses to students around the world.

In 2012, CMU opened its College of Medicine Building, where the first class of medical students began taking courses in summer 2013.

In addition, the state-of-the-art Biosciences Building opened for classes in January 2017. The facility serves students and faculty in the biological sciences disciplines from molecular biology and biochemistry to organismal biology and ecology, houses 40 research-active faculty members, and provides space for classrooms and laboratories. The \$95 million building was the largest capital project in CMU history.

Renovation and expansion to Grawn Hall, home of the College of Business Administration, began in May 2016. Renovations to the oldest building on CMU's campus will add another 6,600-square-feet between two stories, The project will be completed by fall 2017.

And even though so much has changed over the last two centuries, Central Michigan University's values today do not stray from those inscribed upon its seal in 1892: *Sapientia, Virtus, Amicitia* – wisdom, virtue, and friendship.

CMU Today

Central Michigan University is among the nation's 100 largest public universities, with more than 19,000 students on its Mount Pleasant campus. CMU also has nearly 8,700 students enrolled online and at more than 35 locations across North America, including 16 centers and sites across the state of Michigan.

CMU offers academic programs at the undergraduate, master's, specialist and doctoral levels, including nationally recognized programs in entrepreneurship, journalism, music, audiology, teacher education, psychology and physician assistant medical and health sciences. CMU also established a College of Medicine in 2012, which has already been recognized across the nation for its life sciences program and prime location. The first class of medical doctors graduate in May 2017.

With accomplished professors, there are countless opportunities for students to engage in applied research in world-class facilities. CMU is committed to providing students with a superior learning environment and global perspective to compete in an increasingly complex world.

CMU's impact and influence extend far beyond its main campus into the state, nation and world.

- CMU has been nationally recognized for its Leadership Institute and academic minor in leadership, the first one to be offered by a Michigan university.
- CMU is classified by the Carnegie Foundation for the Advancement of Teaching as a Doctoral Research University and currently provides more than 70 graduate programs at the master's, specialist, and doctoral levels. CMU also provides 10 Accelerated Master's Degree Programs, which allow undergraduate students at CMU to reduce the total number of credits required to complete their undergraduate and graduate degrees by applying up to 12 credit hours at the 500-600 level toward graduation requirements of both degree programs.
- CMU is ranked No. 1 for the best online programs for veterans.

Cutting-edge Student Research

Students have helped conduct cutting-edge research in Parkinson's and Alzheimer's diseases, the creation of biofuels and longer-lasting batteries, and developing improved methods of water purification. In addition, through the university's Institute for Great Lakes Research, CMU researchers acquired the only unmanned helicopter in Michigan equipped with a hyperspectral camera to advance research imaging of Great Lakes wetlands – the world's largest group of freshwater lakes.

Culture, Community, Resources

CMU is located in Mount Pleasant, Michigan, a classic college town at the heart of central lower Michigan. Mount Pleasant serves as the county seat for Isabella County and is home to 26,000 of the county's more than 70,000 people and growing. Mount Pleasant offers a blend of natural features, family attractions and small-town life complemented by university culture. Friends, family members, siblings and visitors are always welcome to come explore CMU's park-like campus or to attend plays, concerts, speeches, athletic events, library exhibits, summer camps and much more.

Charles V. Park Library. Central Michigan University library houses more than one million print volumes on 33 miles of electronically movable shelving, but it doesn't take a personal visit to acquire these resources. The Clarke Historical Library, located along the main corridor of the library, regularly displays items from its extensive list of historical holdings.

Vision, Mission, Values, and Priorities

Vision Statement

Central Michigan University, an inclusive community of scholars, is a national leader in higher education inspiring excellence and innovation.

Adopted by the Board of Trustees, December 6, 2012

Mission Statement

At Central Michigan University, we are a community committed to the pursuit of knowledge, wisdom, discovery, and creativity. We provide student-centered education and foster personal and intellectual growth to prepare students for productive careers, meaningful lives, and responsible citizenship in a global society.

Adopted by the Board of Trustees, December 2, 2010

Core Values

To achieve our mission, we adhere to the core values of integrity, respect, compassion, inclusiveness, social responsibility, excellence, and innovation.

Adopted by the Board of Trustees, December 2, 2010

Definition of Mission Statement Core Values

- **Integrity:** A steadfast adherence to the principles of honesty, trustworthiness, reliability, transparency, and accountability.
- **Respect:** Consideration of the rights, opinions, and ideas of others in a civil, fair, and thoughtful manner.
- **Compassion:** Empathy, concern and support for the needs and challenges of others.
- **Inclusiveness:** Conducting the activities of the university in a way that embraces shared governance, inspires tolerance, and welcomes diversity into our community.
- **Social Responsibility:** Fostering citizenship to promote the public good, environmental sustainability, global understanding, and informed political engagement.
- **Excellence:** Expectation that all activities are conducted with attention to quality and the highest levels of academic and professional standards.
- **Innovation:** Supporting progressive and meaningful research, creative activity, and teaching, Addressing challenges and issues from multiple perspectives to solve problems and advance knowledge.

Strategic Priorities

Priority 1: Student Success

Challenge our students to develop the knowledge, skills, and values to be successful and contributing global citizens.

Priority 2: Research and Creative Activity

Promote excellence in research and creative activities.

Priority 3: Quality Faculty and Staff

Foster a vibrant, innovative, intellectual community of high quality faculty and staff who value inclusiveness, diversity, shared governance, and respect.

Priority 4: Community Partnerships

Develop and strengthen learning experiences through collaboration with local, national, and global partners to enhance cultural awareness, the natural environment, health and wellness, and local economies.

Priority 5: Infrastructure Stewardship

Align university resources and infrastructures to support the university's mission and vision.

Adopted by the Board of Trustees, December 6, 2012

The Enduring Philosophy

In its 125 years as an institution of higher learning, Central Michigan University has supported a liberal arts education as the common base for all degree programs. In the words of a founder, "Education in its best and truest sense is a much larger thing than any or even all of the so-called practical uses that may be made of it. Accordingly...the school shall stand squarely and strongly for the larger idea, that education is a rightful heritage of the human soul...Breadth and liberality of scope will always prove the better investment in the long run."

Academic Overview

Undergraduate Degrees

Bachelor of Applied Arts
 Bachelor of Arts
 Bachelor of Fine Arts
 Bachelor of Individualized Studies
 Bachelor of Music
 Bachelor of Music Education
 Bachelor of Science
 Bachelor of Science in Athletic Training
 Bachelor of Science in Business Administration
 Bachelor of Science in Computer Engineering
 Bachelor of Science in Education
 Bachelor of Science in Electrical Engineering
 Bachelor of Science in Engineering Technology
 Bachelor of Science in Mechanical Engineering
 Bachelor of Social Work

Undergraduate Certificates:

African and African Diaspora Studies, American Indian Studies, Creative Writing, Citizenship Engagement, Cultural Competency, Cybersecurity, Deafblind Intervener, East Asian Studies, European Studies, Fermentation Science, Global Governance and Advocacy, Governance of Nations, Human Geography, International Non-Governmental Organization (NGO) Administration, International Security Studies, Latin American and Latino Studies, Lawmaking and Legal Processes, Middle East and Islamic Studies, Political Advocacy and Elections, Public and Social Entrepreneurship, Public Policy Analysis, Technical and Professional Writing, TESOL, and Translation (English and Spanish).

Graduate Degrees

Master of Arts (M.A.)
 Master of Arts in Teaching (M.A.T.)
 Master of Entrepreneurial Transactions (M.E.T.)
 Master of Health Administration (M.H.A.)
 Master of Music (M.M.)
 Master of Public Administration (M.P.A.)
 Master of Public Health (M.P.H.)
 Master of Science (M.S.)
 Master of Science in Administration (M.S.A.)
 Master of Science in Business Administration (M.B.A.)
 Specialist in Education (Ed.S.)
 Specialist in Psychological Services (S.Psy.S)
 Doctor of Audiology (Au.D.)
 Doctor of Educational Leadership (Ed.D.)
 Doctor of Educational Technology (D.E.T.)
 Doctor of Health Administration (D.H.A.)
 Doctor of Medicine (M.D.)
 Doctor of Philosophy (Ph.D.)
 Doctor of Physical Therapy (D.P.T.)

Accelerated Master's Degree Program

The Accelerated Master's Degree Program (AMDP) allows students to reduce the total number of credits required to complete their undergraduate and graduate degrees by applying up to 12 credits (500 and 600 level courses) toward graduation requirements on both degree programs. Not all programs offer the AMDP. If you are admitted to an AMDP, your financial aid may be affected. Contact the Office of Scholarships & Financial Aid for information. The following programs offer AMDP:

Administration (MSA), Apparel Product Development and Merchandising Technology, Applied Statistics and Analytics, Business Administration (MBA): Accounting Concentration, Computer Science, Economics, Engineering, Geographic Information Science, History, Mathematics, Political Science, Psychology, Experimental.

Graduate Certificates

Graduate Certificates are offered in: Acquisitions Administration, Administrative Essentials, Engineering Management, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Philanthropy and Fundraising, Public Administration, Recreation and Park Administration, Research Administration, Enterprise Systems, Logistics Management, Cybersecurity, College Teaching, Nutrition and Dietetics, Educational Technology, Health Systems Leadership, International Health, Cultural Resource Management, European History, Modern History, United States History, Professional Development in Public Administration, Citizen Engagement, Data Mining.

Colleges of the University

College of Business Administration

School of Accounting
 Department of Business Information Systems
 Department of Economics
 Department of Entrepreneurship
 Department of Finance and Law
 Department of Management
 Department of Marketing and Hospitality Services Administration

College of Communication and Fine Arts

Department of Art and Design
 School of Broadcast and Cinematic Arts
 Department of Communication and Dramatic Arts
 Department of Journalism
 School of Music

College of Education and Human Services

Department of Counseling and Special Education
 Department of Educational Leadership
 Department of Human Environmental Studies
 Department of Recreation, Parks, and Leisure Services Administration
 Department of Teacher Education and Professional Development

College of Graduate Studies

The Herbert H. and Grace A. Dow College of Health Professions

Department of Communication Sciences & Disorders
 School of Health Sciences
 School of Rehabilitation and Medical Sciences
 Department of Physical Education and Sport

College of Humanities and Social & Behavioral Sciences

Department of English Languages and Literature
 Department of History
 Department of Military Science
 Department of Philosophy and Religion
 Department of Political Science and Public Administration
 Department of Psychology
 Department of Sociology, Anthropology, and Social Work
 Department of World Languages and Cultures

College of Medicine

College of Science and Engineering

Department of Biology
 Department of Chemistry and Biochemistry
 Department of Computer Science
 Department of Earth and Atmospheric Sciences
 School of Engineering & Technology
 Department of Geography and Environmental Studies
 Department of Mathematics
 Department of Physics

Office for Institutional Diversity & Inclusion

Traci L. Guinn, Interim Associate Vice President

Warriner 319; 989-774-3700;

The Office for Institutional Diversity and Inclusion serves a leading role in promoting an institutional culture that values and supports diversity and inclusion. Historical legacies on inclusion and exclusion have determined pathways to education that have served to be closed to many potential students, staff, and faculty. Diversity and inclusion within the academic and educational setting reflects a community that is reflective of all aspects of society, so that all community members can share in our differences and our similarities a part of our life-long learning process. We prepare our students through leadership development the skills necessary for impacting an increasingly more global society that preserves knowledge from all communities that is inherent to prepare graduates for a more complex and diverse society. Through the following offices and services, the office offers campus-wide programs and activities for students, faculty, and staff to enhance their cultural competence and global perspectives. In addition, Institutional Diversity and Inclusion monitors progress of CMU's academic, social, and cultural diversity programs and initiatives, including the Strategic Plan for Advancing Diversity.

The main campus offices, which report to the Associate Vice President for Institutional Diversity, are located in the Center for Inclusion and Diversity (CID - Bovee University Center 108; 989-774-3711). The CID includes a conference room and a space for exhibits and receptions. Students are encouraged to visit the Center during the week to learn about program offerings and view the exhibits.

For the following departments, go to the website above and click on Diversity Units.

Multicultural Academic Student Services

The Office of Multicultural Academic Student Services (MASS) provides assistance to students with academic, personal, social concerns and cultural support. To empower and retain students, the staff provides and enhances a campus environment where diversity is understood and celebrated. The office coordinates student activities and retention services and serves as a representative voice for CMU's students of color. The office works closely with diverse student groups in planning and implementing academic, social, and recreational activities. Programs and scholarships offered through the office include cultural celebrations, the Multicultural Award of Distinction, Lloyd M. Cofer and Multicultural Advancement scholarships. The office also offers mentoring through the Men About Change program along with the Women's Initiative of Strength and Hope (WISH) program. Additional objectives include establishing strong working relationships with existing university offices and departments on matters regarding educational policies and procedures, developmental program planning and evaluation, and student services relating to minorities. Contact information: Bovee University Center 112; 989-774-3945; e-mail: mass@cmich.edu.

Office of Diversity Education

The Office of Diversity Education (ODE) is here to help expand your view of the world and improve your cultural competence by participating in programs and services offered. You'll learn how to communicate with diverse groups of people and use differing experiences, backgrounds and perspectives to uncover creative solutions to personal and professional challenges. ODE offers opportunities for faculty, staff and students to enhance their cultural competence by providing intercultural education, facilitating campus wide interaction, building collaborative partnerships to advance diversity and inclusion, and implementing educational opportunities that cultivate and sustain a supportive and inclusive campus community. Contact information: Bovee University Center 110B; 989-774-7318; e-mail: ODE@cmich.edu.

Native American Programs

The cultural and social programs offered by the Native American Programs office allows the campus community to come together to learn about Native American people and share in a rich culture and traditions. The office serves several purposes. NAP attracts American Indian students to CMU and helps them achieve their educational goals; builds student leaders through a mentoring program and internship program; serves as a liaison to Michigan's Indian communities to determine their educational needs; and sponsors programs that provide opportunities for everyone to experience Native cultures through activities, organizations and events. Contact Information: Bovee University Center 110C; 989-774-2508; e-mail: NAP@cmich.edu.

The Office of Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Services

The purpose of the Office of Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Services is to coordinate programs, to participate in educational forums to raise awareness of LGBTQ concerns, and to meet the needs of CMU's LGBTQ community. Programs address issues of heterosexism, homophobia, transphobia, coming out and other issues related to the experience of sexual orientation and gender identity/gender expression. The office also keeps a resource file of educational, social, and political articles and brochures of interest to LGBTQ individuals and the university community. Contact information: Bovee University Center 110A; 989-774-3637.

MI GEAR UP Program

MI GEAR UP (Michigan Gaining Early Awareness & Readiness for Undergraduate Programs) is a grant funded program at Central Michigan University designed to significantly increase the number of low-income students who are prepared to enter and succeed in postsecondary education. It is funded by the Michigan Department of Talent and Economic Development, King-Chavez-Parks (KCP) Initiative. The pre-college program facilitates student tutoring, mentoring, and offers workshops on college preparation, and financial aid. It also assists schools and teachers to better prepare middle and high school students for college studies. The MI GEAR UP grant serves over 800 students in four schools. MI GEAR UP coordinates with CMU departments to provide on campus experiences for project students. CMU students gain valuable mentoring, volunteer and hands-on experience working with MI GEAR UP student programs. Contact information: Bovee University Center 108-B; 989-774-1585; e-mail: gearup@cmich.edu.

Pathways to Academic Student Success

Pathways (Pathways to Academic Student Success) is a grant funded program at Central Michigan University designed to increase the retention and graduation rates of first generation and Pell grant eligible students. It is funded by the King-Chavez-Parks Initiative Michigan Department of Talent and Economic Development. The program will serve a cohort of 150 low-income and/or first generation CMU students each year with the goal of achieving increased grade point averages, advancement of academic standing, increased acceptance into majors and increased graduation rates. Pathways coordinates with campus partners to provide academic guidance, leadership development and mentoring. Contact information: Office for Institutional Diversity & Equity, Bovee University Center 108; 989-774-3630.

Upward Bound

The CMU Upward Bound is a federally funded pre-college program through the U.S. Department of Education and is designed to help economically disadvantaged and/or first generation college-bound students complete high school and prepare for college. CMU is the host institution for Upward Bound. The program intent is to encourage youth to complete high school and enter post-secondary education. Resource and assistance is offered in all aspects of the college admissions process, including, but not limited to, financial aid and scholarships completion, college applications and visits, as well as academic support workshops. It is here that students are offered free tutoring in all subjects. Weekly programs that highlight education, career, and social awareness are provided to open the eyes, hearts, and minds of the students. The Upward Bound motto is "Where Preparation Meets Opportunity!" We strive to give each student opportunities to allow them to be prepared for every opportunity and assist them in their ambitions toward a college education. Contact information: 313-215-0738.

Student Transition Enrichment Program (STEP)

The Student Transition Enrichment Program (STEP), a MiCUP (Michigan College University Partnership) grant funded by the King-Chavez-Parks Initiative Workforce Development Agency, provides support services for first-generation and/or Pell Grant-eligible students who transfer into Central Michigan University. Programs and events include: Academic Advising, Summer Conference, CMU Campus Visits, and Academic Workshops. The goal of STEP is to promote knowledge of the transfer process, academic programs and resources at CMU; build relationships; and develop academic, self-confidence, and career planning skills. Contact information: Bovee University Center 110C; 989-774-2508; e-mail: micup-step@cmich.edu.

For more information

To see more information on any of these programs, see cmich.edu/office_provost/OID

Offices

Central Michigan University
802 Industrial Drive
Mount Pleasant, Michigan 48858
989-774-3865 or 800-950-1144

Or visit the website at
<http://global.cmich.edu/>

For more information, please contact the Program Center nearest you, or write or call the Mount Pleasant office.

Student Services

Civil Rights & Institutional Equity

CMU is an affirmative action/equal employment (AA/EQ) institution, providing equal opportunity to all persons, including minorities, females, veterans and individuals with disabilities. CMU strongly and actively strives to increase diversity and provide equal opportunity within its community. CMU encourages diversity and provides equal opportunity in education, employment, all of its programs, and the use of its facilities. CMU is committed to protecting the constitutional and statutory civil rights of persons connected with the university.

The Office of Civil Rights and Institutional Equity coordinates and monitors CMU's AA/EQ efforts and programs to assure compliance with federal and state laws and statutes, including but not limited to the Americans with Disabilities Act, Titles VI and VII of the 1964 Civil Rights Act, Title IX of the Education Amendments of 1972, Executive Order 11246, Section 504 of the Rehabilitation Act of 1973, the Violence Against Women Reauthorization Act of 2013, the Elliott-Larson Civil Rights Act. The Office of Civil Rights and Institutional Equity also supervises the maintenance of related reports and records, provides and develops related educational programs and materials, offers guidance and advice to all community members on the University's nondiscrimination and affirmative action policies and procedures, and assists departments with recruitment and retention activities. For more information, contact the Office of Civil Rights and Institutional Equity, Bovee UC 306, Central Michigan University, Mt. Pleasant, MI 48859, 989-774-3253, (fax: 989-774-2022); https://www.cmich.edu/office_president/OCRIE/Pages/default.aspx.

Nondiscrimination Policy

CMU's Nondiscrimination Policy and Equal Opportunity and Affirmative Action Protocol prohibit unlawful acts of discrimination or harassment on the basis of age, color, disability, ethnicity, gender, gender expression, gender identity, genetic information, height, marital status, national origin, political persuasion, pregnancy, childbirth, or related medical conditions, race, religion, sex, sex-based stereotypes, sexual orientation, transgender status, veteran status, or weight by members of the university community. Prohibited acts of discrimination or harassment include discrimination or harassment in employment, education, housing, public accommodations, public services, and telecommunications. In addition, retaliation for the participation in a protected activity is also expressly prohibited under CMU's policies.

The Office of Civil Rights and Institutional Equity receives and resolves complaints of discrimination and harassment from students, employees, and others. To file a complaint of harassment or discrimination, contact the Office of Civil Rights and Institutional Equity.

To view the Board of Trustees Nondiscrimination Policy, see https://www.cmich.edu/office_president/general_counsel/Documents/p03006.pdf. To view CMU's Equal Opportunity and Affirmative Action Protocol, see https://www.cmich.edu/office_president/general_counsel/Documents/p03006.pdf.

Sexual Misconduct Policy

CMU's Sexual Misconduct Policy prohibits sexual misconduct, including dating violence, domestic violence/intimate partner violence, sexual assault, sexual exploitation, sexual harassment, stalking, and retaliation by members of the university community. CMU employees, except those named as a confidential resource in the Sexual Misconduct policy, are responsible employees who are required, under CMU's policies, to report any information they know about possible sexual misconduct to the CMU Title IX Coordinator. Individuals who do not want their concerns reported to the Title IX Coordinator may contact the confidential resources identified in the Sexual Misconduct policy, such as the CMU's Counseling Center or CMU's Sexual Aggression Services.

The Executive Director of the Office of Civil Rights and Institutional Equity is the Title IX Coordinator for CMU. To file a complaint of sexual misconduct or to learn more information about the policy, contact the Executive Director of the Office of Civil Rights and Institutional Equity, who is the Title IX Coordinator for CMU, at Bovee UC 306, Central Michigan University, Mt. Pleasant, MI 48859, 989-774-3253 (fax: 989-774-2022); https://www.cmich.edu/office_president/OCRIE/Pages/Contact_Information.aspx.

To view CMU's Sexual Misconduct Policy, https://www.cmich.edu/office_president/general_counsel/Documents/p03039.pdf

Training

The University's Title IX Coordinator and the University personnel who are charged with responding to incidents of sexual misconduct on behalf of the University receive mandatory annual training regarding responding to incidents of sexual misconduct.

Members of the Central Michigan University Police Department's Special Victim's Investigative Cadre also receive mandatory annual and ongoing training.

Further, as part of our commitment to a safe and welcoming environment, CMU provides both in person or online Anti-Harassment and Discrimination Training and Title IX training through LawRoom to its employees, including faculty and staff.

CMU also provides both in person and online training to its students through Campus Clarity. The training introduces students to a University-wide conversation on important issues relating to sexual misconduct, such as healthy relationships, substance abuse, and sexual aggression. The online training is mandatory for all on-Campus incoming first-year and transfer students.

Office of Student Conduct

The Office of Student Conduct upholds the *Code of Student Rights, Responsibilities and Disciplinary Procedures* (the Code). The Office of Student Conduct is committed to ensuring students due process through a fair and just educational experience. You may contact the Office of Student Conduct to ask questions, file a disciplinary report, or to make an appointment with a Conduct Proceedings Officer. Contact the office via telephone at 989-774-1345 or via e-mail: StudentConduct@cmich.edu.

University Policy for Student Conduct

The university's philosophy of a student's relationship to CMU is expressed in the *Code of Student Rights, Responsibilities, and Disciplinary Procedures* (see Appendix I).

Sexual Aggression Services

The Sexual Aggression Services Director, through the Office of Student Affairs, coordinates services and educational programs on campus relating to sexual assault, stalking, and dating violence. The university encourages a proactive approach to this problem through educational programs and counseling to both men and women. Concerns and reports of sexual aggression should be made to the Office of Student Conduct, the CMU Police Department, the Office of Civil Rights and Institutional Equity Title IX Coordinator, a counselor in the Counseling Center, or SAPA (Sexual Aggression Peer Advocates). For more information, see <https://www.cmich.edu/ess/studentaffairs/SAPA/Pages/default.aspx>.

Student Ombuds Office

The Student Ombuds Office assists in resolving conflicts or disputes within the University and helps students, staff members, instructors, and administrators sort through university rules and regulations that might apply to specific student issues and concerns. In addition, CMU's Ombudspersons identify policies that might need revision, referring them to the appropriate committee for review.

(continued)

All matters presented to the Student Ombuds Office are handled in a neutral, confidential, informal, and independent manner. CMU Ombudspersons are not advocates for any individual or group; they are advocates for fairness. Talking to an Ombudsperson does not constitute filing a formal complaint or notice since the purpose of the Student Ombuds Office is to provide a confidential forum to support review and consideration of options.

Following a request for assistance, an Ombudsperson will take one or more of the following actions after listening carefully to the concern: 1) explain relevant student rights and responsibilities; 2) review relevant university policies or regulations; 3) suggest fair and equitable options; 4) identify and provide referral to appropriate university resources; or, 5) investigate, when necessary.

An Ombudsperson will also assist students who want to file formal complaints and grievances, which is often the final step in a student's effort to resolve a dispute. There are systems in place at CMU to receive and hear a student's formal grievance. Which system is used depends on the nature and location of the grievance. Although it is not required, a consultation with an Ombudsperson is strongly recommended before submitting a formal complaint or grievance.

The Student Ombuds Office does not provide legal services, represent students or instructors at academic grievance or disciplinary hearings, mediate disputes between students, faculty, staff and external agencies, or mediate disputes between or among faculty or between faculty and administrators.

Members of the CMU community may contact the Student Ombuds Office by e-mail (ombuds@cmich.edu), by phone (989-774-3010), or online at <https://www.cmich.edu/ess/ombuds/Pages/contact.aspx>.

Student Disability Services

Central Michigan University is committed to providing equal opportunity for success to students with disabilities. The Office of Student Disability Services offers various supports for students with disabilities to assist them in their effort to learn and grow from their college experience. They are encouraged to register with Student Disability Services as soon as possible to allow time for processing of accommodations.

For more information about services, contact Student Disability Services, 120 Park Library, 989-774-3018; <https://www.cmich.edu/ess/studentaffairs/SDS/Pages/default.aspx>.

Library Services

Students enrolled in CMU's Global Campus programs have full access to the CMU Libraries' services and resources, whether enrolled at an off campus center or through an online class. The staff of the library is dedicated to linking students with the information they need to be successful in their classes. Librarians will help by teaching students how to use the library's electronic and print resources, by helping to identify appropriate databases, journals, and other resources, and by answering any other research and information-related questions. Research help can be requested by chat, email, or telephone.

The library's Documents on Demand office will deliver electronic copies of journal articles and book chapters, as well as copies of print books, to students upon request. There is no charge for this service, and electronic requests are typically filled within 24 hours.

For more information please visit the CMU Libraries' website.

Office of Information Technology

Central Michigan University has a wide variety of technology resources and technology support available for students, faculty, and staff. The Office of Information Technology (OIT) is responsible for providing the CMU community with a diverse and technically rich learning and research environment. CMU and OIT support innovative learning and teaching and maintain a planned investment strategy to keep CMU technology resources at their highest level possible and available to students and faculty. In addition, CMU is working to fully enable mobile computing for its students and faculty with efforts focused on these areas:

- CMU students receive 1 TB of cloud-based storage through CMU's partnership with Microsoft.
- CMU is employing a number of strategies to deliver required software to its students and faculty.
- CMU services are designed for delivery to a variety of mobile devices
- CMU provides cross-platform text chat and automated remote support tools that allow students to access technical support directly from their personal computers.
- CMU provides cost-effective student purchase plans for laptop computers and other mobile devices

E-mail Services for Students: Upon acceptance to CMU, students are assigned a CMU e-mail address. This e-mail address is the official address to which course-related correspondence and billing notices are sent. It is very important that students check their CMU e-mail address regularly, and they will be held responsible for mailings issued to that address. CMU e-mail can be accessed at <https://office365.cmich.edu>.

CentralLink: Central Michigan University offers a web portal located at: <https://www.cmich.edu/centrallink>. CentralLink is designed with CMU students, faculty and staff in mind, and provides the CMU community comprehensive information in a number of different areas, such as activities, academics, employment, available services and access to a variety of individual records.

OIT Help Desk: The Office of Information Technology Help Desk is housed in the first floor of Park Library, and is the first point of contact for all technology related questions. The OIT Help Desk assists students, faculty, and staff with university-sponsored technology services, general computing questions, and computer repairs. Contact the Help Desk at 989-774-3662, by email at helpdesk@cmich.edu, or visit <http://it.cmich.edu> and click the remote chat button.

Emergency Notification System: CMU has implemented measures to enhance communication in the event of an emergency. Students, faculty, and staff can register to receive phone calls, text messages, or alternative email address alerts through CMU's Central Alert system. Registration for this system is accessed by going to <https://www.cmich.edu/centrallink> and accessing My Account and going to "My Profile."

Cellular Phone Services: OIT offers Verizon, AT&T, and Sprint cellular phone service and equipment through the Telecom Service Center. Competitive rates are available to all students, faculty, and staff. For information, contact the Telecom Service Center at 989-774-3087, or visit or visit <http://connect.cmich.edu>.

Computer Purchases: CMU offers discounted and highly competitive purchasing opportunities with several major computer manufacturers. These opportunities are available to all CMU students, faculty, and staff. Find out more by visiting <http://purchasing.cmich.edu> and choose "purchasing" from the menu on the right.

Office Software: Through CMU's partnership with Microsoft, CMU students are eligible to download and use the latest version of Microsoft Office at no cost for as long as they are current students. This software can be downloaded by visiting <https://office365.cmich.edu> and choosing Office 365 in the Settings menu.

Acceptable Use Policies: All users who operate or use any of the computing systems and networks of the university must abide by the Responsible Use of Computing policy. The Responsible Use of Computing policy and other OIT policies are published on the OIT web site (visit <http://it.cmich.edu>). The policies are intended to supplement other existing university and external policies, regulations and laws.

For more information, call the OIT Help Desk at 989-774-3662 or visit <http://it.cmich.edu>.

Counseling Center

The Counseling Center provides individual counseling, support groups, consultation, and referral assistance for CMU students at its office on the Mt. Pleasant Campus. For more information about services, contact the Counseling Center, 102 Foust, 989-774-3381, [www.counsel.cmich.edu](http://counsel.cmich.edu).

Outreach

University Advancement

Robert K. Martin, Vice President

Carlin Alumni House; 989-774-7161

Advancement

Advancement serves as the administrative home of the CMU Alumni Association, Development, Planned Giving, Annual Giving, Research and Corporate Relations. This team generates private gift revenues from individuals, corporations and foundations in order to have a positive impact on student success. In pursuit of its mission, Advancement provides leadership to complement, encourage, and support university wide efforts to acquire transformational investments in students, faculty and facilities. Advancement seeks to ensure the continuity of the fundraising effort and to achieve a continual and substantial growth in gift revenues throughout the university. For assistance or additional information, contact the Vice President of Advancement at 989-774-7161.

Alumni Relations

The office of Alumni Relations enhances the lifelong relationship between the university and its graduates. Alumni are encouraged to return to campus and participate in traditional campus activities such as Homecoming and Alumni Reunion Weekend. Additionally, CMU alumni can get involved in local or regional alumni chapters, clubs and networks. Alumni are presented with ample opportunities to participate in a variety of fun events such as pro sports games, musicals, plays, golf outings and more to strengthen their connection to CMU.

The Alumni Office helps foster a sense of spirit and pride in Central Michigan University students through the *Future Alumni Association*. The association was established to create opportunities for both alumni and students to build relationships and assist with the growth and development of CMU.

The Alumni Relations Office also publishes *Centralight*, the alumni magazine, three times yearly and online as a source of campus and alumni news to communicate with graduates of CMU.

CMU encourages alumni to enjoy an ongoing relationship with the university and to remain active with their alma mater. In recognition of this lifelong relationship, Central Michigan University has dedicated the Carlin Alumni House on campus to welcome over 220,000 graduates. For further information, please contact the Executive Director of Alumni Relations, located in the Carlin Alumni House at telephone 989-774-3312 or toll free 800-358-6903.

Government and External Relations

Kathleen M. Wilbur, Vice President

Warriner 208; 989-774-3871

Governmental Relations

The Government Relations office works closely with state, federal and local officials on funding and policy issues that impact the CMU community. The office also works closely with students, faculty and administrators, in planning and developing CMU's response to proposed legislation, agency policies and developing relationships with key policy makers. The office also facilitates meetings with policy makers and handles inquiries from legislators regarding CMU's academic and research activities on campus. For additional information please contact the Governmental Relations Office at 989-774-3871.

Public Broadcasting

Central Michigan University operates the largest university-owned public broadcasting network in the United States. With five television and eight radio stations, CMU Public Broadcasting is one of the university's primary public service initiatives.

Television. Central Michigan University owns and operates public television stations WCMU-TV, channel 26, Mt. Pleasant; WCML-TV, channel 24, Alpena; WCMW-TV, channel 21, Manistee/Ludington; and WCMV-TV, channel 17, Cadillac, and WCMZ-TV, channel 28, Flint.

CMU Public Television broadcasts 24 hours per day, the year around, servicing a potential audience of over 5 million people. The stations are also on cable systems throughout the state.

Radio. CMU Public Radio operates eight transmitters serving central and northern Michigan, and portions of Ontario, Canada. These include: WCMU-FM (89.5 MHz) from Mt. Pleasant; WCML-FM (91.7 MHz) from Alpena; WCMB-FM (95.7 MHz) from Oscoda; WWCM (96.9MHz) from Standish; WUCX-FM (90.1 MHz) from Bay City; WCMZ-FM (98.3 MHz) from Sault Ste. Marie; W236BU (95.1 MHz) from Traverse City; and WCMW-FM (103.9 MHz) from Harbor Springs.

The stations broadcast 24 hours a day, 365 days a year, providing programming of an informational and cultural nature. The broadcast schedule includes NPR news, and classical music, traditional music, jazz, opera, and radio drama.

CMU Public Television and Radio are staffed by professional personnel, as well as by students seeking a practical background in broadcasting. The network is affiliated with the Public Broadcasting Service and National Public Radio. CMU Public Broadcasting is located in the Public Broadcasting Center on the corner of Mission and Broomfield.

University Communications

Sherry Knight, Associate Vice President

West Hall; 989-774-3197

University Communications (UComm) promotes CMU to audiences throughout the state, region and world.

Three units in UComm provide strategic communications services for the entire university, including on campus, online and satellite centers nationwide:

- The communications team leads the university's external and internal communications, including news releases, photos and videos, electronic news digests, and official CMU social media channels.
- The integrated marketing team combines strategy and analysis to advance CMU's brand and reputation through channels such as student recruitment materials, advertising, digital marketing and the CMU websites.

The design team produces and provides consultation on visually compelling products such as university publications, college and alumni magazines, graphics, admissions materials, and CMU signage.

Program Information

A major goal of Central Michigan University is to provide academic programs for students whose career or personal circumstances limit their access to traditional forms of higher education. In keeping with this goal, the mission of Global Campus is to deliver high quality, fiscally sound, responsive-to-market programs to adult learners. CMU's Global Campus, established in 1971, is committed to the university's recognition of education as a lifelong process that extends beyond traditional academic learning. Global Campus aims to provide opportunities for adult students to achieve their individual educational goals for personal growth and career development.

Global Campus will implement university policies and make operational goals as follows:

- Each course or degree program offered will meet the same rigorous academic standards as comparable courses and degrees offered on CMU's main campus.
- Undergraduate and graduate courses and degree programs will be structured and offered at times and places most suitable to the clientele served.
- Only those courses and/or degree programs will be offered which meet a documented need and are academically sound.
- Student selection and course design and delivery will enhance Global Campus as the premier extended degree program in the United States.
- Courses and degree programs will be offered at a competitive and fiscally responsible cost to the clientele.
- The provision of administrative and academic services to students will reflect a level of excellence concomitant with overall program goals.
- The environment will be continually monitored to identify changes which require new approaches to meet clients' needs.
- All courses and degree programs will be monitored closely to ensure the high quality of the product provided to the client groups.
- New approaches/processes will be developed and evaluated to provide educational opportunities to our target populations.

- Adopted by the Academic Council 6-27-87

Authorization

Central Michigan University complies with authorization requirements in the states/provinces in which it offers classes. Some states require that specific statements regarding an institution's status within the state be made available to students. The following statements are included here to fulfill the requirements of these states/provinces.

Georgia: Central Michigan University is authorized by the *Non-public Postsecondary Education Commission* to deliver the following degrees at Atlanta Metro: Graduate Certificates in Administrative Essentials, College Teaching, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Project Management, Public Administration, Research Administration, and Training and Development; Master of Arts in Education with concentrations in Curriculum and Instruction, Guidance and Development, Integrated Science, and Training and Development; Master of Arts in Educational Leadership; Master of Arts in Educational Technology; Master of Arts in Humanities; Master of Arts in Reading and Literacy; Master of Arts in Sport Administration; Master of Arts in Teacher Leadership; Master of Business Administration with concentration in ERP Using SAP Software; Master of Health Administration, Master of Public Administration; Master of Science in Administration with concentrations in General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Project Management, Public Administration, Research Administration, and Training and Development; and Specialist in Education with concentrations in Administrative Leadership K-12 and Instructional Leadership K-12.

CMU is authorized to deliver the following programs through hybrid modality at Atlanta Metro: Graduate Certificates in Administrative Essentials, General Administration, Health Services Administration, Human Resources Administration, Leadership, Public Administration, Research Administration, and Training and Development; Master of Arts degree in Education with concentrations in Curriculum and Instruction and Training and Development; Master of Arts in Educational Leadership; Master of Arts in Educational Technology; Master of Arts in Reading and Literacy K-12; Master of Health Administration; Master of Science in Administration with concentrations in General Administration, Health Services Administration; Human Resources Administration, Leadership, Public Administration, Research Administration, and Training and Development; and Doctor of Health Administration.

Additionally, CMU is authorized to deliver the following programs to Georgia residents through Online distance delivery: The Bachelor of Applied Arts, Major in Administration with concentration in Organizational Administration; Bachelor of Science, Major in Administration with concentrations in Building Code Administration and Organizational Administration; Bachelor of Science, Option in Community Development; Bachelor of Science, Major in Integrated Leadership Studies; Bachelor of Science, Major in Political Science; Bachelor of Science, Major in Psychology; Undergraduate Certificate in Cybersecurity, Professional and Technical Writing, and Social Media; Graduate Certificates in Administrative Essentials, College Teaching, Cybersecurity, ERP Using SAP Software, International Health, and Logistics Management; Master of Arts in Education with concentrations

in Curriculum and Instruction and Training and Development; Master of Arts in Educational Leadership; Master of Arts in Educational Technology; Master of Arts in Special Education; Master of Arts in Teacher Leadership; Master of Business Administration with concentrations in ERP Using SAP Software, Human Resource Management, Logistics Management, Marketing, and Value Driven Organization; Master of Health Administration; Master of Science in Nutrition and Dietetics; Master of Science in Administration and Graduate Certificates with concentrations in Engineering Management, General Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Philanthropy and Fundraising, Public Administration, Recreation & Park Administration, Research Administration, and Training and Development; Doctor of Educational Technology (DET); Doctor of Education (EdD) in Educational Leadership; and Doctor of Health Administration (DHA). In the State of Georgia, student grievances not resolved at the university level can be addressed to the Georgia Nonpublic Postsecondary Education Commission, 2082 East Exchange Place, Suite 220, Tucker, Georgia 30084, via phone at (770) 414-3300, or via website at: <http://gnpec.org/consumer-resources/gnpec-authorized-school-complainant-form/>

Georgia students will be allowed a refund of the withdrawal fee. Additionally, Georgia students will be provided refunds based on tuition paid for segments of instructional program as described by the institution in the enrollment agreement, i.e., quarter, semester, module, or term, in case more than twelve (12) months; if the institution's refund policy is more favorable, the student will be refunded the greater amount; refunds will be made in full to the student within forty-five (45) days of the date of withdrawal; refunds are determined based on the proration of tuition and percentage of program completed at withdrawal, up to 50% of the program; if student withdraws after completing 50% of the program, no tuition refund is required; this policy only applies to full withdrawals and it is up to the institution to determine policies for refunds for partial (course) withdrawals. Please contact Financial Operations at 800-664-2681, option 4, for details.

Hawaii: Central Michigan University is currently authorized by the Department of Commerce and Consumer Affairs, Hawaii Post-Secondary Education Authorization Program (HPEAP). Authorization is renewed by HPEAP every two years pursuant to Hawaii Revised Statutes §305J-12(a) and §305J-14. In the state of Hawaii, student complaints not resolved at the university level can be addressed to Hawaii Post-Secondary Education Authorization Program, 335 Merchant Street, Room 310, P.O. Box 541, Honolulu, HI 96809, (808) 586-2850. Website: <http://cca.hawaii.gov/hpeap/student-complaint-process/>.

Louisiana: Central Michigan University is currently licensed by the Board of Regents of the State of Louisiana. Licenses are renewed by the State Board of Regents every two years. Licensed institutions have met minimal operational standards set forth by the state, but licensure does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization.

Maryland: Central Michigan University is authorized by the Maryland Higher Education Commission to deliver programs at: Aberdeen Proving Ground, to offer the Master of Science in Administration and Graduate Certificates with concentrations in General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, and Public Administration; Fort Meade, to offer the Master of Science in Administration and Graduate Certificates with concentrations in General Administration, Information Resource Management, and Public Administration; and Joint Base Andrews, to offer the Master of Science in Administration and Graduate Certificates with concentrations in General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, and Public Administration. The following fully online programs are registered with the Maryland Education Commission:

Bachelor of Applied Arts, Major in Administration with concentration in Building Code Administration and Organization Administration; Bachelor of Science, Major in Administration with concentrations in Building Code Administration and Organization Administration; Bachelor of Science, Option in Community Development with concentrations in Community Services, Health Sciences, and Public Administration; Bachelor of Science, Major in Integrated Leadership Studies; Bachelor of Science, Major in Political Science; Bachelor of Science, Major in Psychology; Graduate Certificates: Administrative Essentials, ERP Using SAP Software, General Administration, Human Resources Administration, Information Resource Management, International Administration, International Health, Leadership, Logistics Management, and Research Administration; Master of Arts in Educational Technology; Master of Business Administration with concentration in ERP Using SAP Software, Logistics Management, and Value Driven Organization (VDO); Master of Science in Nutrition and Dietetics; Master of Science in Administration with concentrations in General Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, and Research Administration, and the Doctor of Health Administration.; and three programs with experiential learning components: The Master of Arts in Education, Master of Arts in School Principalship, and Master of Arts in Teacher Leadership.

CMU complies with the provisions for online education established by the Education Article, 11-202.2, Annotated Code of Maryland and COMAR 13B.05.01.10 of the Code of Maryland Regulations Refund Policy, see table below:

Proportion of Total Course, Program or Term Completed as of Date of Withdrawal or Termination	Total Refund
Less than 10%	90% refund
10% up to but not including 20%	80% refund
20% up to but not including 30%	60% refund
30% up to but not including 40%	40% refund
40% up to and including 60%	20% refund
More than 60%	No refund

North Carolina: Central Michigan University is licensed by the Board of Governors of the University of North Carolina to offer the following programs at Seymour Johnson Air Force Base, NC: the Master of Science in Administration and Graduate Certificates with concentrations in General Administration, Human Resources Administration, Leadership, and Public Administration.

Central Michigan University maintains a tuition guaranty bond as required by the Rules and Standards established by the Board of Governors of University of North Carolina for non-public institutions conducting post-secondary degree activity in North Carolina. Students may obtain a copy of the tuition guaranty bond by submitting a request via letter to CMU, Coordinator, Licensure & Regulatory Services, 802 Industrial Drive, Mount Pleasant, MI 48858. CMU does not provide health care services at locations within North Carolina. Students will be provided with contact information regarding locally available health care facilities; however, students are responsible for securing their own health care services. For NC residents who enroll in courses delivered electronically through CMU Online in Mount Pleasant, MI, students are provided information regarding faculty/student interaction, prerequisite technology competencies and skills, technical equipment requirements, and availability of academic support either online at <http://global.cmich.edu/services/advising/> or upon registration for each course delivered electronically. Students grievances that are not resolved on the local level or regional level can be forwarded to the Student Ombuds, Enrollment and Student Services, Ronan Hall 220, Mount Pleasant, MI 48859, 989-774-3010, or via the at: https://www.cmich.edu/ess/ombuds/Pages/report_concern.aspx.

(continued)

16 Programs

In the state of North Carolina, student grievances not resolved at the university level can be addressed to Board of Governors of the University of North Carolina, General Administration, 910 Raleigh Road, Chapel Hill, NC 27515-2688, 919-962-4558.

Ohio: Central Michigan University is licensed by the Ohio Department of Higher Education to deliver programs at Columbus: Undergraduate Certificate in Cybersecurity; Graduate Certificates in Acquisitions Administration, Cybersecurity, Engineering Management, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Philanthropy and Fundraising, Project Management Public Administration, Recreation & Park Administration, Research Administration, and Training and Development; and the Master of Science in Administration with concentrations in Acquisitions Administration, Engineering Management, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Philanthropy and Fundraising, Project Management, Public Administration, Recreation & Park Administration, Research Administration, and Training and Development. Program Approvals at Wright Patterson Air Force Base include: the Master of Science in Administration and Graduate Certificates with concentrations in Acquisitions Administration, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, Leadership, and Public Administration.

Pennsylvania: Central Michigan University Defense Supply Center-Philadelphia is authorized by the Commonwealth of Pennsylvania Department of Education and is a closed cohort, offered at the invitation of the Defense Supply Center Philadelphia to its employees only.

Virginia: Central Michigan University is certified to operate in Virginia by the State Council of Higher Education to deliver degree programs at: Defense Supply Center Richmond/Defense Logistics Agency to offer the Master of Science in Administration with concentration in Acquisitions Administration to their employees; Embassy-Suites-Pentagon to offer the Master of Science in Administration and Graduate Certificates with concentrations in Acquisitions Administration, General Administration, Human Resources Administration, Leadership, and Public Administration; Fort Belvoir to offer the Master of Public Administration with concentrations in General, Public Management, and State and Local Government; and the Master of Science in Administration and Graduate Certificates with concentrations in General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, and Leadership; Fort Lee to offer Master of Public Administration with concentrations in Public Management and State and Local Government and the Master of Science in Administration and Graduate Certificates with concentrations in Acquisitions Administration (MSA Only), General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, and Public Administration; Joint Base Myer-Henderson Hall to offer the Master of Science in Administration and Graduate Certificates with concentrations in Acquisitions Administration, General Administration, Human Resources Administration, Information Resource Management, Leadership, and Public Administration; and Pentagon to offer the Master of Science in Administration and Graduate Certificates with concentrations in Acquisitions Administration, General Administration, Human Resources Administration, Information Resource Management, Leadership, and Public Administration.

Student grievances can be forwarded to the Student Ombuds, Enrollment and Student Services, Ronan Hall 220, Mount Pleasant, MI 48859, 989-774-3010, or via the at: https://www.cmich.edu/ess_ombuds/Pages/report_concern.aspx.

In the state of Virginia, student grievances not resolved at the university level can be addressed to Commonwealth of Virginia, State Council of Higher Education for Virginia, James Monroe Building, 101 North Fourteenth Street, Richmond, VA 23219, 804-225-2600. Website at www.schev.edu.

The University prohibits retaliation against any student for filing a grievance under this process or against any other individual participating in the investigation of the grievance. Anyone committing retaliation may be subject to disciplinary action up to and including termination or sanctions in accordance with applicable student conduct and academic integrity policies.

In compliance with the State Council of Higher Education for Virginia, Title of Regulations: 8VAC 40-31-160(N)9, for students attending classes in Virginia, "A student who withdraws or is terminated during the third quartile (more than 50% but less than 75%) of the program shall be entitled to a minimum refund amounting to 25% of the cost of the program".

In compliance with the State Council of Higher Education for Virginia, Title of Regulations: 8VAC 40-31-160(N)10, for Virginia students participating in distance education (online) courses, "A student who starts the program but withdraws after completing up to the third quartile (more than 50% but less than 75%) of the program is entitled to receive as a refund a minimum of 25% of the stated cost of the course or program for the period".

Ontario: "This program is offered under the written consent of the Ministry of Advanced Education and Skills Development granted for a five year term commencing on November 24, 2015. Prospective students are responsible for satisfying themselves that the program and the degree will be appropriate for their needs (e.g. acceptable to potential employers, professional licensing bodies or other educational institutions.)"

Central Michigan University and its off-campus locations are accredited by the Higher Learning Commission. Students will generally find that CMU credits are transferable to any institution that accepts credits from regionally accredited institutions, provided that the credits requested for transfer are relevant to the program the students plan to pursue. Students should contact any institution to which they may want to transfer credit to determine transferability.

For Academic Programs Leading to Professional Licensure

Important Message for Prospective Students: It is highly recommended that students contact the appropriate licensing agency in their state of residence if they are considering an academic program that leads to a professional license. CMU offers state-by-state information at <https://www.cmich.edu/global/compliance/Pages/professionalLicensure.aspx> with web links to the appropriate licensing agencies. It is the responsibility of students to contact the appropriate licensing agency and to understand the requirements in their state of residence as applied to their specific situation.

Program Initiation and Administration

Programs offered by CMU outside the state of Michigan are initiated at the request of a corporation, an association, governmental agency or another organization, which serves as a sponsor of the program.

When planning a program, Global Campus typically identifies student needs and determines needed courses, course formats, and advising schedules. The program format is determined by the number of interested students, the availability of faculty, the availability of instructional facilities, and, where pertinent, organizational work patterns. Arrangements are then made for instructors and for space and support resources.

Global Campus is administered by a Vice President/Executive Director. There are six major divisions within Global Campus: Academic and Professional Programs; Financial Planning and Operations; Information Technology; Licensure, Regulatory Services and Human Capital; Marketing, Recruiting and Outreach; and Student Services and Enrollment Management.

Facilities and Equipment. At most out-of-state locations, office space, equipment and classroom space are provided on site through the cooperation of the program sponsor. Size and scope of facilities vary with the size of the program.

Program Offerings/Program Operations

Global Campus delivers CMU's undergraduate and graduate degrees in Michigan, and degree and certificate programs in other states, Canada and Mexico. Some degree programs are available through CMU Online. Undergraduate degrees lead to a bachelor of science degree with an option in community development; a bachelor of science degree with a major in administration, information technology, integrated leadership studies, or psychology general; a bachelor of applied arts degree with a major in administration; or a bachelor of science in education degree with provisional elementary certification. Students may use a combination of transfer credit, prior learning credit, online courses, and on-site classes available at program locations to complete their baccalaureate degrees.

At the graduate level, studies lead to a master of arts degree in counseling, education, educational technology, humanities, reading and literacy K-12, school principalship, or sport administration; a master of business administration, a master of public administration; a master of science in administration; a specialist in education; a doctor of audiology degree, a doctor of education, or a doctor of health administration. In addition, graduate certificates are offered in acquisitions administration, college teaching, ERP using SAP software, general administration, health services administration, human resources administration, information resource management, international administration, international health, leadership, long-term care administration, public administration, research administration, and vehicle design and manufacturing administration.

At some locations, the cohort or group format is used to deliver programs. In a cohort format, students proceed through the program as a unit, beginning and ending coursework together. Many cohorts are sponsored by a particular organization or group of organizations, which may select the students or may allow participants to be self-selected. Cohorts are typically offered on site at a location chosen by the sponsor. Some CMU program centers offer the cohort format on a recurring basis to individual students, whenever a sufficient number sign up to pursue the degree or certificate as a group.

Mini-cohorts are sometimes formed to provide a concentration to a group of students at a CMU center where demand is not sufficient to warrant offering the concentration on an ongoing basis. In a mini-cohort, a group of individual students agrees to enroll in and complete the concentration courses as a unit. Students can intersperse core courses with the cohort concentration courses when possible and/or finish their degree by taking core courses on an individual basis after their concentration courses are complete.

In addition to the doctoral degrees, master's degrees, undergraduate degrees, and certificates available through Global Campus, credit-bearing in-service opportunities as well as classes designed to help professionals meet certification requirements, primarily in the education field, are also provided. Courses are offered throughout Michigan in elementary education, secondary education, counselor education and educational administration and community leadership. These courses are designated as credit courses, and are delivered with the permission of the department (i.e., elementary and secondary education courses are coordinated with the Teacher Education and Professional Development Department).

Programs and course formats in the degree, certificate, and credit course areas are designed to meet the needs of adult students with compressed formats, night and weekend classes, and a nationally recognized Global Campus library program. Academic advisors work closely with students to develop their individual program plans and reach their educational goals.

Central Michigan University will do everything within reason to help students meet their educational goals in the unforeseen event of a program closing or of a military location becoming permanently closed to civilian students. CMU is committed to helping students finish their educational programs should either of the above situations arise.

Admission

Students planning to enroll through Global Campus must apply to and be admitted to the university. Applications should be initiated as early as possible prior to the beginning of the registration period for the first class in which the student intends to enroll. Application forms may be obtained from any program center or can be completed online at <https://apply.cmich.edu/>. Completed forms can be submitted online, given to the program center office, or sent to Global Campus. Consult the relevant section below on "Application for Admission to Undergraduate Study" or "Application for Admission to Graduate Study" for additional information on the application process. The final decision on admission is made on campus after the application and all supporting materials have been received and evaluated.

Central Michigan University graduate and undergraduate students admitted to a main campus program may transfer to programs offered through Global Campus centers if the student meets departmental admission requirements. Conversely, students admitted through Global Campus may transfer to any program listed in the current Central Michigan University *Bulletin*, if the student meets department admission requirements, is accepted by the department, and is able to attend classes on the main campus. Because the MSA is not a business degree, students who contemplate transfer from Global Campus to the main campus MBA program are advised that their MSA courses will not transfer to the MBA program.

English Language Services: English language services are not offered at Central Michigan University Global Campus locations.

Admission Policies:

1. **All materials submitted in support of an application become the property of Central Michigan University.** Materials are not returnable, refundable, forwarded, copied, released to third parties or returned to the applicant. Applicants should make copies prior to submitting original documents or contact their Admission Specialist prior to submitting original copies to see if arrangements can be made to have documents returned.
2. **No Show.** Upon admission, students have one year from their admitted term to enroll in courses. A student who does not register within one year will be considered a "no show" and required to reapply and pay the current application fee.
3. **Inactive.** Upon enrolling, students will be considered inactive if they do not register for a course within three years from their last course. Once marked inactive a student must submit a new application and updated materials. The application fee is not required for returning students who previously paid the application fee.
4. **Completion times.**
 - a. Undergraduates are assigned a Bulletin year at the time of admission and students must meet the degree requirements for that Bulletin year in order to graduate; no student may graduate under the requirements of a Bulletin more than seven years prior to the date of graduation. Please see Graduation Requirements for further information.
 - b. Graduate students must complete all requirements for their graduate degree within seven years after matriculation (enrollment) in their program; this is referred to as the 7-year rule. Please see Graduation Requirements and Extension of Time for further information.

c. Doctoral students must complete all requirements for their graduate degree within eight years after matriculation (enrollment) in their program. Please see Graduation Requirements and Extension of Time for further information.

5. **Application fee.** In general, applicants are required to pay the current application fee at least once at each admission level, and payment is due at the time they apply. Applications that are received without payment will not be processed until payment is received; the application fee is considered non-refundable.
 - a. *Returning students*; students that have previously enrolled and completed at least one course with Central Michigan University and are coming back to continue at the same level are considered returning and are not required to pay the application fee.
 - b. *No show*; students who were admitted, but never enrolled are required to pay the application fee again.
 - c. *Alumni*; students who have graduated from a CMU undergraduate program will have their application fee waived if they return to CMU to pursue another undergraduate or graduate degree or complete courses. Application fees to Doctoral level programs are not waived for Alumni.
6. **Transcripts – Failure to Report.** The University requires applicants to submit official copies of transcripts from any and every school they have enrolled, regardless of whether credit was earned. This should be done as part of the admission process.
 - a. To be considered official the transcripts must, at a minimum, meet the MACRAO definition of official (see <https://www.macrao.org/Publications/Official%20Transcript%20Definition.pdf>).
 - b. If a student fails to report all schools attended on their application, but through discovery it is determined that additional schools were attended then a hold will be placed on the students account preventing them from registering until all official transcripts are received and the file is reviewed again.

Application for Undergraduate Admission

Undergraduate admission: An undergraduate student planning to transfer from another institution with an undergraduate GPA below 2.0 will be ineligible for consideration at CMU for at least one semester. An undergraduate student who was academically dismissed from another college or university is ineligible for consideration at CMU for at least one year following dismissal. Global Campus programs have two types of admission status at the undergraduate level, regular and special, which may be granted to qualified applicants. Admission is valid only if you register for coursework within one calendar year of your effective admission date.

Types of Undergraduate Admission

Regular Admission. Regular admission is for those students seeking a bachelor's degree from CMU. Regular admission allows a student to enroll in any coursework the student may need to complete her or his degree, provided specific course prerequisites have been met.

Transfer Student: Students may be granted regular admission based on the following: if they have pursued education beyond high school or GED and taken coursework at an accredited college or university, or from a foreign university or college approved by the government (or the official agency of the country in which the university or college is located), and attained a GPA of 2.0 or higher. Submit one official copy of each transcript to Global Campus.

Special Admission. Special Admission may be granted to any student possessing a high school diploma or GED and/or a student not seeking a CMU degree. Students granted Special Admission are limited to no more than a total of 6 to 12 semester hours.

High School Diploma: A graduate of a high school or an equivalent institution who has not matriculated at another two- or four-year institution may be granted Special Admission to Global Campus programs upon presentation of an official transcript representing satisfactory academic record and graduation. The director or designee will review the high school diploma applicant materials.

GED: Applicants may also document high school completion through the General Education Development (GED) examination program. A GED recipient who has not matriculated at another two- or four-year institution may be granted Special Admission to Global Campus programs upon presentation of an official GED test score document representing a satisfactory academic record. The director or designee will review the Special Admission status for GED applicant materials.

Special admission may also be granted to an applicant who does not meet all requirements for regular admission or whose personal competencies the university may wish to assess. All students who are permitted to enroll in coursework prior to receiving formal notification of regular admission are granted special admission. Special admission, even when accompanied by assignment of an academic advisor, does not constitute final admission for the purpose of pursuing a degree.

After a student is granted regular admission, all courses successfully completed while the student had special admission status may be applied to the degree program at the discretion of the academic advisor with approval from the Global Campus Undergraduate Programs director.

Undergraduate Admission Process

To apply for undergraduate admission, the individual shall:

1. Complete the Application for Admission form online or submit it to Global Campus with the appropriate nonrefundable application fee.
2. Request the appropriate documentation needed to be sent directly to Global Campus:
 - a. Official high school transcripts requested from the principal of the high school attended, or
 - b. Certified copy of the GED test score secured from the school district which awarded the GED to document satisfactory completion of the exam (if submitting GED test scores, a letter of rationale is also required, which indicates why the applicant wishes to pursue the program and how they plan to be successful in the program), or
 - c. One official copy of each undergraduate transcript requested from the registrar of each institution you attended.

The final decision on admission is made after all materials have been received and evaluated. The student will be sent official notification of admission status.

Rematriculation

Global Campus Students. A student whose eligibility to enroll (matriculation) has been canceled by Global Campus for academic reasons may apply for rematriculation to the appropriate program director.

For students dismissed from Global Campus, a written request and a personal interview may be required. Supporting documents may also be requested. A written request for rematriculation should be submitted to Center Services, Global Campus, Mount Pleasant, MI 48858. Students requesting rematriculation should submit all materials at least two months prior to the start of the term in which the student is planning to enroll.

Mount Pleasant Campus Students. A student whose eligibility to enroll (matriculation) has been cancelled for academic reasons from the Mount Pleasant campus, but is seeking admission to Global Campus must first be rematriculated by the Committee on Rematriculation, in the Academic Advising and Assistance Office in Mount Pleasant. Following rematriculation to CMU, the student's admission to Global Campus will be considered.

Students dismissed from the Mount Pleasant campus must submit a written application (available from the Academic Advising and Assistance Office) and payment of the rematriculation application fee. A personal interview is required and supporting documents may also be requested. Interviews for students seeking to return for the Fall Semester will be held in May and June; interviews for students seeking to return for Summer semester will be held in April; readmittance for Spring Semester creates course scheduling difficulties for the student and is not advisable. Last minute interviews are not conducted.

Normally, petitions for rematriculation will not be considered until 12 months after the student has been dismissed. A student who has been dismissed twice will be rematriculated only under extraordinary circumstances, and consideration for rematriculation will not be considered for at least 24 months after the student's second dismissal.

Permission to return is not automatic, but is based upon the merits of each case. Students will be expected to show academic improvement at the community college level. Students will be expected to show solutions to difficulties that prevented them from achieving academic competence.

Concurrent Enrollment as a Central Michigan University Graduating Senior

An undergraduate student may be permitted to register concurrently for graduate credit for the semester or session in which requirements will be completed for a baccalaureate degree, provided the following conditions are met: 1. the student will be taking no more than 12 undergraduate credits during the semester of concurrent registration; 2. during the semester of concurrent registration, the student enrolls in all courses required for graduation; 3. the student's total credit load (graduate and undergraduate courses) will not exceed 15 credits during the semester of concurrent registration; 4. the student has an undergraduate grade point average of at least 2.7 or optionally, 3.0 in the most recently completed 60 semester hours of graded coursework toward the bachelor's degree; and 5. the student is admitted to the programs; the admission may be conditional or nondegree. Students who do not comply with the conditions of concurrent admission may be dropped from their graduate classes. Students who fail to graduate at the end of the concurrently-enrolled semester will not be permitted to continue in their graduate program until all requirements for the undergraduate degree have been met. Exceptions to these policies can be granted under any of the following circumstances: 1. students who have completed all requirements for the bachelor's degree EXCEPT student teaching may be granted concurrent status prior to student teaching if they meet conditions 4-5 above; 2. students admitted to a combined BA/MA or BS/MS program at CMU may be granted concurrent status if they have completed at least 86 undergraduate credits and are recommended by the Department of Health Promotion and Rehabilitation for admission to the Physical Therapy program. Furthermore, students may appeal to the Vice President/Dean of the Office of Research and Graduate Studies for a policy exception to grant admission as concurrent students.

Undergraduate Certificates

Any currently enrolled undergraduate degree-seeking student is eligible to enroll in any undergraduate certificate program, but a certificate is not automatically earned by completing the requirements of a degree program, general education, major or minor. Students should consult with a departmental/unit advisor.

Non-degree seeking students must meet the existing admission standards to the University for Non-degree Special Admission for main campus enrollment or Special Admission for Global Campus enrollment. The student must consult with a departmental/unit advisor. The certificate will be noted on the transcript upon completion of the certificate program.

For more information, see the Index under "Undergraduate Certificates" for page numbers.

International Students - Undergraduate:

International applicants cannot take courses until regular or conditional admission is granted. They must meet the same admission standards as other students and are responsible for providing all information requested. International applicants should submit their application form, appropriate fee and required documentation six weeks prior to the term they plan to enroll.

Once admitted, students who are not U.S. citizens or resident aliens but living in the United States should understand enrollment in Global Campus programs may not satisfy visa requirements, and admission to Global Campus will not qualify them to receive an I-20 from Central Michigan University. Students who are not citizens or resident aliens but living in the United States may be required to provide evidence of financial responsibility, a medical history report, and evidence of being covered by an adequate health and accident insurance policy.

International students seeking undergraduate admission should complete the admission application form and submit it with the appropriate application fee. In addition, international students must provide the following information:

1. Official transcripts from all secondary and post-secondary institutions, translated into English. Previous academic work must demonstrate appropriate readiness for academic success in the chosen academic program.
2. A course-by-course evaluation and credential verification must be submitted for schools outside of the United States and Canada; CMU recommends World Education Services, Educational Credential Evaluators, or Josef Silny for credential services.
3. Submit one official copy of a transcript of any credits earned at an American college or university.

Demonstrating English Proficiency at the Undergraduate Level.

International students whose native language is not English must demonstrate their English language proficiency by ONE of the following methods:

Achieve a satisfactory score on the following test:

1. Test of English as a Foreign Language (TOEFL) administered in various countries and the United States by the Educational Testing Service, Princeton, NJ 08541-6151. A minimum score of 550 (paper version) or 213 (computer version) or 79 (Internet-based) is required for regular admission. Conditional admission may be granted by the Vice President/Executive Director of Global Campus for a TOEFL score between 500 and 549 (173 – 210 computer version). A written explanation as to why the student should be granted conditional admission must be submitted by the student. TOEFL scores should be reported to the admissions specialist in Global Campus.
2. Satisfactory completion in a course of study (e.g., high school diploma or baccalaureate degree) where the language of instruction is English.
3. Successful completion (GPA of a 2.7 on a 4.0 scale, or its equivalent) of at least 24 credit hours of work in a recognized undergraduate program where the language of instruction was English.

Applying for Admission to Graduate Study

Applicants must have earned a four-year baccalaureate or equivalent degree from an institution which has received regional accreditation or recognized standing (recognized at the time the student attended). The Application for Admission form should be completed online (<http://global.cmich.edu/future/default.aspx>) or submitted to the program center office with the appropriate nonrefundable application fee. A student should request that the registrar of *ALL* undergraduate and graduate institutions attended send one official transcript directly to Global Campus. After all materials have been received and evaluated, the student will be sent official notification of admission status. Exceptions to the admission policy and/or review of admission policy rests with the Vice President/Dean of the Office of Research and Graduate Studies.

In some instances, once your application and nonrefundable fee are received and we are awaiting the remaining documents, you may be eligible to enroll for up to six (6) graduate credits as a nondegree student. Those students who have graduated from a college or university of recognized standing, have a cumulative undergraduate grade point average of at least 2.7 overall or 3.0 in the last half of their coursework, and meet the admission requirements of the department may be granted regular or conditional admission status. When there are extenuating circumstances, those students who graduated from a college or university of recognized standing with a cumulative undergraduate grade point average of below 2.7 may be granted conditional admission by the Vice President/Dean of the Office of Research and Graduate Studies. Such students must include a resume with their application.

A student who does not register for a class within one year of notification of admission is placed on a "no-show" status. If he or she should wish to attend in the future, a new application following current requirements must be made, and the current application fee must be paid.

A student who does not register for a class within three years of completion of a previous class will be placed on "inactive" status. If the student wishes to enroll in subsequent courses, he or she should submit another application and again supply appropriate transcripts.

Admission of Global Campus Faculty Members and Administrators: Faculty members and administrators in Global Campus may pursue a graduate degree or certificate through Global Campus provided he or she is in compliance with the Academic Senate policy on "Faculty Rank and Pursuit of a Graduate Degree" and has permission from the Vice President/Dean of the Office of Research and Graduate Studies.

Types of Graduate Admission

CMU has five categories of admission: regular, conditional, non-degree, provisional, or concurrent (as a CMU graduating senior). A Letter of Admission is valid for one calendar year following the effective admission date. If a student does not enroll in courses within one calendar year after being admitted for graduate study, the student is required to reapply for admission.

Graduate applicants should be aware that concentrations in some disciplines may be open only to full-time, main campus students. Graduate applicants that cannot attend full-time should check with their department before seeking admission to a concentration in that department. NOTE: International students are required by law to be enrolled full-time.

All references to grade points and grade point averages (GPA) are based on a four-point scale. (The adaptation of this scale to the graduate school marking system at Central Michigan University is found under Academic Regulations.)

Baccalaureate Degree Requirements. All applicants must hold a baccalaureate or equivalent degree from a regionally accredited U.S. college or university (accredited at the time the student attended), or in the case of institutions outside the U.S. a degree from an institution recognized by the government of that country at the time of attendance.

Department Requirements. All applicants must meet the admission requirements of the department in which they wish to complete their graduate degree or certificate.

Students who have an admission status will be allowed to transfer to main campus programs only if they are accepted by the relevant department and the Vice President/Dean of the Office of Research and Graduate Studies. If you are uncertain of your status, you should request clarification from the Global Campus Admissions Specialist, 800-950-1144.

Regular Admission: Requires at least a 2.7 cumulative, undergraduate GPA, or a 3.0 cumulative, undergraduate GPA in the final sixty semester hours of graded coursework toward a bachelor's degree. At least 60 hours of undergraduate coursework must be graded.

Conditional Admission: Conditional admission may be granted to students who do not meet all the requirements for regular admission or whose personal competencies a department may wish to assess prior to recommending regular admission. Departments or Center Services may require that the student be conditionally admitted with the requirement that he/she makes up the deficiencies and maintains an acceptable level of scholarship in graded graduate coursework. Courses taken to make up deficiencies in preparation for regular admission may not be counted toward graduate degree/certificate requirements. Conditional admission to graduate study, even when accompanied by assignment to an academic advisor, does not constitute final admission. Students are considered admitted only when regular admission status has been granted.

Students granted conditional admission are only considered to be regularly admitted to a specific curriculum when they have:

- a. Fulfilled all the prerequisites for admission to the curriculum,
- b. Submitted a completed Admission Status Reclassification Petition form with required signatures to Center Services,
- c. Submitted an Authorization for Degree Program – Graduate or Doctoral form approved and signed by the appropriate personnel.

Non-Degree Admission: Non-degree admission status is meant for applicants who: 1) are undecided as to curriculum choice, or 2) do not wish to earn a degree or certificate, or 3) do not meet the requirements for regular or conditional admission.

Coursework Restrictions.

- Students admitted as non-degree may register only for courses for which they meet the pre-requisites.
- Students may enroll in an unlimited number of courses while having non-degree status however, dependent on graduate program/department approval a maximum of nine graduate credits may be applied toward a graduate degree or a maximum of six graduate credits may be applied toward a certificate. Departments may approve a higher or lower limit with Graduate Studies approval.
- Graduate credits used to make up deficiencies in program preparation cannot be counted toward a degree or certificate. Students should contact the department chairperson or graduate coordinator in their proposed field of study for assistance in selecting coursework to make up deficiencies.
- Students must maintain the required cumulative graduate GPA of 3.0.

Re-evaluation for Regular or Conditional Admission. The time frame varies for non-degree students who wish to apply for conditional or regular admission. Students admitted to non-degree status because of failure to meet the requirements for conditional or regular admission may apply for admission once they have met the requirements to the satisfaction of the department which offers the program and Center Services. "Undecided" students who do not have coursework deficiencies may apply for admission to a degree or certificate program at any time.

Non-degree students who apply for regular or conditional admission will be evaluated as all applicants are evaluated and the admission decision will be communicated to the student by Center Services.

Students wishing to change from non-degree to regular or conditional admission status must complete another admission application. However, no fee is required if the student paid the application fee when applying for non-degree status.

International applicants. International applicants holding a J-1 (exchange) visa may be allowed non-degree status. Only in unusual and rare circumstances may international students holding an F-1 (student) visa be granted non-degree status.

Provisional Admission: Provisional Admission is typically granted to 1) Students in the final semester of completing their bachelor's degree with the understanding that they will complete the baccalaureate prior to beginning their graduate studies or 2) Students who in rare circumstances submit an unofficial transcript or test scores pending receipt of official documents. Provisional admission is granted to these students in combination with another admission status (regular, conditional, and non-degree) contingent upon providing Center Services with the required information.

Students with provisional admission may only register for one semester of graduate coursework while awaiting the official documentation. It is the student's responsibility to request the registrar at the baccalaureate granting college or university to send an official copy of the final transcript reflecting the degree earned or for official test scores to be sent directly from the testing organization to Center Services. A final decision relative to the applicant's admission will be made and the student will be notified of the decision. If the student fails to submit the required documentation the admission will be converted to a denial and the student will be removed from classes.

Concurrent Admission as a Graduating Senior: An undergraduate student may be permitted to register concurrently for graduate credit for the semester or summer session in which requirements will be completed for a baccalaureate degree, provided that the following conditions are met: 1) the student will be enrolled in a maximum of 12 undergraduate credits during the semester of concurrent registration; 2) during the semester of concurrent registration, the student enrolls in all remaining courses required for graduation; 3) during the semester of concurrent registration the student total credit load (undergraduate and graduate) will not exceed 15 credit hours; 4) the student has an undergraduate GPA of at least 2.7 or a 3.0 in the last 60 semester hours of graded coursework toward the bachelor's degree; and 5) only 500-level coursework is eligible for concurrent enrollment; and 6) the student is admitted to Graduate Studies (conditional or non-degree status). Students who do not comply with the conditions of concurrent admission may be dropped from their graduate courses. Students who fail to earn their baccalaureate degree at the end of the concurrently-enrolled semester will have their admission will be converted to a denial and the student will be removed from classes. Exceptions to the policy can be granted under any of the following circumstances:

- a. Students who have completed all requirements for the bachelor's degree EXCEPT student teaching may be granted concurrent status prior to student teaching if they meet conditions 4 and 6 above;
- b. Students admitted to an accelerated master's degree program at CMU may be granted concurrent status if they have completed at least 86 undergraduate credit hours and satisfy condition 4 above;

Special Admission Considerations

International Student Admission

International applications for admission require longer processing time than other applications. Prospective students should be certain to allow ample time for documents to be sent to Center Services and should recognize that notice of admission may take longer than expected to reach them. Also, certain programs have application deadlines, usually early in the year, and this should be taken into consideration when applying for admission.

Guidelines for International Applicants

1. International applicants: students living within the United States should apply 6 weeks prior to the registration period for the semester they plan to enroll. Students outside the United States should apply 6-12 months prior to the registration period for the semester they plan to enroll. International students who require an I-20 are not eligible for admission through Global Campus. Applicants who require an I-20 should apply through the Mt. Pleasant campus as an International Graduate Student. At the same time, the applicant must submit directly to Center Services one official copy of all diplomas and transcripts, as well as corresponding official English translations of non-English documents, from all post-secondary institutions attended. All transcripts and diploma copies become the property of CMU.

As part of the admission process, students who have earned credit or had degrees awarded from an institution outside the United States or Canada, must have their transcripts and diplomas evaluated by a credential service. CMU recommends World Education Services, Educational Credential Evaluators, or Josef Silny for credential services. A course-by-course evaluation and credential verification must be completed by the credential service and submitted to CMU.

(continued)

2. Many international students inquire about obtaining financial aid to assist with the expenses of a degree program. There is very little financial aid available to international students in the United States; most aid derives from U.S. government sources and is restricted to U.S. citizens and permanent residents.
3. **English Proficiency Standards:**
 - a. Test of English as a Foreign Language (TOEFL): A score of 500 PBT/61 IBT is required for conditional admission or 550 PBT/79 IBT for regular admission.
 - b. International English Language Testing System (IELTS) Academic Module: A score of 5.5 required for conditional admission or 6.5 for regular admission.
 - c. Pearson Test of English, Academic Module: A score of 44 for conditional admission or 53 for regular admission.
 - d. International Baccalaureate (IB): A grade of 5 in English at the Higher Level is required for regular admission.
 - e. Michigan English Language Assessment Battery (MELAB): A score of 69 is required for conditional admission or 77 for regular admission.
 - f. ELS Language Center Program: Completion of Level 112 for regular admission.
 - g. ELI (CMU English Language Program): Successful ELI completion and recommendations for regular admission.
 - h. English Language Programs: English Language Programs from outside CMU may be considered on an individual basis.
 - i. English Language of Instruction (Received Baccalaureate Degree): Applicants whom have satisfactorily completed a baccalaureate degree where the language of instruction is English may also qualify for English Proficiency.
 - j. English Language Proficiency Testing Exemptions (List of Exempt Countries): To view a list of English Language Proficiency Testing, Exempt Countries please go to www.grad.cmich.edu/toefl.

Alumni Course Audit

Alumni who have earned a graduate degree from Central Michigan University may audit any Global Campus course at the special rate of \$100 per course on a space-available basis, at any site where courses are open to the general public. Where courses are closed to the general public, alumni otherwise eligible to enroll in courses may also audit classes.

Alumni wishing to enroll should contact the program administrator since registration is handled according to the normal procedure where the course is being held. An "Intent to Audit" card will be completed by the registrant, and the \$100 fee will be collected at that time by the program administrator. Actual admittance to a class will be contingent upon the availability of classroom space.

Grades are not given for audited courses, no credit is received, and audited courses do not meet any CMU degree or certificate requirements.

Toll-free Information Line

Global Campus has a toll-free number (1-877-268-4636) available for prospective students seeking general information about the program, and for current students referred to the Mount Pleasant office by their program administrators. The number is answered by an auto-attendant, and callers with touchtone phones may enter the extension number of the office they are calling. Those with rotary dial phones, or those who do not know the extension of the office they want, may stay on the line and an operator will assist them.

Good Standing

To remain an active student after admission, students must be in good standing. Good standing means the student is making satisfactory academic progress (see "Standards of Satisfactory Academic Progress") and has no outstanding debts to the university.

Students who are not in good standing may not be allowed to register for classes. If they have finished their coursework, students who owe money to the university receive their degree but are unable to receive a copy of their official transcript.

Academic Supports

Orientation

Once admitted to CMU, completion of the New Student Orientation is recommended. Orientation can be done at a CMU center or online at <http://global.cmich.edu/orientation>. Orientation will familiarize new or returning students to CMU with processes and policies and provide helpful information for academic success.

Academic Load

A graduate student may not be enrolled in more than 15 credits of classes that meet during each of the following periods:

- Spring (January-May)
- Summer (May-August)
- Fall (August-December)

No undergraduate student will be permitted to be enrolled in more than 21 credits during any of the following periods:

- Spring (January-May)
- Summer (May-August)
- Fall (August-December)

The Registrar's Office

Warriner Hall 212; 989-774-3261
Email: registra@cmich.edu

The Registrar's Office is committed to using both professionalism and the highest level of technology to provide efficient and effective services while still maintaining personal attention as a top priority. The Registrar's Office assists the Mission and Vision of Central Michigan University through ensuring the integrity of student records, collaboration with Strategic Enrollment Management initiatives, policy and procedure interpretation and enforcement and providing data and perspective to both internal and external constituents. The Registrar's Office provides a continuum of services throughout a student's academic life cycle and into alumni status.

Primary services provided include: academic record creation and maintenance, ensuring compliance with the Family Educational Rights & Privacy Act (FERPA), enrollment verification, providing transcript evaluation, NCAA eligibility verification, final graduation audits for conferral of credentials, overseeing term course registration activities, oversight of academic scheduling and space assignments, data mining and limited analytics and support to campus stakeholders in the creation, modification and implementation of student affiliated policies and procedures as applicable.

Academic Advising

Academic advising is provided to help students identify their educational needs, interests and goals. Advisors include professionals from education, business and government. They are available for advising appointments at regularly scheduled times and can be reached via e-mail or phone. Scheduling information is either mailed to students or is posted in the program center office.

Students work with an academic advisor to complete a program plan which serves as the road map or guide to achieve the student's academic goals. It is the student's responsibility to schedule an appointment with the academic advisor to develop the program plan. This should be done as early in the student's course of study as possible – if at all possible, before a student begins her or his second course. If the student decides to take coursework before developing a program plan, he or she does so at the risk the work may not be applicable to the course of study which he or she wishes to pursue.

The academic advisor and the program director have authority over the student's program plan. This authority is limited by the curricula and the university's policies and practices. While the program plan is intended to be flexible, students should not deviate from the program plan without the permission of the academic advisor and the program director. If they do so, they run the risk the deviations may not be applicable to the course of study which they have chosen. No student will be approved for graduation until an approved program plan is on file at Global Campus's Mount Pleasant office.

Faculty

The distinctive character and flexible course schedules of CMU's Global Campus programs attract leaders from a variety of fields. Instruction is provided by CMU faculty, by faculty from other colleges and universities, by public officials, by practicing specialists, and by leaders in business and industry.

The academic credentials of all instructors are approved by the appropriate academic department of the university. In addition, instructors of graduate courses are approved by the College of Graduate Studies. Instructors are contracted separately for each class.

Because Central Michigan University has over 1,100 approved part-time instructors, hired on a course-by-course basis, individual adjuncts are not listed in this catalog. All faculty are required to include biographical information on the cover sheet for each course they teach. This information is available to students before and during registration. As part of the course cover sheet, faculty provide phone numbers, e-mail address, times they are available, and a mailing address where they can be reached before, during and after the class has been completed.

CMU Writing Center

For help with prewriting, drafting, revising, editing, and polishing, contact a CMU Writing Center consultant online, a free service at <https://www.cmich.edu/global/writingcenter/Pages/default.aspx>. A CMU Writing Center Consultant will work with you per submission, and papers are back within two business days. Contact writcent@cmich.edu for more information.

Tutoring for Mathematics and Statistics Courses

Tutoring assistance is now available to Global Campus students from the CMU Math Assistance Center (<http://global.cmich.edu/mathcenter/tutoring-request.aspx>). After the online registration process (usually takes one business day), real-time tutoring via internet and/or toll free telephone connect (800-950-1144, ext. 2290) will be available. Students must be currently enrolled in a Global Campus mathematics course (MTH 105, 109, 107, 113, 130, 132, 175) statistics course (STA 282 or 382) or PSY 211; have activated their global ID and password; have computer access (high speed connection preferred); or telephone access. For more information, contact the Math Assistance Center at 800-950-1144, ext. 2290 or mathac@cmich.edu.

Career Services

The primary goals of Career Services are to assist individuals in recognizing career development as a lifelong process and to develop decision-making and job search skills that are useful throughout life. Career development is an important element of an individual's sense of identity and personal happiness. Successful career development is dependent on two factors: self-knowledge and knowledge of the world of work. The likelihood of career success is increased dramatically when individuals invest incremental effort over a significant period of time.

A Career Advisor works with students to discuss industry trends, salary trends, available resources, time frames for conducting a job search, preparation and information about internships. You can make an appointment to meet/speak with an advisor by accessing the appointment option on our information management system Handshake (cmich.joinhandshake.com). Resume critiques, practice interviewing, career assessment testing (Focus2, MBTI, SII), Career events and job postings exist to assist you with your future career goals.

For more information, contact Career Services, Ronan Hall 240, (989) 774-3068, or visit us online at www.careers.cmich.edu.

Note: The center does not guarantee employment for graduates.



Registration

Registration for Classes

Registration for classes offered by CMU is done by the student through *CentralLink* during open registration periods and is available on a priority basis related to the number of credits a student has earned. For more information, see <http://global.cmich.edu/regnews>. Fall registration generally begins in April, spring registration generally begins in October and summer registration generally begins in March. For specific dates and times related to registration, and other general help with registration, please go to <http://global.cmich.edu/regnews>. If you have a hold on your account preventing registration or you are unable to register yourself for any other reason, contact a Global Campus registration specialist by e-mailing globalreg@cmich.edu or calling 800-664-2681, option 1.

Due to the modular nature of many Global Campus courses, it is sometimes possible to register for courses outside the normal "open" registration periods. To inquire about registration outside the normal period, contact the program administrator at the site where the course is being held (including online courses) using the following link: <http://global.cmich.edu/locations/>. Students are not allowed to enroll in courses after the course has started.

Although every effort is made by CMU to adhere to its published schedule, the university maintains the right to add and cancel or change scheduled courses and course dates.

Graduate students are limited to 15 credits per semester while undergraduate students may take up to 21 credits. This includes credits taken in all class formats. The ending date of the course determines which semester the course belongs to. Generally classes ending after August 16 and before December 31 constitute the fall semester; January 1 to May 15 the spring semester and May 16 to August 15 the summer semester. Exceptions to this credit hour limitation will be granted for extenuating circumstances only and require approval of your academic advisor.

Undergraduate students are eligible to enroll in course levels numbered 100-599. Many 500 level courses can be considered either graduate or undergraduate, depending on the students' status. Courses numbered 600-900 are open only to graduate students.

Many courses offer students the ability to place themselves onto a wait list should the course no longer have available seats. This means that if a section of a course that has a wait list available is closed, students can add themselves onto the section's wait list and should a space open up in the section, students from the wait list will automatically be moved into the course.

Registration for Independent Study

MSA students desiring independent study must submit an *MSA 691 Independent Study Request* to the academic advisor. The application must contain a detailed explanation of the proposed study, the purpose of the study, and the methodology to be employed. The academic advisor will review the application to ascertain whether:

- a. The independent study is directly related to the student's academic program.
- b. The student cannot obtain equivalent experience through a regular course.
- c. The proposed study is of the quality and level expected for the student's degree program.

The academic advisor has the prerogative of altering the number of hours requested for the independent study, but in no case may the number of hours exceed the number stated for the specified course in the current *CMU Bulletin*. For example, MSA 691 is 1-2 semester hours.

The academic advisor of the student may recommend an independent study instructor (if the student suggests an instructor, the student should notify the individual that her or his name will be suggested). The faculty assignment coordinator will assign the instructor. The instructor recommends approval, with modification, or disapproval of the independent study. The instructor will be responsible for providing the student with guidance throughout the study and for evaluating the student's work at the end of the study.

If the independent study is approved by the appropriate main campus academic unit, the student will be sent a copy of the independent study form confirming the instructor for the course, the amount of credit permitted for the course, the course number, and the fee for registration. The student must complete registration for the study by sending a completed *Registration and Payment Receipt Form* and payment to the program center office. If the student does not complete registration within 90 days, the independent study approval will be canceled unless the student applies (in writing) and receives an extension.

The student must submit two copies of the final project to the instructor. If the student wants copies of the instructor's final comments, the student should include a stamped, self-addressed envelope.

CMU Online Courses

To ensure success in online classes, CMU encourages students to familiarize themselves with the online learning environment prior to enrolling in CMU Online courses. Preview a sample online class, run a diagnostics check on your computer and take the Online Learning Assessment on our website at: <http://global.cmich.edu/cmuonline/about>.

The majority of CMU Online courses start on a Monday and end on a Friday. Students are encouraged to frequently and consistently log into their online course, ideally every day. Tuition refunds requested prior to the beginning of the course shall be made in full. The start time for CMU Online courses is 12:01 a.m. EST on the first day of class. Drop/withdrawal requests received after that will be assessed a \$50 fee. Each new week for an online class begins on Monday at 12:01 a.m. EST and ends on the following Sunday at 12:00 midnight EST. The amount of tuition refunded is based on the week the request is received within. Holidays do not have any effect on this definition of a week. Students may not withdraw after the midpoint of the course. Students who cease/fail to participate or log into their online class and have not formally withdrawn from the course will receive the grade earned in the course. A bill-back in financial aid received may be incurred based on the student's last date of academic participation in the class.

Refunds requested after the midpoint of the course shall not be made except as follows: Full refunds shall be made when requested any time prior to the last class session, if the reason for withdrawal is that the student is being sent out of the area by her or his military employer and if said duties will impair or prevent the student's ability to participate in class and meet course requirements. A copy of TDY (Temporary Duty) orders or confirming the assignment must accompany the request. In unusual circumstances such as extensive illness or death in immediate family, refunds may be considered, provided appropriate documentation has been submitted to CMU Online administration.

Students who cease/fail to attend (virtual or otherwise) and have not formally withdrawn from the course will receive a grade of "E." A charge-back for financial aid may be incurred based on student's last day of attendance. See Financial Aid section of this Bulletin for additional information.

Note: International students who are issued an I-20 to pursue graduate studies at CMU are restricted to enrolling in one on-line course per semester. The department chair or graduate program coordinator must approve any coursework done through Global Campus.

Drop or Withdraw from a CMU Global Campus Course

- A Drop occurs prior to the course start or prior to the 2nd meeting time for face-to-face classes or the 2nd week for CMU Online classes.
- A Withdrawal occurs after second meeting time for face to face classes or after the second week for online classes and before the midpoint.

Important Information Regarding Course Drops and Withdrawals for All Global Campus Classes

- Drops and withdrawals are done by the student, within the permitted time frame for doing so, through the Course Search and Registration System within *CentralLink*.
- Withdrawals after the midpoint are not permitted.
- Students who cease or fail to attend (virtual or otherwise), without formally dropping or withdrawing from the course will receive a grade of "E."
- Telephone requests to drop or withdraw will not be accepted.
- In the event that a student is not able to drop or withdraw from a course online through CentralLink, the student must: 1) for face-to-face courses, immediately notify their program administrator in writing for assistance; or, 2) for online courses, immediately notify *CMU Online* at cmuonline@cmich.edu.
- Drops and withdrawals can and do affect your financial aid eligibility. For more information go to <https://www.cmich.edu/global/courses/pages/drop-withdraw.aspx>.

Information on completely withdrawing from the University appears in the Academic Policy and Procedures section of this *Bulletin*.

Financial Information

Student Account Services and University Billing

Central Michigan University
 Bovee University Center 119
 Mount Pleasant MI 48859
 989-774-3618
 888-610-4991
 Fax: 989-774-1452
 e-mail: recacct@cmich.edu

Billing Procedures and Delinquent Account Policy

Central Michigan University sends monthly billing statement notifications electronically to CMU global e-mail addresses. Students are responsible for accessing these monthly statements in the QuikPay Billing System via *CentralLink* to view their account balances and payment due dates. The monthly statements may include tuition, course fees, on-campus housing, bookstore, telecom, parking fees and other miscellaneous charges.

Students may incur late fees if the monthly balances are not paid by the scheduled due date. Financial holds will be placed on accounts with a past due preventing course registration and release of transcripts. Monthly late fees will be assessed to the account as follows:

Past Due Amount	Late Charge
\$01-\$9.99	No late fee
\$10.00-\$59.99	\$1.00 per month
\$60.00 and above	\$30.00 per month

Past due accounts may be referred to a collection agency, and, if referred, the fees assessed to the University by the collection agency will be added to the student's account. Once the account is referred to a collection agency, the past due account may be reported to the Credit Bureau by the collection agency. Students are encouraged to contact the Student Service Court to receive advice regarding financial options that could possibly prevent collection referral. Please be advised that CMU reserves the right to suspend campus ID privileges and charging privileges to the student account at any time due to a past due balance, including, but not limited to, meal plan, flex and campus cash, computer lab, library, bookstore, SAC, and telecom. In addition, students with delinquent accounts may have a prepayment hold placed on their account, requiring payment in full at the time of registration for all future semesters.

Past Due Policy for Fall Semesters Only

Any student registered for a Fall semester with a past due balance of \$200.00 or greater will be removed from all registered courses at the beginning of the day on August 1. All students will receive prior notification of the registration removal after the July billing statements have been issued (approximately the first week in July). If past due balances are not brought current after notification is sent and before August 1st, registration from courses for the Fall semester will be removed.

Tuition

Tuition and fees are established by the Board of Trustees and are subject to possible change. At the time of this printing of the Bulletin, tuition and fees had not been established for the 2017-18 academic year. Contact the Student Account Services and University Billing Office at 888-610-4991 for updated information, or see <https://go.cmich.edu/tuitionandaid/undergraduate/Pages/costs.aspx> for updates.

Tuition and fees for Registration are to be paid in full when billed. Any past due financial obligations must be paid prior to the time of registration. Registration will not be allowed until such obligations are met.

CMU has a convenient and affordable tuition payment plan. The payment plan is an interest-free way to help you pay for college. You can enroll online for this option, which allows you to have more flexibility with tuition payments. For more information, ask a Student Service Court Advisor or see https://www.cmich.edu/fas/fsr/student_acct_university_billing/SASUBCMUPaymentPlan/Pages/default.aspx.

Fees are payable by check, money order, electronic check online, American Express, Discover, Mastercard, or Visa. Students receive electronic statements from the CMU Student Account Services and University Billing office. Students are responsible for accessing their e-mail messages for monthly account balances and payment due dates on <https://centrallink.cmich.edu/>.

Global Campus Tuition (16-17)

The base tuition rate per credit hour for all Global Campus courses for which academic credit is given below. The President or designee may vary these tuition rates and fees according to cohorts, programs, locations, or terms of contracts.

Undergraduate	\$405.00
¹ Undergraduate, Military	290.00
Graduate	548.00
¹ Graduate, Military	327.00
Educational & Professional Development	300.00
Master of Business Administration - Online	
Online	600.00
Online, Active Military	550.00
SAP Concentration Courses	1,000.00
M.S. in Nutrition and Dietetics	555.00
Specialist in Education (Ed.S.)	548.00
Doctor of Education (Ed.D.)	627.00
Doctor of Audiology (Au.D.) (Non-Government)	511.00
Doctor of Audiology (Au.D.) (Government)	446.00
Doctor of Health Administration (DHA)	850.00
Doctor of Educational Technology (DET)	690.00

Notes:

1. Military Rates are applicable to programs that do not exceed the standard undergraduate and graduate rates. However, the graduate military rate is also applicable to the Master of Science in Nutrition and Dietetics program.

Main Campus Tuition and Fees

Tuition Rates* for Main Campus Credit Courses

<u>Level of Courses</u>	<u>2016-17 Rates Per Credit Hour*</u>	
	Michigan Residents	Non-Michigan Residents
Undergraduate students:	405.00	789.00
Graduate Students:	548.00	819.00
Doctoral Students:	627.00	906.00

- The credit by examination fee is \$40 per credit hour.
- Students initiating their registration on or after the first day of the session will be charged a \$100 late registration fee.
- Students not paying their tuition by the due date will be charged a \$100 non-payment of tuition fee.
- Other fees may apply.

*Contact Student Account Services and University Billing at 989-774-3618 for updated information or see https://www.cmich.edu/fas/fsr/student_acct_university_billing/SASUBBillingandPaymentInformation/Pages/default.aspx for updates.

Fees

Application, Standard	\$50.00
Application, Doctorate in Health Administration.....	200.00
Application, Disney - in addition to	
Standard Application Fee	250.00-300.00
Withdrawal	50.00
Graduation/Certificate - Graduate Students only.....	50.00
Application, Prior Learning	125.00
Prior Learning Assessment (per credit hour).....	85.00
Online Oral English Competency	45.00
Registration for Continuing Education Clock Hours or State Board Continuing Education Clock Hours (SCECH).....	25.00

Application Fee. Fee is assessed with the initial application to cover all application handling costs and admission materials.

Withdrawal Fee. Any Global Campus student who drops or withdraws from a course after the start date will be charged a withdrawal fee and any tuition refunds are provided according to the Refund Policy. If the reason for withdrawal is that the student is being sent out of the area by her or his military employer and if a copy of TDY (Temporary Duty) orders or a letter from the employer confirming the assignment accompanies the request, no fee will be assessed.

Graduation/Certificate Fee (Graduate level). A graduation fee is assessed at the time a student applies for graduation or for a graduate certificate.

Library Fees. If checked out items are not returned 7 days after the due date, a \$5.00 fee will be assessed for each overdue item. If still not returned by 14 days after the due date, a replacement charge of \$60.00 and a total processing fee of \$20.00 will be assessed against each item. Upon return of each item, the replacement charge will be waived.

Late Registration Fee. An additional fee of \$100.00 will be charged to all students registering on or after the first day of classes for the semester or session.

Non-Payment Tuition Charge. Payment for tuition must be received by the stated due date or the student will be assessed a \$100.00 Non-Payment Tuition Charge in addition to a \$30 monthly late fee.

Returned Check Fee. A \$25.00 handling fee is charged for checks returned by the bank (i.e., insufficient funds, account closed) which were presented to the university. Students may be involuntarily withdrawn from all classes if returned checks intended to cover tuition and/or past-due balances are not repaid as directed in the Notice of Returned Check letter. This letter will be mailed from the university upon receipt of a returned check.

Prior Learning Assessment Credit Fees

A one-time processing fee of \$125 is assessed when the Prior Learning Portfolio is submitted for evaluation. The student is required to pay only for prior learning assessment credits posted on her or his transcript. Both undergraduate and graduate students are assessed a prior learning assessment credit recording fee of \$85 per credit hour.

If the student chooses, credits not accepted for the program plan by the academic advisor may be posted as excess credits. Prior learning assessment credit is entered on the student's official transcript after the successful completion of five semester hours of coursework from CMU and after the appropriate recording fee has been paid.

Third-Party Payer

Tuition and fees are the responsibility of the student. If a third-party payer fails to make payment on behalf of a student, the student will be billed and held responsible for all appropriate tuition and fees.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 was established to protect the privacy of student records. CMU is, therefore, not allowed to release details of a student's financial account without prior written consent from the student. Authorization to Release Information forms, which will allow release of non-academic information to specific individuals, are available online at <https://www.cmich.edu/centrallink/account/Pages/Setting-Changing-Authorization-to-Release-Information-Passcod.aspx>, on CentralLink.

Military and Veteran Information

For more information, see the Military and Veteran Services section (see index for page number).

Housing Information

Central Michigan University accepts no responsibility to find or assist a Global Campus student in finding housing. It has no residence halls other than those located on the main campus in Mount Pleasant, Michigan.

Refund Policy

Application fees, main campus enrollment fees, prior learning assessment credit fees, and graduation fees are not refundable. Competency Assessment Workshops are fully refundable prior to the first meeting time and nonrefundable after the first meeting time.

Tuition refunds requested prior to the beginning of the course shall be made in full. Tuition refunds requested after the beginning of the first class meeting time or within the first week of an online class and before the second class meeting or before the second week of an online class shall be refunded 100%, less the \$50 withdrawal fee. Tuition refunds requested after the beginning of the second class meeting time or in the 2nd week of an online class and before the midpoint of the course shall be refunded in proportion to the calendar time remaining in the course, less a \$50 withdrawal fee, according to the refund chart at the end of this section. Students may not withdraw after the midpoint of the course.

Refund Chart for Course Drops and Course Withdrawals

All students dropping or withdrawing from courses after the start date and time will be assessed a \$50.00 fee in addition to the refund percentage in the chart below. Also, all withdrawals and drops require written notification to the center in which you are taking the course. See chart below for refund percentages.

CMU ONLINE COURSE FORMAT	16-WEEK CLASS	12-WEEK CLASS	8-WEEK CLASS	N/A	N/A	N/A	N/A
FACE-TO-FACE COURSE FORMAT	16-WEEK CLASS	12-WEEK CLASS	8-WEEK CLASS	5-WEEK CLASS	1-WEEK CLASS	4 WKNS	3 WKNS
FACE-TO-FACE COURSE MEETING TIMES	16 MEETINGS	12 MEETINGS	8 MEETINGS	10 MEETINGS	5 MEETINGS	8 MEETINGS	6 MEETINGS
COURSE DROPS:							
Prior to the second meeting time for face-to-face or prior to the start of the second week for CMU Online	100%	100%	100%	100%	100%	100%	100%
COURSE WITHDRAWALS:							
Prior to the third meeting time for face-to-face or prior to the start of the third week for CMU Online.	75%	75%	75%	75%	50%	75%	75%
Prior to the fourth meeting time for face-to-face or prior to the start of the fourth week for CMU Online.	75%	75%	50%	75%	0%	50%	0%
Prior to the fifth meeting time for face-to-face or prior to the start of the fifth week for CMU Online.	75%	75%	0%	50%	NA	0%	NA
Prior to the sixth meeting time for face-to-face or prior to the start of the sixth week for CMU Online.	50%	50%	NA	0%	NA	NA	NA
Prior to the seventh meeting time for face-to-face or prior to the start of the seventh week for CMU Online.	50%	0%	NA	NA	NA	NA	NA
Prior to the eighth meeting time for face-to-face or prior to the start of the eighth week for CMU Online.	50%	NA	NA	NA	NA	NA	NA
Prior to the ninth meeting time for face-to-face or prior to the start of the ninth week for CMU Online.	0%	NA	NA	NA	NA	NA	NA

Notes:

- If a class has a format that is not listed on the grid, or for courses offered in a hybrid format, please compute total number of days occurring before the withdrawal date and divide by the total number of days in the course to find the percent of completed course time. If the course is 10-33% over, the amount to be refunded is 75%; if the course is 34-49% over, the amount to be refunded is 50%; if the course is 50% or more completed, a withdrawal will not be permitted. CA workshops are non-refundable after the first meeting. A "W" grade will be given to any student who formally withdraws from a course prior to its midpoint.
- If you are a financial aid student and you withdraw from or drop classes to a point where you are considered less than half time for the semester after a financial aid disbursement has been made and a refund check sent, you could be charged back for the full amount of the disbursement.
- Students who cease/fail to attend (virtual or otherwise) and have not formally withdrawn from the course will receive a grade of "E." A charge back for financial aid received may be incurred based on student's last day of attendance.
- To drop a weekend course, the drop must be completed prior to 9 a.m. (EST) of the second class meeting date. After 9 a.m. and up to the midpoint, it will be classified as a course withdrawal. To drop a weekday course, the drop request must be completed prior to 6 p.m. (EST) of the second class meeting date. After 6 p.m. and up to the midpoint, it will be classified as a course withdrawal.
- The start time for CMU Online courses is 12:01 a.m. on the first day of class. Drop/withdrawal requests received after that will be assessed a \$50 fee. Each new week for an online class begins on Monday at 12:01 a.m. and ends on the following Sunday at 12:00 midnight. The amount of tuition refunded is based on the week the request is received within. Holidays do not have any effect on this definition of a week. Online classes follow the Eastern Standard Time (EST) zone.
- Georgia students will be allowed a refund of the withdrawal fee. See Authorization on page 14 for detailed information.
- CMU complies with the provisions for online education established by the Education Article, 11-202.2, Annotated Code of Maryland and COMAR 13B.05.01.10 of the Code of Maryland Regulations Refund Policy. See Authorization on page 15 for detailed information.
- CMU complies with the State Council of Higher Education for Virginia, Title of Regulations regarding student refunds. See Authorization on page 16 for detailed information.

Scholarships and Financial Aid

Applying for Financial Aid

To apply for financial assistance at Central Michigan University, students must complete the Free Application for Federal Student Aid (FAFSA). CMU's Title IV Federal School Code is 002243. This need analysis form must be completed and sent to the federal processor each year. Global Campus Financial Aid Information Manual can be found at <https://www.cmich.edu/global/finances/financialAid/Documents/FinancialAidManual.pdf>.

Undergraduate students enrolled through Global Campus may be eligible for Pell Grants and Federal Direct William D. Ford Loans. Graduate students may receive loan assistance only. Enrollment at other institutions does not qualify for CMU financial aid eligibility. All awards are contingent on the following:

1. Availability of funds from federal sources.
2. Accuracy of information provided on the Free Application for Federal Student Aid (FAFSA).
3. Adjustments made to your award if we receive information which affects your eligibility (such as employer tuition assistance, outside scholarships, etc.).
- NOTE:** If you have been paid financial aid which is later reduced or canceled for any reason, you may be required to return a portion of all of that payment to CMU.
4. Minimum Enrollment Status. If you apply for a fall/spring academic year loan and fail to achieve at least half-time status (as defined below) in the fall semester, your loan will be changed to a "spring only" loan and the amount adjusted accordingly. Notify OCP if this occurs.
5. Satisfactory Academic Progress (SAP). See below.
6. Your compliance with our request for additional documentation to support your application.
7. You are a U.S. citizen or eligible noncitizen, have signed all certification statements, are not in default on a federal loan or owe a refund or repayment on any federal or state program, and are enrolled in a degree granting program of study for the necessary number of hours.
8. The use of federal student aid loans and grants at prior schools during a current academic year will affect overall eligibility for federal aid at CMU.
9. The student must have regular admission to Central Michigan University in an aid eligible degree or certificate programs. **Not all Certificate Programs are eligible for federal aid. Contact the Financial Aid Office for this information.** Guest students attending CMU are not eligible to receive financial assistance through CMU.

Enrollment Criteria

Students must be enrolled at least half-time in courses which will end in the fall semester, spring semester and summer session according to the following chart:

Semester	Date	Min. number of credit hours	
		Graduate	Undergraduate
Fall	Aug.-Dec.	5	6
Spring	Jan.-May	5	6
Summer	May-Aug.	5	6

Students attending two schools in the same enrollment period must inform the financial aid offices at both schools. Students cannot receive federal financial aid (Pell Grant and/or loan) at both schools simultaneously.

Student Cost of Attendance

Your award notice is based on the Cost of Attendance (COA) at CMU. Financial need is determined by subtracting the Expected Family Contribution (EFC), as calculated by the federal processor, from the COA (COA – EFC = financial need).

Payment of Aid and Refunds

Awards from **any** Title IV U.S. Department of Education program will be applied to your account to pay tuition and fees. If you receive financial aid in excess of your CMU charges, the balance will be refunded to you to use toward your other education-related expenses. Payments are applied to your account by Student Account Services and University Billing. To receive your refund in a timely manner, you must maintain an accurate current address with your Program Center. Students have the option of requesting direct deposit by completing the direct deposit form available at: https://www.cmich.edu/fas/fsr/OAC/Payroll/My_Pay/Pages/Direct_Deposit_Options.aspx.

You must be prepared to pay for your Global Campus classes at the time of registration until notice of your pending aid is ready for disbursement to your student account.

Registration is checked weekly to verify half-time enrollment for the semester in Global Campus and/or main campus courses. Once achievement of half-time status is confirmed, loan funds are disbursed to your student account. If you are expecting a refund from loan proceeds, please allow 2-3 weeks from the date of verification for your refund to arrive.

If you register for additional classes after the disbursement of your semester aid, it is your responsibility to pay for the class or classes from any refund you have received for the semester. Books and other materials are the responsibility of the student to pay for out-of-pocket but will reimburse through financial aid if a refund is available. Some students may be eligible for a student book voucher from their Federal Financial Aid to be used at the Missouri Bookstore (MBS) prior to semester disbursement. Information on the Book Voucher Program can be found at: <https://www.cmich.edu/global/finances/bookVoucher/Pages/default.aspx>.

If you withdraw from or drop classes to a point where you are considered to be a less than half-time student for the semester after a financial aid disbursement has been made and a refund has been sent, you will be billed back for the full amount of the disbursement.

Credit for Life Experience (Prior Learning) - Eligibility for federal student aid requires a student to be admitted into a degree seeking program AND be currently enrolled in classes. Students planning to use life experiences for evaluation and potential course credit and are not enrolled during the time these life experiences were occurring, are not eligible for financial aid to cover the cost of these credits.

Satisfactory Academic Progress

Federal regulations (HEA Sec. 484(c)) require that Central Michigan University monitor the satisfactory progress of all students **regardless if they have received financial aid in previous semesters**. These financial aid requirements are separate from a student's academic requirements. To maintain eligibility for federal student aid, as well as most state and institutional student aid programs, there are three distinct criteria that must be monitored and met.

- 1. Quantitative standard:** A student must complete 67% of all CMU credits attempted each semester of enrollment, which includes the summer semester. Attempted hours are based on the number of credits for which the student is registered at the conclusion of the Registrar's posted "Deadline for Dropping a Class with a Full Cancellation of Tuition."
- 2. Qualitative standard:** A student must maintain a 2.00 cumulative GPA as an undergraduate student or a 3.00 cumulative GPA as a graduate student. To assist in maintaining this cumulative GPA requirement, a student may use <http://www.back2college.com/raisegpa.htm> as a tool.
- 3. Maximum time frame standard:** The number of attempted credits in which a student is expected to finish a program cannot exceed 150 percent of the published length of the program. Total credit hour limits apply whether or not the student has actually received financial aid for the entire time at CMU. Transfer credits from previous schools count toward credit hour limits. An undergraduate student cannot receive financial aid after attempting 186 credit hours. The 186-credit-hour limit for completion of a baccalaureate degree is intended to be long enough to allow for changes in a major, loss of credit due to transfer, withdrawn coursework, minors, double majors, etc.; therefore, no extensions of the maximum time frame will be granted for the above-mentioned reasons. A student in a graduate program may not receive financial aid if he/she has exceeded the published time limits as outlined in the CMU Graduate Bulletin for master, doctoral, or professional programs.

Graduate Students working on a Second Baccalaureate Degree or Post-baccalaureate Students working on Teacher Certification: A student pursuing a second undergraduate degree or a post-baccalaureate student working on teacher certification is limited to 93 credit hours of work between the receipt of the first degree and the completion of the second. A student may not receive financial aid beyond six (6) semesters (or the part-time equivalent of six (6) semesters) of enrollment in the second undergraduate degree program or teacher certification program.

Satisfactory Progress review at the end of each semester (fall, spring, and summer): Satisfactory Progress is measured at the end of each semester to determine a student's financial aid eligibility for the following semester.

Progress Status: If, for any reason, the OSFA fails to provide an intended notification, this does not relieve the student from the obligation of continuing to maintain satisfactory progress or from any other requirements of the financial aid program.

Consequences of Unsatisfactory Progress: **Students who fail to complete 67 percent of their attempted courses in one semester, and/or have a cumulative GPA that falls below a 2.00 for undergrad students and 3.00 for graduate level students will be placed in a warning status. Students are eligible for financial aid while on warning.** However, students who fail to bring their completion rate to 67 percent in the next semester of enrollment or to bring their cumulative GPA within the required range of a 2.00 for undergraduate students and 3.00 for graduate level students will result in financial aid suspension beginning with the next semester of enrollment. A student will remain on financial aid suspension and be denied federal and most state and institutional aid until he/she completes 67 percent of attempted courses within one semester at CMU, and maintains the required cumulative GPA for his/her grade

level. Only credit hours completed are counted as credits earned. Grades of I (Incomplete), W (withdrawal), X (audit), and Z (deferred) are not counted as earned credit. For example, a student who attended CMU in the fall and attempts 12 credits but withdraws from 6 credits fall semester will have completed 6 of 12 credits for a completion rate of 50 percent. This student will be warned, but still eligible to receive financial aid for his/her next semester of enrollment once Financial Literacy Counseling session has been completed. A second semester of less than 67 percent completion and/or a cumulative GPA below the required standards will result in the student being denied further aid until he or she completes 67 percent of attempted courses, as well as maintaining the required cumulative GPA within a CMU semester.

Students who reach their time limit without completing their degree will be denied further federal and most state and institutional financial aid as a student at that level. For example, if as an undergraduate you reach 150 attempted credits you will be placed in a warning status. Once you reach the 186-attempted-credit limit, you will be denied further aid until the degree is conferred. You then would regain eligibility for a second undergraduate or a graduate degree. If you are attempting a master's degree and reach the eligibility limit, you would be denied further aid until the master's degree is conferred, at which time you would regain eligibility for a second master's, doctoral, or professional degree.

Appeal Process

Students who have faced extraordinary circumstances may appeal a financial aid suspension, but students are cautioned that appeals are not routinely approved. All appeals must:

1. be submitted using the CMU Financial Aid Appeal form available on the CMU OSFA website
2. include the required documentation.
3. be submitted to the Office of Scholarships and Financial Aid

In most cases, a decision will be made within 15 business days of receiving an appeal letter and the appropriate documentation. Students are notified of appeal decisions through their CMU email account.

Continuing at CMU after aid is denied

Students denied financial aid generally may continue attending Central Michigan University using private aid sources such as alternative student loans (see http://www.studentlendinganalytics.com/alternative_loan_options.html) or by funding their education themselves. Please note that some alternative loans are NOT available to students while on financial aid suspension.

Please note the following:

Students who have faced extraordinary circumstances may appeal a financial aid suspension, but students are cautioned that appeals are not routinely approved. Circumstances not considered to be mitigating are: work conflicts; lack of transportation; change in major or pursuit of a second major; or a minor illness of a student or family member.

All appeals must:

- be submitted using the CMU Financial Aid Satisfactory Academic Progress Appeal form available on the CMU OSFA website;
- include the required documentation;
- be submitted to the Office of Scholarships and Financial Aid.

In most cases, a decision will be made within 15 business days of receiving an appeal letter and the appropriate documentation. Students are notified of appeal decisions in writing or through their CMU e-mail account.

Transfer students: Transfer students will be assigned within the maximum time frame, based on the number of credits accepted by CMU.

Repeated courses: Repeat courses for which a student previously received a passing grade will not count toward meeting the academic year new credits earned requirement.

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Courses with a grade of Incomplete do not count as credit earned or impact the GPA in the semester in which the course is taken; however, they are counted once they are completed. Based upon a student initiated appeal, and a mitigating circumstance, incomplete courses may be considered.

Withdrawn courses do not count as credit or impact the GPA.

Courses numbered below 100 will count toward determination of enrollment status and the academic year new credits earned requirement.

Undergraduate courses taken by graduate students do not normally earn graduate credit or impact the GPA. Undergraduate credits registered for by graduate students will not count toward determination of enrollment status and will not count toward meeting the academic year new credits earned requirement, unless said credits are determined to be a required prerequisite.

Withdrawing from or never attending classes. If you are a financial aid recipient and you drop some of your classes during the drop/add period (or indicate you never attended some of your classes), you may lose some or all of your financial aid eligibility. Before withdrawing, we suggest you speak with a financial aid counselor. Your enrollment status for financial aid purposes is determined as of the 9th day of classes each semester **or term (based on file close)** for **Global Campus students**.

If you are a financial aid recipient and you drop all of your classes prior to start of the semester (or indicate you never attended), you are no longer eligible for financial aid for that semester. All scholarship, grant and loan payments (and refunds of financial aid) must be returned to Central Michigan University.

If you are a federal financial aid recipient and you completely withdraw from all your classes after the beginning of the semester, the law requires that the amount of federal aid earned up to that point is determined by a specific formula. If you receive more federal aid than you have earned, the excess aid must be returned. The amount of federal aid you have earned is determined on a pro-rata basis. That is, if you completed 30 percent of the semester, you earn 30 percent of the federal aid you received. Once you have completed more than 60 percent of the semester, you earn all of your federal aid. If you are a recipient of University funds and you completely withdraw from all of your classes after the beginning of the semester, your funds will be reduced by the percentage of tuition refunded. Please see additional information at: https://www.cmich.edu/fas/fsr/student_acct_university_billing/Pages/Withdrawal-Information.aspx.

In accordance with federal and state regulations, the financial aid office must also monitor your academic progress at the end of each semester. If you withdraw from any of your classes, this may cause you to be in unsatisfactory academic progress for financial aid purposes. Students not making satisfactory progress may lose financial aid eligibility for future semesters. Reinstatement of financial aid may be considered by filing a Satisfactory Progress Appeal form.

Failing Grades (E and NC). Instructors of any course in which a failing grade is assigned are required to provide the last date you attended the class or that you never attended the class. If the instructor verifies that the final exam was taken, no adjustment will be made to your financial aid for that semester. If the instructor indicates that you never attended the class, the OSFA will review your enrollment status and your eligibility for financial aid may be adjusted if you fall below fulltime, three-quarter time, half-time or less-than-half-time status.

Financial Aid Award Programs

Grants

Federal Pell Grant

Students apply for a Federal Pell Grant by filing a Free Application for Federal Student Aid (FAFSA) or a Renewal FAFSA.

Methods of Selection of Recipients and Allocation of Awards. The Pell Grant Program is an entitlement program. The applicant must be enrolled as a first degree undergraduate student in an approved postsecondary institution and must show financial need as determined by Federal Methodology, a formula applied to all applicants. Pell Grant lifetime eligibility is limited to the full-time equivalence of 12 semesters.

Award Schedule. The amount of the award will be determined by the expected family contribution (EFC) and enrollment status at time of the Pell Grant disbursement.

Pell Grants will be adjusted after file close based on your actual enrollment (e.g., full-time, three-quarter time; half-time, less than half-time).

The data from your Renewal FAFSA or FAFSA must show that you are eligible to receive a Pell Grant and must be received by the OSFA prior to the last day of enrollment for each semester or within 60 days after the end of the semester if you were selected for verification. Pell Grants paid after the semester is over will be based on number of hours earned.

TEACH Grant

Central Michigan University participates in the U. S. Department of Education's TEACH Grant Program, which was implemented during the 2008-2009 academic year.

Note: You should consider this source of aid as a grant that has a high potential of turning into a LOAN. If you are not already committed to teaching a high-need subject in a school serving low-income students, you should not consider this as a possible source of aid. It is estimated that only 20 percent of students who participate in the TEACH Grant Program will be able to use the funds as grants, while many students will see their funds converted to loans with accumulated interest.

A student who receives \$16,000 in TEACH Grants who fails to fulfill the terms of the Agreement to Serve and Promise to Pay (ATS) will incur substantial indebtedness. On a 10-year term, the monthly payments would be \$315.60 for a cumulative payment of \$37,871.

Amount of Grant

The TEACH Grant Program will provide up to \$4,000 per year (\$16,000 total for four-year undergraduate programs; \$8,000 total for graduate studies) in grants to students who plan to teach full-time in high-need subject areas at schools that serve students from low-income families. Grants will be prorated for part-time enrollment.

Under the Budget Control Act of 2011, additional sequester funding reductions took effect October 1, 2013. The sequester changes the percentage by which TEACH grants must be reduced. TEACH grant awards where the first disbursement is made on or after October 1, 2016 must be reduced by 6.90% from the original statutory amounts.

Teaching Obligation

In exchange for receiving a TEACH Grant, you must agree to serve as a full-time teacher in a high-need field in a public or private elementary or secondary school that serves low-income students (see below for more information on high-need fields and schools serving low-income students). As a recipient of a TEACH Grant, you must teach for at least four academic years within eight calendar years of completing the program of study for which you received a TEACH Grant. **IMPORTANT:** If you fail to complete this service obligation, all amounts of the TEACH Grants that you received will be converted to a Federal Direct Unsubsidized Stafford Loan. You must then repay this loan to the U.S. Department of Education. You will be charged interest from the date the grant(s) was disbursed.

Student Eligibility Requirements

At Central Michigan University you must:

- Complete the Free Application for Federal Student Aid (FAFSA), although you do not have to demonstrate financial need
- Be a U.S. citizen or eligible non-citizen
- Be accepted into the undergraduate Teacher Education program or into the College of Graduate Studies Master of Arts in Special Education program and have a signed elementary or secondary education major or minor in a high-need subject
- Have a cumulative GPA of at least 3.25 and maintain that GPA throughout your academic program (or score above the 75th percentile on a national standardized college admissions test)
- Complete TEACH Grant counseling each year at <https://teach-ats.ed.gov/ats/index.action>.
- Sign a TEACH Grant Agreement to Serve and Promise to Pay each year at <https://teach-ats.ed.gov/ats/index.action>.
- Complete a TEACH Grant Checklist each year available from Education and Human Services (EHS) Center for Student Services
- Undergraduate students are eligible only if they are pursuing their first undergraduate degree. Students pursuing a second undergraduate degree, teachers working on teacher certification and graduate students who have a "conditional admission" status are NOT eligible for the TEACH Grant. Graduate students are eligible only if they are pursuing a Master of Arts in Special Education or a Master of Arts in Reading and Literacy degree.
- **NOTE:** CMU has determined the following major is NOT eligible for a TEACH Grant because students will be unable to fulfill the teaching requirements:
- B.S. in Education - Elementary Provisional Certification students who do not have a high-need field major or minor

High-Need Field

High-need fields are the specific subject areas identified below:

- Bilingual Education and English Language Acquisition.
- Foreign Language
- Mathematics
- Reading Specialist
- Science
- Special Education

Other identified teacher shortage areas as of the time you begin teaching in that field. These are teacher subject shortage areas (not geographic areas) that are listed in the Department of Education's Annual Teacher Shortage Area Nationwide Listing at <http://www.ed.gov/about/offices/list/ope/pol/tsa.doc>.

Schools Serving Low-Income Students

Schools serving low-income students include any elementary or secondary school that is listed in the Department of Education's Annual Directory of Designated Low-Income Schools for Teacher Cancellation Benefits at <https://www.tcli.ed.gov/CBSWebApp/tcli/TCLIPubSchoolSearch.jsp>.

Teach Grant Agreement to Serve

Each year you receive a TEACH Grant, you must sign a TEACH Grant Agreement to Serve and Promise to Pay (service agreement), which will be available electronically on a Department of Education Web site. The TEACH Grant Agreement to Serve specifies the conditions under which the grant will be awarded, the teaching service requirements, and includes an acknowledgment by you that you understand that if you do not meet the teaching service requirements you must repay the grant as a Federal Direct Unsubsidized Loan, with interest accrued from the date the grant funds were disbursed. Specifically, the TEACH Grant Agreement to Serve will provide that:

- For each TEACH Grant-eligible program for which you received TEACH Grant funds, you must serve as a full-time teacher for a total of at least four academic years within eight calendar years after you completed or withdrew from the academic program for which you received the TEACH Grant.
- You must perform the teaching service as a highly-qualified teacher at a low-income school. The term highly-qualified teacher is defined in section 9101(23) of the Elementary and Secondary Education Act of 1965 or in section 602(10) of the Individuals With Disabilities Education Act.
- Your teaching service must be in a high-need field.
- You must comply with any other requirements that the Department of Education determines to be necessary.
- If you do not complete the required teaching service obligation, TEACH Grant funds you received will be converted to a Federal Direct Unsubsidized Stafford Loan that you must repay, with interest charged from the date of each TEACH Grant disbursement. If the grant is converted to a loan, it cannot be converted back to a grant.

To apply:

Students who are interested in receiving a TEACH Grant must complete the Free Application for Federal Student Aid (FAFSA) every year. To initiate application for the TEACH Grant, students must contact the Center for Student Services, College of Education and Human Services, EHS Building 421, Central Michigan University (989) 774-3309.

Loans

Students must complete the Free Application for Federal Student Aid to be considered for any of the following federal loans:

- Federal Direct Subsidized Student Loan
- Federal Direct Unsubsidized Student Loan
- Federal PLUS (Federal Direct Parent Loan for Undergraduate Students)
- Federal Graduate PLUS (Federal Loans for Graduate Students)

Federal Stafford Direct Loan Program

Under this program students borrow money directly from the federal government without going through a private lender. Students do not have to complete a separate loan application and all loans may be consolidated under one Direct Loan servicer. Loan proceeds are deposited directly into student accounts each semester. Repayment of the loan principal begins six months after the student is no longer attending school on at least a half-time basis.

Enrollment criteria: Students must be enrolled at least half time: undergraduate (6 credit hours per semester); graduate students (5 credit hours per semester)

- **Federal Direct Subsidized Student Loan:** "Subsidized" means the federal government pays the interest on undergraduate loans while the student is enrolled in school and during deferments (postponements of repayment). Undergraduate students must show financial need to receive this type of loan. Effective July 1, 2013 subsidized loan eligibility is limited to undergraduate students up to 150% of the program length. This means undergraduate students enrolled in a 4 year program, who are eligible for a subsidized loan, may receive this loan up to six years. More information on this rule can be found at <https://ifap.ed.gov/eannouncements/attachments/051613DirectSubsidizedLoanLimit150PercentAnnounce1Attach.pdf>. For the most recent information on the interest rate for this loan refer to the Federal Student Aid website at: <https://studentaid.ed.gov/sa/types/loans>.

- **Federal Direct Unsubsidized Student Loan:** "Unsubsidized" means the federal government does not pay the interest while the undergraduate or graduate student is in school, during the grace period or in deferment. Undergraduate and graduate students qualify for an unsubsidized loan regardless of financial need. Students are responsible to pay the interest on this loan quarterly or may choose to capitalize the interest. For the most recent information on the interest rate for this loan refer to the Federal Student Aid website at: <https://studentaid.ed.gov/sa/types/loans>.

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Federal Direct Loan Limits
Maximum Loan Amount for a Full Academic Year

Credit Hours Earned	Dependent Student	Independent Student
Fresh (0-25)	\$3,500+\$2,000	\$3,500+\$6,000=\$9,500
Soph (26-55)	\$4,500+\$2,000	\$4,500+\$6,000=\$10,500
Junior (56-85)	\$5,500+\$2,000	\$5,500+\$7,000=\$12,500
Senior (86+)	\$5,500+\$2,000	\$5,500+\$7,000=\$12,500
Grad/Prof	N/A	\$20,500

Note: Your loan limit cannot exceed your cost of attendance minus other financial aid you receive.

Cumulative Limits

Subsidized (Need-Based) Loans:

Undergraduate Study \$23,000
 Graduate Study,
 Including loans for Undergraduate Study \$65.500

Subsidized Loans plus Unsubsidized (Non-Need) Loans:

Dependent Undergraduate Student \$23,000
 Independent Undergraduate Student \$46,000
 Graduate or Professional Student,
 including loans for Undergraduate Study \$138,500

Note: The loan limits cannot exceed the budget minus other financial aid you receive.

• **Federal PLUS Loan (Federal Direct Parent Loan for Undergraduate Students):** These loans are non-need-based loans for parents with good credit histories who want to borrow for their dependent students. Under this program, parents can borrow up to the total cost of education minus other expected financial assistance. Parents may choose one of two repayment options: (1) defer payments on a PLUS loan until six months after the date the student ceases to be enrolled at least half time, pay accruing interest monthly or quarterly, or allow interest to be capitalized quarterly, or (2) begin repaying both principal and interest while the student is in school. Interest begins to accumulate at the time the first disbursement is made. Repayment begins within 60 days after the second disbursement of the loan. For the most recent information on the interest rate for this loan refer to the Federal Student Aid website at: <https://studentaid.ed.gov/sa/types/loans>.

• **Federal Graduate PLUS (Federal Loans for Graduate Students):** The PLUS Loan program has been modified to allow graduate students to borrow a PLUS loan. This program is for students in graduate level programs only. Students must file the FAFSA to be considered for a Grad PLUS. The OSFA must determine any unsubsidized eligibility before a Graduate PLUS loan can be processed. This loan is a non-need loan for students with good credit histories. Applicants may borrow up to the cost of attendance minus other financial assistance. Students will receive an automatic deferment while enrolled at least half-time. The Grad PLUS is not a subsidized loan; consequently, interest will accrue beginning with the first disbursement of the loan. For the most recent information on the interest rate for this loan refer to the Federal Student Aid website at: <https://studentaid.ed.gov/sa/types/loans>.

Processing Your Federal Direct Loan(s)

All documentation (e.g., verification documentation) required to process your loan(s) must be submitted by the following dates:

November 1 Fall Semester loan
 March 15 Spring Semester or Fall/Spring academic year loan
 June 1 Summer Semester loan

Important Info for Student Loan Borrowers

Two federal loan programs could drastically reduce your monthly student loan payments, and provide loan forgiveness. If you go to <http://www.IBRInfo.org>, you can get more information about those programs and sign up for email updates. That way when repayment begins, you'll already know your options and won't have to go digging for this article.

One of the federal programs is *Income-Based Repayment*. It will cap monthly payments at a reasonable percentage of income for borrowers with heavy debt burdens or low incomes, and forgive any remaining debt after 25 years. This means that if you're underpaid, underemployed, or unable to work due to illness, your student loan payments won't break the bank, and could be as low as \$0 a month. The program covers almost all federal loans made to undergraduate and graduate students.

The other program is *Public Service Loan Forgiveness*. If you are considering a career in public service, such as working for the government, as a public school teacher, or for a nonprofit organization, you might qualify for this program. It forgives remaining federal student loan debt after 10 years of qualifying payments and employment. This means that you can afford to take a job helping others, even if it doesn't pay well and you have a lot of debt. If you plan to go to graduate school or have debt from graduate school, Public Service Loan Forgiveness could save you thousands of dollars.

More information about both programs, including Frequently Asked Questions and a calculator that estimates your monthly payments, is available at <http://www.IBRInfo.org>.

Indian Tuition Waiver

A state resident who is an enrolled member of a U.S. Federally recognized tribe and is enrolled in a degree-granting program is eligible for free tuition at CMU. Applications are available from the Michigan Department of Civil Rights at the following web address: http://www.michigan.gov/documents/mdcr/MITWAppFinal-4-28-2016_523096_7.pdf.

Bureau of Indian Affairs Grant

Grants are available from certain tribes to assist students with their educational expenses at postsecondary institutions. Grants are need-based, and the tribe determines award amounts. Students must complete a FAFSA and a tribal application.

Military and Veteran Information

For more information, see the Military and Veteran Services section (see index for page number).

CMU Global Campus Scholarship Program

CMU Global Campus Scholarships open each year in April for admitted students taking classes in the upcoming academic year beginning with the Fall semester. The number of scholarships and the amount awarded varies each year based on the availability of funds. Applications are open through the end of May only. Find out more at: <https://www.cmich.edu/global/finances/Pages/scholarships.aspx>.

Scholarship applicants who are receiving or plan to receive Federal Financial Aid by application through the Free Application for Federal Student Aid (FAFSA) should be advised that receipt of a scholarship will affect any federal aid eligibility that has already been packaged and/or disbursed or federal aid eligibility that will be packaged for the semester(s) in which the scholarship award is made. Federal Direct Student Loans are considered federal financial aid. For details, contact the Global Campus Financial Aid Office at globalfa@cmich.edu or 1-800-664-2681, option #2.

Endowed Scholarships and Awards

Betty A. Brubaker Family of Heroes Scholarship

Established in 2014 by Steven A. Rellinger '85, '96, family and friends in honor of his mother, Betty A. Brubaker and also John Sheets, Don Rellinger and Herman Wright, members of the United States Military. Income from the endowment will support an award for currently enrolled CMU students that are personnel of the U.S. Armed Forces, National Guard, reserves, or honorably discharged veterans, and/or their respective family members. The recipient(s) must be eligible for Veterans Administration (VA) educational entitlement under chapters 30, 31, 33, 35, 1606 or 1607 and provide a copy of his or her VA Certificate of Eligibility. Recipients also must have a cumulative minimum GPA of 2.5 for undergraduate students and 3.0 for graduate students.

Blanche Connell Scholarship

Established in 1988 by Southeastern Michigan Hospital Purchasing Management, Inc., in honor of Blanche Connell, for a CMU Global Campus student pursuing a Master of Science in Administration degree with a concentration in Health Services Administration. Applicants must have successfully completed a minimum of nine credit hours and earned a minimum GPA of 3.0. Preference is given to residents of the seven (7) county area of southeastern Michigan including Lapeer, Macomb, Monroe, Oakland, St. Clair, Washtenaw, and Wayne.

Joyce and Gary DeWitt Endowed Scholarship

Established by the DeWitt family in 2007 for students pursuing a graduate or undergraduate degree through Central Michigan University's Global Campus. Applicants must have successfully completed a minimum of twelve (12) credit hours and have earned a minimum GPA of 3.0. Recipient must be enrolled in a minimum of two courses during the year the scholarship is awarded. Preference will be given to students who are residents of the greater Grand Rapids/Holland, Michigan area.

William R. Gemma Memorial Scholarship

Established in 1999 in memory of CMU associate professor William R. Gemma, Ph.D., for Global Campus graduate students pursuing a degree in Health Services Administration, International Administration, or Public Administration. Student must have a minimum GPA of 3.5 and provide evidence that they have provided service to their profession and/or community.

General Dynamics Land Systems Military Scholarship

Established in 2008 by General Dynamics Land Systems in honor of members of the United States military. Applicant must be active duty personnel of the U.S. Armed Forces or immediate family member pursuing a doctoral, master's, or bachelor's degree through CMU's Global Campus. Applicants must have successfully completed a minimum of six credit hours with CMU and earned a minimum GPA of 3.0.

Global Campus Endowed Scholarship

Established in 2001 by alumni and friends of CMU's Global Campus for students pursuing a graduate or undergraduate degree. Applicants must have a minimum GPA of 3.0. Preference will be given to applicants who are single parents and/or unemployed.

Grand Traverse Alumni Chapter Scholarship

Established in 1992 through funds raised by alumni and friends in Grand Traverse County for undergraduate on-campus students and undergraduate or graduate Global Campus students (Traverse City Center) with demonstrated financial need. Students will be selected from five counties: Antrim, Benzie, Grand Traverse, Kalkaska and Leelanau counties.

Dr. Jay and Diana Griesser Endowed Scholarship

Established in 2009 by Dr. Jay Griesser, a long-time CMU Global Campus adjunct professor, and wife Diana, in honor of members of the United States Military and Federal Service Employees. Applicants must be enrolled in an online program through CMU's Global Campus with preference given to students enrolled in a program leading toward a graduate degree in Business or Information Technology. Applicants must have completed at least six (6) credit hours and earned a minimum 3.4 GPA. Eligibility is limited to active-duty U.S. military personnel and members of their immediate family, U.S. military personnel serving in active reserve status, and U.S. federal service employees.

Shirley L. Gross-Moore Endowed Award

Established in 2010 by Shirley L. Gross-Moore ('81) for Global Campus undergraduate students who have graduated from one of the following Detroit Michigan Public High Schools: Cass Tech, Cooley, Cody, Central, Denby, Finney, Henry Ford, Kettering, Mumford, Northern, Northwestern, or Southeastern. Preference will be given to first semester students.

Helen L. Hodes Scholarship Award

Established in 2015 by Russell '78 and Barbara Scaffede in honor of Barbara's mother, Helen L. Hodes, '43 an early elementary teacher. Income from the endowment will support a renewable award for a student enrolled in CMU Global Campus who has an interest in the study of education and is a State of Michigan resident.

Michigan Community College Academic Achievement Award

Established in 2010 for Global Campus undergraduate students who have earned an associate's degree with a minimum cumulative GPA of 3.0 from a Higher Learning Commission accredited community college located in Michigan. Applicants must be geographically bound for professional or personal reasons and reside in a Michigan county that has no public residential four-year university or reside more than 30 miles from a four-year public residential university in Michigan.

Morris Family CMU Endowed Scholarship

Established in 2009 by Laurie and Michael J. Morris '80, '93. Income from the endowment will equally support three awards for students enrolled in the College of Business Administration, College of Communication and Fine Arts and for students enrolled in a masters program with Global Campus Programs. On Campus students must have successfully maintained a 3.2 GPA. Documentation will need to be provided to support a GPA of 3.2 was achieved in high school if an incoming freshman is an applicant. The recipient of the Global Campus scholarship must be pursuing a master's degree and must have received an undergraduate degree from CMU. It is the intent of the Morris Family that this scholarship not apply solely to the financially disadvantaged as defined by Federal and/or State of Michigan guidelines.

Kathleen M. and Lawrence J. Oswald Endowed Scholarship

Established in 2005 by Kathleen M. ('79) and Lawrence J. Oswald for Global Campus students residing in Southeast Michigan. Applicants must have successfully completed a minimum of twelve (12) credit hours (undergraduate) or nine (9) credit hours (graduate) and have earned a minimum GPA of 3.0. Preference will be given to single parents.

Kenneth and Jane Rogers Endowed Scholarship

Established in 2007 by Kenneth '96, '06 and Jane Rogers. Income from this endowment will support a renewable scholarship for a student enrolled in Global Campus or Global Campus Online Programs pursuing a bachelor of science degree with a minimum GPA of 2.5. Recipient will be a single parent or from a single parent family who is a resident of Southeast Michigan.

(continued)

Annual Awards

Global Campus Staff and Faculty Award

Established in 2011, this award is funded by gifts from CMU's Global Campus staff and faculty members for the purpose of assisting students with the cost of tuition. Applicants must be pursuing a degree through CMU's Global Campus. Preference given to students admitted to or enrolled in their first semester.

Joseph Cooley High Ebenezer Scholarship

Established in 2015 by Joseph Cooley High '87. Income from the annual award will support a student accepted or enrolled in CMU Global Campus and who has an interest in the study of business, and who has a minimum GPA of 2.8. Preference will be given to assist first generation college students who have a history of supporting minority causes, who have graduated from an historical black college, and to single parents.

The Joan M. and Clarence E. Mills Annual Award

Established in 2011 by Joan M. and Clarence E. Mills for Global Campus students pursuing a bachelor's degree and are in their junior year or higher (56+ earned credit hours). Applicants must have earned a minimum GPA of 3.0 and must be employed full time by a publically-held electric utility.

Yvonne Robertson Price Annual Award

Established in 2012 for Global Campus students pursuing a degree leading toward a career in education. Applicants must be earning a minimum GPA of 2.5 for an undergraduate student or 3.0 for a graduate or doctoral student. First year students are eligible to apply providing they offer evidence of earning the minimum GPA while earning their high school diploma or highest degree earned. Preference will be given to students who have a history of supporting minority causes.

U.S. Armed Forces Award

Established in 2008 to honor severely injured military personnel, the spouse of a severely injured service member or veteran who has been honorably discharged within the last 4 years. Applicants must be current military personnel, veterans, or the spouse of such, who have incurred injuries while serving in combat on behalf of the United States, or veterans who have been honorably discharged within the last 4 years. Applicants must be new or returning Global Campus student and have a minimum GPA of 2.7.

U.S. Armed Forces Textbook Award

Beginning with the Fall, 2009 semester, active duty U.S. military personnel in pay grades E-1 through E-9, W-1 through W-4, and O-1 through O-3, and their immediate family members enrolled in a graduate or undergraduate degree program through CMU's Global Campus, are eligible to apply for financial assistance to purchase textbooks. Awards may not exceed \$250 per semester with a life-time maximum of \$500 per service member family. Applicants must have successfully completed six (6) credit hours through CMU's Global Campus and have a minimum GPA of 3.0.



Military and Veteran Services

CMU has been a leader and innovator in bringing quality programs to our military men and women since 1972. All of our programs, whether onsite or online, are career-focused plans to a more secure future in the military, or in civilian life after service. CMU has been a long standing partner in Air Force education and supports the concept of the "Life Long Learner." CMU has been a partner in military education for the past 44 years and has been consistently recognized as a top 20 military friendly school by Advanced Military Education.

Veterans' Resource Center

The Veterans' Resource Center (VRC) serves students who are veterans, spouses, dependents or military students. VRC staff will help students get the most out of their CMU experience, build academic and social networks, and receive assistance with their educational benefits, including those applicable to spouses and dependents. Hours of operation are Monday through Friday, 8 a.m.-5 p.m. or by appointment. The Veterans' Resource Center is located in Warriner Hall 114 and may be reached at 989-774-7991 or veterans@cmich.edu.

Specific information regarding Veterans' Certification can be found at: <https://www.cmich.edu/veterans>.

Servicemember's Opportunity College

Central Michigan University recognizes the unique nature of the military lifestyle and is committed to ensuring the transfer of relevant credits, scheduling courses at convenient times and locations and providing credit opportunities for prior learning experiences and military education relevant to the degree. SOC is cosponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Communication Colleges (AACC) in cooperation with 13 other educational associations, the Military Services, the National Guard, and the Coast Guard. SOC is funded by the Department of Defense (DoD) through a contact with AASCU.

Application Fee

All U.S. military veterans, active duty, and reserve service members are eligible to have their application fee to CMU waived. To receive the waiver, the individual must provide one of the following to CMU at the time of application:

- DD-214 form verifying service
- Service verification letter from base command indicating current duty station
- VA Certificate of Eligibility (CoE)
- Active military ID if you are applying in person at a CMU center

Resident Tuition

Unless otherwise qualified for the military discounted tuition rates, the following individuals shall be charged the in-state tuition:

Any individual using educational assistance under either Chapter 30 (Montgomery GI Bill® – Active Duty Program), Chapter 33 (Post-9/11 GI Bill®) (to include the Marine Gunnery Sergeant John David Fry Scholarship [38 U.S.C. § 3311 (b) (9) or 3319], of title 38, United States Code), Chapter 35 (Dependents Education Assistance Program), Chapter 1606 (Montgomery GI Bill® - Selected Reserve) who lives in the State of Michigan while attending Central Michigan University (regardless of his/her formal state of residence). The in-state tuition rate shall be applicable so long as the student is continuously enrolled.

Please see <http://www.benefits.va.gov/gibill/417.asp> for additional information on GI Bill® resident rate requirements.

Covered Individuals (includes Veterans, current military personnel, and family members), eligible for VA education entitlement must provide a copy of the VA Certificate of Eligibility (COE) letter verifying approval of VA educational entitlement.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at www.benefits.va.gov/gibill.

Military Discounted Tuition Rates

Listed below are the base Military tuition rates per credit hour for which academic credit is awarded. The President or designee may vary these tuition rates and fees according to cohorts, programs, locations, or terms of contracts.

Undergraduate, Military	290.00
Graduate, Military	343.00
<i>Master of Business Administration - Online</i>	
Active Military	575.00

Notes:

Military Rates are applicable to programs that do not exceed the standard undergraduate and graduate rates. However, the graduate military rate is also applicable to the Master of Science in Nutrition and Dietetics program.

Qualifying Categories for Military Discounted Tuition Rate

Active duty members, reservists or guard members currently serving in a branch of the United States military, which includes the U.S. Air Force, Army, Navy, Marine Corps and Coast Guard or the spouse or dependent child(ren) of military members. Eligibility for family members includes (a) those that qualify under the existing IRS definition of a qualifying dependent and/or (b) possess a current military benefits identification card (excludes military retirees).

Individuals must submit documentation verifying their eligibility for the Military discounted tuition rate. If not already on file with Central Michigan University, acceptable means of verification include:

1. Present your active duty or active duty dependent military ID to your nearest CMU education center.
2. Alternatively, active military members including eligible family members, reservists or guard members may submit a verification letter from the military members command reflecting their status as well as their end of service date.

(continued)

Veteran Award

Consideration for the Central Michigan University Veteran Award is available to honorably discharged veterans from the U.S. Military Service who have regular admission as an undergraduate or graduate in one of CMU's on-campus, off-campus, or online standard degree programs.

Applicant Requirements:

- Complete the Veteran Award Application: <https://www.cmich.edu/veterans/Pages/Veteran-Award.aspx>.
- Provide a copy of your DD-214 member-4 copy verifying honorable discharge or, documentation from the U.S. Department of Veteran's Affairs indicating eligibility for educational benefits. Do not email documents.
- File the 2017-18 Free Application for Federal Student Aid (FAFSA).
- Undergraduates must be enrolled in a minimum of 9 credit hours per semester.
- Graduates must be enrolled in a minimum of 6 credit hours per semester.

Due Dates for Fall and Spring semesters

- November 1 for Fall only enrollment.
- March 1 for Fall and Spring enrollment.
- The Summer Veteran Award Application will be available March 2018.

Awarding Criteria

The CMU Veteran Award is a need-based award for eligible veterans admitted to CMU after August 16, 2016. Current students who are already receiving the veteran's tuition rate are not eligible for this award. Eligibility is based on the students Expected Family Contribution (EFC) from the 2017-2018 Free Application for Federal Student Aid (FAFSA). Applications will not be considered if the FAFSA is not on file with CMU's Financial Aid Office. The amount of an award will vary dependent on student EFC and grade level. Students must maintain enrollment requirements each semester to retain the award:

- For an undergraduate this is 9 credit hours per semester.
- For a graduate this is 6 credit hours per semester.
- Enrollment will be verified at the time of awarding.

Awards made for two semesters are subject to adjustment based on changes in credit hours enrolled. Dropping without tuition charges, after the award is credited to the student account, will result in the reversal of the award for the semester. This may result in a bill back to your student account. Withdrawal from classes during the semester will result in the loss of eligibility for the Veteran Award in the subsequent semester. Students must meet the Satisfactory Academic Progress (SAP) standards for Federal Student Financial Aid regardless of whether or not financial aid is being used.

Veterans' Educational Benefits

A student who is a veteran, a member of the armed forces, or spouse or dependent of a veteran or current service member may be entitled to educational benefits through the United States Department of Veterans Affairs (VA). Eligibility for such benefits is determined by VA.

VA strictly enforces policies governing enrollment certification and payment of veterans' educational benefits. Students receiving VA educational benefits need to be aware of the following information that will affect receipt of benefits while enrolled at Central Michigan University.

Audit Grades. Enrollment certification is prohibited for audited courses.

Eligible Courses. Only courses that count toward completion of a student's stated educational objectives may be certified with VA. To ensure compliance with this VA regulation:

- Main Campus undergraduate students must officially declare a major upon earning 56 credit hours.

- Global Campus undergraduate students must consult with their academic advisor upon admission to CMU and develop an appropriate program plan.
- All graduate students must consult with their academic advisor upon admission to CMU and develop an appropriate program plan.

Note: Students changing or adding a degree or certificate program as a dual objective must execute a new program plan. As part of the new program plan (change) process, students utilizing VA educational benefits must have their completed coursework re-evaluated by his/her advisor to ensure previously completed courses are appropriately included in the student's revised program plan. Students are also advised that any change in degree or certificate program requires the student to submit a formal application.

Enrollment Certification Request. Students approved for GI Bill® Educational Benefits and wishing to receive those benefits at CMU must submit a Central Michigan University GI Bill® Enrollment Certification Request (ECR) form EACH SEMESTER. For the student's convenience, this form is online at <http://www.cmich.edu/veterans/ECR>.

- ECRs for students taking Michigan and/or online courses will be processed by staff in Mt. Pleasant, Michigan. For more information, please visit www.cmich.edu/veterans/ECR.
- ECRs for students taking non-Michigan courses will be processed at the student's local program center. For U.S. center locations, please visit: <http://global.cmich.edu/locations>.

Enrollment Changes. Students must promptly notify their School Certifying Official of any schedule changes (i.e., dropping, adding, or withdrawing from a course).

Incomplete (I) and Deferred (Z) Grades. An incomplete or deferred is considered nonpunitive and must be converted to a punitive grade within one year. VA will be notified at the end of the term of nonpunitive grades; repayment of benefits may be required.

Prior Learning Credit. VA will not reimburse students for the cost of prior learning assessment credit.

Repeat Courses. Only courses that are failed or for which the grade does not meet minimum requirements for graduation may be certified with VA if they are repeated.

Satisfactory Academic Progress. Students must maintain satisfactory progress according to published standards established and enforced by the University. Federal regulations mandate that benefits be discontinued when satisfactory progress has ceased. Accordingly, CMU must discontinue certification of enrollment and inform VA. Students have a right to appeal the termination of benefits with VA. For additional information, see the Satisfactory Academic Progress in the Financial Aid Section of the Bulletin.

Transfer Credit. Students must provide CMU with an official transcript from all previous institutions attended. If this requirement is not met during the student's first term of enrollment, CMU will not certify enrollment for any future terms. The student will receive a Transfer Credit Evaluation showing all previous credits approved for transfer to CMU.

To be considered for transfer credit students must provide an official Joint Service Transcript (JST) with the American Council on Education (ACE) Recommendation. CMU follows the ACE Recommendations as it relates to military experiences and training; to be considered for transfer, students should provide official transcripts or official documentation that includes an ACE Recommendation.

Federal Financial Aid for the Military Community

Federal Financial Aid and other educational assistance programs are available to service members, veterans, and other eligible family members to help cover the cost of tuition. The following is an overview of Title IV Federal Student Aid and benefit programs through the Departments of Veterans Affairs and Defense.

Title IV Federal Student Aid

What is the maximum amount of Federal grant and loan aid available to students under Title IV of the Higher Education Act of 1965 (Title IV)?

The Federal government offers a variety of grants and loans to students. The Federal Student Aid Gateway (<http://studentaid.ed.gov/>) provides detailed information about Title IV Federal Financial Aid programs and loans and how you can apply for these programs.

Grants and Scholarships are often referred to as "gift aid" because these programs provide students with financial aid that does not have to be repaid. Federal Grants and Scholarships (<http://studentaid.ed.gov/types/grants-scholarships>) including Federal Pell Grant, Teach Grant, Federal Supplemental Educational Opportunity Grants & the Iraq and Afghanistan Service Grants.

The Federal Direct Student Loan Program (<http://studentaid.ed.gov/types/loans>) provides students with subsidized and unsubsidized loans (<http://studentaid.ed.gov/types/loans/subsidized-unsubsidized>) based on a student's year in college as either a dependent or independent undergraduate or at the graduate degree level.

The amount (<http://studentaid.ed.gov/types/loans#how-much-money-can-i-borrow-in-federal-student-loans>) a student can borrow is determined by their grade level and prior student loan borrowing.

In addition to subsidized and unsubsidized loans some students may qualify for a Federal Direct PLUS loan (<http://studentaid.ed.gov/types/loans/plus>) based on the cost of attendance (<http://studentaid.ed.gov/fafsa/next-steps/how-calculated>).

How can you qualify for loans and other Title IV assistance?

The Free Application for Federal Student Aid or FAFSA (<http://studentaid.ed.gov/fafsa>) is required for the school to determine your eligibility for Title IV financial aid. Undergraduate dependency (<http://studentaid.ed.gov/fafsa/filling-out/dependency>) status for federal aid is determined by the questions on the FAFSA.

Title IV eligibility is automatically packaged by CMU, usually within 10 business days of receiving the FAFSA as long as there are no flags on student data. Once a student receives their award notification they have the option of declining all or part of the loan. Student may either use the Federal Student Loan Adjustment Form found on the Financial Aid Forms page <http://global.cmich.edu/financial-aid/forms.aspx> or contact the Global Campus Financial Aid Office via email at globalfa@cmich.edu.

Why may Title IV student loans be more favorable than private educational loans?

"Student loans can come from the federal government or from private sources such as a bank or financial institution. Loans made by the federal government, called federal student loans, usually offer borrowers lower interest rates and have more flexible repayment options than loans from banks or other private sources." See <http://studentaid.ed.gov/types/loans/federal-vs-private> to compare the terms and conditions of federal student loans and private lender loans.

CMU Withdrawal Information and Satisfactory Academic Progress

Refer to the CMU Withdrawal page for Return of Title IV Financial Aid Refund and Satisfactory Academic Progress Policy information:

https://www.cmich.edu/fas/fsr/student_acct_university_billing/Pages/Withdrawal-Information.aspx

Also refer to Military Drop/Withdrawal Refund Policy for exceptions.

Additional Information on Title IV Federal Financial Aid

Refer to the CMU Global Campus Financial Aid Manual (<http://global.cmich.edu/financial-aid/FinancialAidManual.pdf>) or contact GCFA via email at globalfa@cmich.edu or by phone at 1-800-664-2681, option #2.

A number of tools are available to assist you in understanding and evaluating your options as a student:

- **College Navigator** - <http://nces.ed.gov/collegenavigator/>
- **CMU Net Price Calculator** - <https://netconnect.cmich.edu/netpricecalculator/>
- **College Scorecard** - <https://collegescorecard.ed.gov/>
- **GI Bill® Comparison Tool** - <https://www.vets.gov/gi-bill-comparison-tool/>
- **FAFSA4caster** - https://fafsa.ed.gov/FAFSA/app/f4cForm?locale=en_EN
- **Paying for College** - <http://www.consumerfinance.gov/paying-for-college/>

Upon admission to CMU the Financial Aid Shopping Sheet is also available to students through Central Link.

Departments of Veterans Affairs and Defense

What types of education benefit programs are offered by the Departments of Veterans Affairs and Defense?

If you are currently serving in the military, you may be eligible for funding offered through the Department of Defense Tuition Assistance program (<http://www.benefits.va.gov/gibill/>).

- Check your eligibility status and the amount for which you qualify with your service prior to enrolling.
- If you served on active duty, you might be eligible for education benefits offered by the Department of Veterans Affairs. For example, the Post-9/11 GI Bill® (http://www.benefits.va.gov/gibill/post911_gibill.asp) provides financial support for educational and housing expenses to individuals with at least 90 days of aggregate service after September 10, 2001, or individuals discharged with a service-connected disability after 30 days.
- You must have received an honorable discharge to be eligible for the Post-9/11 GI Bill®.
- If you are the spouse or child of a service member who is serving on active duty Title 10 orders in the paygrades of E1-E5, O1-O2, or W1-W2, you may be eligible for financial assistance from the Department of Defense for education, training, and/or the occupational license and credentials necessary for a portable career.
- If you are the spouse or child of a service member, you may be eligible for transfer of the service member's Post-9/11 GI Bill® benefits to you.

Additional Information on Military Educational Benefits

- CMU Programs for the Military Community: <https://www.cmich.edu/global/military>
- CMU Veterans' Resource Center: <https://cmich.edu/veterans>

Transfer Credit for Military Training and Experience

- a. **Military service school experiences.** Granting of academic credit for military service school experiences will be guided by the evaluations prepared by the American Council on Education and published in the "Guide to the Evaluation of Educational Experiences in the Armed Services." All Military Service School experiences that are recommended for undergraduate level credit will transfer to Central Michigan University. Acceptability of credit for military service school experiences to fulfill CMU major or minor requirements is at the discretion of the individual department.
- b. **Military occupational specialties.** Granting of academic credit for military occupational specialties will be guided by the evaluations prepared by the American Council on Education and published in the "Guide to the Evaluation of Educational Experiences in the Armed Services." All Military Occupational Specialties that are recommended for undergraduate level credit will transfer to Central Michigan University. Acceptability of credit for military occupational specialties to fulfill CMU major or minor requirements is at the discretion of the individual department.
- c. **Servicemembers Opportunity Colleges (SOC) courses.** Undergraduate courses from another college or university that is recognized as a Service Member Opportunity College institution for either the army (SOCAD), navy (SOCNAV), or marine corps (SOCMAR) may transfer to Central Michigan University subject to the following conditions:
 1. transferable courses completed with a grade of C- or better or the equivalent must be accepted;
 2. grades and honor points or quality points are not transferable to or recorded on the CMU permanent record. The program plan is a record of all of the student's credit (including military experience) and where that learning fits into her or his program plan.

Army Tuition Assistance

The Army portal is exclusively the reference point for all enrollment, withdrawal and drop transactions in terms of Army tuition assistance.

Refund

Up to 12.5% of Course Completion	100%
12.501% to 25% of Course Completion	75%
25.001% to 50% of Course Completion	50%
50.001% and thereafter	0%

Re-Admissions

Military Service members whose enrollment is interrupted or precluded due to military service requirements will be promptly readmitted with the same academic status as he/she had when last attending and/or admitted to CMU.

- *Notification of military service.* The student (or an appropriate officer of the armed forces or official of the Department of Defense) must give oral or written notice of such service to the school as far in advance as is reasonable under the circumstances.
- *Notification of intent to return to school.* The student must also give oral or written notice of her intent to return to the school within three years after the completion of the period of service.

The cumulative length of the absence and of all previous absences from the school for military service may not exceed five years. Only the time the student spends actually performing service is counted.

To be readmitted to CMU Global Campus, students should submit an updated application; an application fee is not charged and any official transcripts previously submitted do not need to be resubmitted. Once readmitted and prior to registering, students should work with their Academic Advisor to update their program plan; this is to ensure they are registering for the correct courses.

Withdrawal To Enter Military Service

See the Index for the page number.

Military Drop/Withdrawal Refund Policy

Students who currently serve in the active duty military, guard units, the military reserve, and/or family members whose educational pursuits are interrupted by military orders or unforeseen military obligations must submit documentation verifying their eligibility for the military refund exception. If not already on file with Central Michigan University, acceptable means of verification include:

Present your active or dependent military identification to your nearest CMU education center along with a copy of official military orders indicating the specific time period and nature of the military service obligation; or alternatively,

Active military members including eligible family members, reservists or guard members may submit a verification letter from the military member's command reflecting their status of their military obligation and service dates.

Additional exceptions to the course refund policy shall be considered for military members whose military duties or responsibilities impair or prevent their ability to participate in class and complete the course requirements. Where possible, **exceptions must be requested prior to the last class session.** A copy of TDY orders or other appropriate confirmation of the assignment that precluded completion of the course must accompany the withdrawal exception request.

Student Short-Term Military Service Policy

Policy. Central Michigan University recognizes that those students who are actively serving in the Reserves or National Guard are required by their military contract to attend to military orders requiring mandatory training or serve at the request of the Governor of their state to respond to natural disasters or other occurrences in which the use of the National Guard is in the best interest of the state. Failure to attend these orders is punishable under law. The University therefore provides the following rights to students required by their military contract to respond to military orders through the Student Short-Term Military Service Policy.

Procedure. Central Michigan University will not penalize students for complying with mandatory military orders and will give the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for missed assignments or assessments in the event of a schedule or class conflict due to mandatory military orders. It is the responsibility of the student to inform the instructor at the earliest possible time of the existing schedule or class conflict.

Students are eligible for up to fifteen (15) days of short-term, military required absence per academic year with no more than ten (10) academic calendar days taken consecutively. Total absences, including travel, may not exceed 1/3 of the course meetings for any course.

Students may be granted additional absences to account for travel considerations, to be determined by the distance of the verified military service from the CMU campus where the student is registered, as follows: Within a 150 mile radius of campus or center: no additional excused absence days; Between a 150 - 300 mile radius of campus or center: one additional excused absence day; Beyond a 300 mile radius of the campus or center: two additional excused absence days; Outside the continental United States: four additional excused absence days.

A student must contact the office of the Associate Vice President for Student Affairs to request that a notice of the leave be sent to instructors as soon as he or she is informed of the dates of military service. The student must provide documentation of the mandatory military service in the form of orders or equivalent documents as proof of legitimate absence to the office of the AVP for Student Affairs as soon as these documents are available. When documentation is presented to the office of the AVP for Student Affairs a verified absence notification will be sent to the student's instructors.

With a verified absence notification for the office of the AVP of Student Affairs, instructors will not penalize the student for missing class and will provide the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for missed assignments or assessments or will negotiate with the student for additional time to complete assignments or alternative dates for required assessments.

Should a student not be satisfied with the agreed upon plan, he or she shall provide, within 10 days, a written statement to the instructor clearly explaining their objection and suggesting an alternative accommodation. If the instructor and student cannot expediently resolve this written objection, then the student may appeal for further review or consultation of his or her case to the Department Chair of the course or courses in question. In a case where grades are negatively affected, the student may follow the established grade appeals process.

In courses with extensive laboratory exercises, group projects, group performances, or participation requirements, equivalent exercises or assessments may not be possible as determined by the instructor and subject to review by the Dean of the college offering the course, or their designee. In such a case, the student may be eligible for retroactive withdrawal. The student should always consult with the instructor to determine the potential impact of any absence. Students should also contact Central Michigan University's Office of Scholarships and Financial Aid and the Veterans' Resource Center to determine if retroactive withdrawal has any impact on financial aid awards or Veteran Administration education benefits.

For a full copy of this policy (including procedures for faculty and information on available counseling), see *Policy 7-12* on the General Counsel website, https://www.cmich.edu/office_president/general_counsel/Pages/policies.aspx.

Release of Information

The University will only release non-directory information regarding the education progress of military members or other covered individuals utilizing Veterans Education Benefits/military tuition assistance upon proper authorization by the student. For additional information, refer to the Family Educational Rights and Privacy Act section of the Bulletin.

Endowed Scholarships and Awards

See the Scholarships and Financial Aid section for awards and scholarships specifically for students in the military.

Curriculum and Course Changes

See the Index for the page number.

CMU Online Courses

Those students applying veterans educational benefits toward tuition of a course should contact CMU's Veterans' Resource Center for information regarding certification and restrictions.

CMU Department of Military Science and ROTC

See the Undergraduate Bulletin for information.



Academic Policies

Classification of Students

A student is classified in accordance with the semester hours of credit earned as follows:

- Freshman - 1-25 semester hours of credit
- Sophomore - 26-55 semester hours of credit
- Junior - 56-85 semester hours of credit
- Senior - 86 or more semester hours of credit
- Graduate - After admission to CMU College of Graduate Studies

Classification is determined by the current Bulletin, not the issue in effect when the student was admitted.

Full-Time Status

The definition of full-time status for a regular semester is as follows:

- Undergraduate students: a minimum of 12 credits
- Graduate students: a minimum of 9 credits

Grading Systems

The university undertakes to evaluate the amount and to appraise the quality of work done by its students according to specified quantitative and qualitative standards. 1) The quantitative unit of credit is the semester hour. 2) The qualitative credit is the grade or rating used by the instructor to indicate an evaluation of the results accomplished. See the following sections for undergraduate and graduate standing.

An official "Grade" will be available to the student at the end of each class. Grades may take as long as one month to be available to the student after the end of the class. Students wishing to receive information about their grade(s) should consult their program center for instructions or access *CentralLink* to review their grades at <https://centrallink.cmich.edu> in the academic section, or provide their instructor with a self-addressed, stamped envelope or postcard.

Undergraduate

Grades	Significance	Honor Points Per Semester Hour
A	Superior	4.0
A-		3.7
B+		3.3
B		3.0
B-		2.7
C+		2.3
C		2.0
C-		1.7
D+		1.3
D		1.0
D-		0.7
E	Failing	0.0
CR	Credit	Not included
N	No Grade Submitted	in computing
NC	No Credit	hours and
I	Incomplete	points.
W	Withdrawal	
X	Audit	
Z	Deferred Grade	
H	Honors Program	
(Designates Honors Credit in combination with letter grade)		

Grade Point Average: The grade-point average for undergraduate students is found by dividing the total honor points earned by the total hours graded. See the GPA calculator at https://centrallink.cmich.edu/services/registrar_office/RegistrarRecords/RegistrarGPAcalculator/Pages/default.aspx.

Graduate

Credit and Points. The university uses specified quantitative and qualitative standards to appraise the quality of work done by its students.

Quantitative Unit. The quantitative unit of credit is the semester hour.

Qualitative Unit. The qualitative credit is the grade or rating used by the instructor to indicate an evaluation of the results accomplished. The work of the student in each course completed is rated in accordance with the following marking system.

A	4.0 points per semester hour	Superior
A-	3.7 points per semester hour	
B+	3.3 points per semester hour	
B	3.0 points per semester hour	
B-	2.7 points per semester hour	
C+	2.3 points per semester hour	
C	2.0 points per semester hour	
E	0.0 points ¹	Failing
CR	Credit ²	
NC	No Credit	Not included in
I	Incomplete	computing
N	No Grade Submitted	grade points or
W	Withdrawn	for graduation
X	Audit	credit
Z	Deferred Grade	

¹ Does not count toward graduate degree; does count in grade point average.

² Counts for graduation, but not in grade point average.

There is no grade of C- in the graduate marking system. When a C- grade is assigned to a graduate student, the Registrar's Office will convert the grade to an E before recording it on the student's permanent record. Courses in which the student earns or has earned a grade below C do not count toward meeting any graduate degree requirement, nor are they accepted, following the completion of the baccalaureate degree, for the removal of deficiencies. Particular programs may have more stringent grade requirements.

The grading system also applies to undergraduate courses taken for undergraduate or graduate credit by a student admitted to Graduate Studies at CMU.

Points. To compute the quality of work done, points are assigned to letter grades as indicated above for credits earned at the university.

Academic Schedule

Instruction offered by Global Campus is independent of the university's main campus academic calendar. Classes begin and end at varying times, depending on the needs of the students being served. Flexible scheduling includes extensive use of compressed schedules and mini-sessions which permit an instructor to subdivide a course into varying time blocks and to schedule a series of intensive study sessions. Course materials and books are made available to students well in advance of the beginning of classes to ensure adequate pre-class preparation time.

Class Attendance

Upon the assumption that class attendance is a responsibility shared by adults, as teachers and class members, there is no university-wide regulation requiring attendance by students or requiring the instructor to excuse absences from class or examinations. Individual instructors may establish their own class attendance regulations, but those that they do establish need to be reasonable and fairly applied.

Students must decide when, if ever, it is necessary to be absent. In making such a decision, students must bear in mind that faculty have the right to consider a student's attendance in class in assigning grades and may lower grades if the student's absence warrants this action.

If students find it necessary to be absent, an explanation should be made to the instructor of the class concerning the cause of the absence. Whenever possible students should notify the instructor in advance of the proposed class absences. The instructor may choose to guide the student in making up work losses due to absences if the student requests such assistance.

Religious Holidays

It is Central Michigan University policy to permit students to be absent from classes or examinations for reason of observing religious holidays. Students are allowed to make up course requirements when they are unable to avoid a conflict between their academic and their religious obligations. Absence from classes or examinations caused by observing religious holidays does not relieve students from responsibility for any part of the coursework required during the period of absence. It is the obligation of students to provide faculty with written notice of the religious holiday they will be observing and the date on which they will be absent at least two weeks prior to the date of the religious holiday. Students who miss classes or are absent on days of examinations or class assignments shall be offered an opportunity to make up the work, without penalty, unless it can be demonstrated that a makeup opportunity would interfere unreasonably with the delivery of the course. Should disagreement arise over any aspect of this policy, the parties involved should contact the Ombuds Officer for Global Campus. Final appeals will be resolved by the Provost.

Student Bereavement Policy

Policy. It is the policy of CMU to allow appropriate support to students in the event of a death of a student's loved one, including but not limited to time off and other support as defined in the Procedure included below.

Procedure. As soon as practicable after learning of the death of a family member, students should notify the Office of Student Affairs (989-774-3346, or studentaffairs@cmich.edu) of the passing. It is important that documentation of the passing (e.g., obituary; service card) is sent to the Office of Student Affairs as soon as possible following the death. The Office of Student Affairs will determine the sufficiency of the submitted documentation and retains the right to request additional documentation if it deems the original documentation insufficient. This information will be kept on file in the event that faculty or university personnel request verification. This is intended to eliminate the need for individual faculty to request and require verification of the event giving rise to the bereavement from the grieving student. The Office of Student Affairs will then notify appropriate members of the faculty of the absence via email.

Students are given up to three (3) consecutive calendar days off to attend funeral and/or memorial services and to provide support to family members. If additional days are needed, due to travel or other reasons, that information must be provided in the initial report to the Office of Student Affairs. Approval for additional days (if necessary) will be granted (or denied) by the Associate Vice President for Student Affairs and adjusted when the notice is sent to faculty. The adjusted amount of approved leave (if any) shall be communicated to appropriate faculty members at the time the notice is sent.

Students are expected to stay in contact with the appropriate faculty members to ascertain how the opportunity for equivalent credit will be determined for missed course assignments. Such determinations shall be at the sole discretion of the faculty member, but shall be reasonable when considering the circumstances of each leave. The Provost, working with the Vice President for Enrollment and Student Services will resolve any disputes arising from an allegation that a faculty member's determination of a bereavement accommodation is unreasonable.

All missed course assignments shall be eligible to be made up and include, but are not limited to: exams, quizzes, presentations, and other required assignments. Once again, ongoing communication with appropriate faculty is very important during this time. Failure of a student to maintain adequate communication with the faculty may result in a failing grade for any or all course assignments missed as a result of leave granted pursuant to this Policy.

For a full copy of this policy (including procedures for faculty and information on available counseling), see *Policy 3-40* on the General Counsel website, https://www.cmich.edu/office_president/general_counsel/Pages/default.aspx.

Student Short-Term Military Service Policy

See the Index for the page number.

Minimum Class Enrollment

The university reserves the right to cancel any class in which too few students enroll.

Academic Dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. Written or other work which a student submits must be the product of his/her own efforts. Plagiarism, cheating and other forms of academic dishonesty, including dishonesty involving computer technology, are prohibited.

In cases involving academic dishonesty, the determination of the grade shall be left solely to the discretion of the instructor. In a case where the instructor judges a student guilty of academic dishonesty, the instructor is encouraged to report the incident of dishonesty to the director of the Office of Student Conduct in order to discern potential patterns of egregious dishonesty. For a full copy of the Policy on Academic Integrity, see Appendix II in this Bulletin.

Misrepresentation of Affiliation with the University

It is important to Central Michigan University, its students and alumni that academic and cocurricular work done by students while at the university be accurately and honestly presented. When individuals report their academic performance and/or involvement in university related activities it is expected that they will do so in a truthful manner. Anyone involved in misrepresentation of student coursework, grades, degrees earned and/or involvement with cocurricular organizations or other university related activities may be barred from future enrollment and/or graduation from Central Michigan University. Such activity may also be criminal and subject the person to prosecution.

Student Academic Division Complaint Tracking Procedures

The purpose of this document is to outline a procedure for tracking student complaints that come to the academic colleges and academic support units. Complaints to be resolved by the academic colleges or support units are those that are not governed by other complaint or appeal procedures. Students need to follow policies and procedures that currently exist. Those policies can be found in their Academic Bulletin (undergraduate, graduate, or Global Campus) (<https://bulletins.cmich.edu>).

Definition. A complaint expresses dissatisfaction with an academic action believed to be unfair or inconsistent with policy or guidelines.

Procedure. A record of complaints that are resolved at the level of the academic colleges or academic support units will be documented and retained in each academic college or support unit. Annually, each academic college and support unit will review the complaints in an effort to identify trends and to improve the learning environment. A summary of the complaints that occurred in the previous academic year will be compiled by each academic college and support unit, and submitted annually to the Provost's Office on or before July 31.

For a complete copy of this procedure, see https://www.cmich.edu/office_president/general_counsel/Documents/p05007.pdf.

Undergraduate Academic Probation, Suspension, and Dismissal Policy

Students with Academic Difficulties

All degree- and non-degree-seeking students at Central Michigan University have the responsibility to realize when they are having academic difficulties and to seek help as needed. Students are encouraged to seek assistance from their instructors, advisors, and/or counselors. Help can also be obtained from Academic Assistance Programs in the Academic Advising and Assistance office, where students can get information about one-on-one tutors, walk-in tutoring, supplemental instruction sessions, the Writing Center, the Math Assistance Center, advising and coaching options, and various academic strategies courses. Academic Advising and Assistance is located at 250 Ronan Hall and can be reached at 989-774-3465.

While it is important for students experiencing academic difficulty to seek assistance, instructors are encouraged to take action when a student is not succeeding in their courses. Instructors should work directly with the student and may report their concerns to the Early Alert Referral site, the CARE team, or to Academic Advising and Assistance.

Academic Probation

At the end of each semester or summer session, all students whose cumulative grade point average (GPA) is below 2.00 will either be placed on academic probation, academic suspension, or academic dismissal. Academic probation occurs when a student's GPA is below 2.00 but above the range for suspension or dismissal, which varies according to the student's attempted credit hours or total credit hours, whichever is greater. Total attempted hours include CMU credits earned or attempted at the 100-level or above, transfer credits, and hours earned in any other manner. For a full definition of attempted hours, refer to Table 1.

The university notifies students who are placed on academic probation, and encourages them to seek counseling and assistance via the Academic Advising and Assistance office (250 Ronan Hall, 989-774-3465). If a student is on academic probation for three consecutive semesters, including summer sessions, the student is subject to academic dismissal.

Academic Suspension

Students in their first semester (at least 6 credit hours) of academic courses taken at CMU are subject to academic suspension if their first semester or summer session GPA falls below the range for academic probation (See Table 1). Suspended students may not rematriculate for the next academic session unless granted permission by the Committee on Rematriculation through the Academic Advising and Assistance office. Details regarding a student's academic suspension

status, suggestions for corrective action, and the appeal process are communicated following the official grade deadline for each semester or summer session by mail from the Academic Advising and Assistance office.

Academic Dismissal

A student is subject to academic dismissal if his or her cumulative GPA falls below the cumulative GPA range for probation (see Table 1), or when the student has been on academic probation for three consecutive semesters including summer session.

The University notifies students whose matriculation is canceled. Details regarding a student's academic status, suggestions for corrective action, and an appeal process are communicated following the official grade deadline for each semester or summer session by e-mail from the Academic Advising and Assistance office.

No student whose matriculation has been canceled, or would have been canceled had he or she been a student at the University, may enroll again unless rematriculated. Consideration for rematriculation will normally be given to dismissed students only after an absence of at least one calendar year. If students wish to return to the University, they must apply for rematriculation to the Committee on Rematriculation, through the Academic Advising and Assistance office (250 Ronan Hall, 989-774-3465) or see https://www.cmich.edu/ess/academic_advising_assistance/Pages/default.aspx.

Attempted/Total Credit Hours	GPA Range for Dismissal/ Suspension	GPA Range for Probation
6-18	0.0-0.99	1.00-1.99
19-35	0.0-1.49	1.50-1.99
36-45	0.0-1.69	1.70-1.99
46-58	0.0-1.79	1.80-1.99
59-71	0.0-1.84	1.85-1.99
72-85	0.0-1.89	1.90-1.99
86 and over	0.0-1.94	1.95-1.99

Attempted/Total Credit Hours include every course at 100-level or above ever registered for that shows on the transcript and for which there is a grade or grade substitute such as W, I, CR, NC, N, or Z. This does not include courses dropped during registration. It does include credits transferred from other institutions and credits earned by other methods, such as Advanced Placement (AP), College Level Examination Program (CLEP), or International Baccalaureate (IP).

Graduate Standards of Satisfactory Progress

At the end of each term and semester student's academic records are reviewed for satisfactory academic progress. If a graduate student who has regular admission fails to maintain a cumulative GPA of 3.0 or higher they will be placed on Academic Probation, be notified of their status, and told whether or not they are subject to dismissal.

Students who have regular admission and are placed on probation have an opportunity to raise their grade point average to 3.0; students on probation are given two semesters (maximum of 6 credits per semester) beyond the semester that caused them to go on probation. Students placed on probation are also subject to departmental review, with specific recommendations being made based on the situation. If they are not successful they will be dematriculated and must wait at least one year before applying for readmission. Exceptions to the probation policy rest with the Vice President/Dean of the Office of Research and Graduate Studies.

If a student has conditional admission and her or his GPA falls below 3.0, he or she is not placed on probation because an acceptable graduate level GPA is already a condition for regular admission.

If a student has a pre-admit admission status and her or his other GPA falls below 3.0, he or she is not placed on probation because the student is already limited to six semester hours of credit.

Students dismissed from graduate study may petition for readmission no sooner than one academic year after the semester they were dismissed. Exceptions to this waiting period can be granted by the Vice President/Dean of the Office of Research and Graduate Studies. Admission to a degree program will be decided by the procedures normally used for that program.

Removal from Future Courses

At the end of each term and semester when student records are reviewed, if it is determined that a student is not being academically successfully the University reserves the right to drop the student from future courses in which they have enrolled, but have not yet started. Students who are dropped from future courses will be notified by the University along with notification on their current status at the University.

Curriculum and Course Changes

All changes in curriculum and all course substitutions must be approved by the academic advisor and, in the case of MSA students, the MSA director. Deviations from the authorized program plan must be in writing and signed by the appropriate academic advisor and the MSA director. Students who take courses which have not been approved by their academic advisor do so at the risk that those courses may not apply to their degree.

Curriculum and course changes may require approval from the Veterans Administration if a student is to continue to be eligible for veterans educational benefits. Students should consult their program administrator.

Undergraduate Credit/No Credit Policy

An undergraduate student may take courses on a Credit/No Credit basis subject to regulations summarized here. The option is elected by submitting an Undergraduate Credit/No Credit Request Card to the Program Center before the published deadline.

The instructor is not notified when a course is taken credit/no credit and so assigns the student a letter grade. The grade is automatically converted to credit or no credit according to the following guidelines. The student earns credit (CR) for the course and credit toward graduation when a grade of C or better is assigned. No credit (NC) is earned when the assigned grade is C-, D+, D, D-, or E. The course appears on the student's permanent record with the CR or NC grade, but the grade has no effect on the grade point average.

Departments designate which of their courses may be taken on a credit/no credit basis and whether such credit may be applied to a major or a minor. A department may offer certain courses exclusively on a credit/no credit basis after approval by the appropriate curricular authorities and publication in the University Bulletin.

A maximum of 25 semester hours of credit earned under the credit/no credit option may be applied toward an undergraduate degree. Courses exclusively offered on this basis are not included in the 25-hour restriction. Students may not take more than two courses or 7 hours for credit/no credit in the University Program.

Procedures and deadlines for registering for courses on a credit/no credit basis can be found on www.cmich.edu/ess/registrar/RegistrarRegistration. A student who officially elects the credit/no credit option for a course may not change the registration to a letter grade designation after the deadline.

Graduate Credit/No Credit Policy

Courses in which graduate student performance is evaluated CR/NC, rather than by a letter grade on the A through E scale, carry the designation "CR/NC only" in the departmental course descriptions. CR indicates that the student has performed at a level equivalent to or above the grade point average for graduation (B grade) and shall receive credit in the course. NC indicates that the student has performed at a level lower than a B and shall not receive credit. In either case, the title and other course identification and the symbol CR or NC shall be entered on the student's transcript. CR and NC are not equated with qualitative letter grades, however, and are not included

in computation of the student's grade point average. Optional registration for Credit/No Credit in other graduate courses is not available to graduate students.

Optional registration for Credit/No Credit is available to graduate students who register in a course below the 500 level for undergraduate credit. Courses taken under this provision may not be applied to graduate certificate or degree requirements. Such optional registration for undergraduate credit is not available to students removing deficiencies specified in their Conditional Admission. The courses for which graduate students may register for undergraduate credit on a CR/NC option basis must be designated in the Class Schedule by the department as available on a CR/NC option basis. Procedures for registration, grading, and recording are explained above in the Undergraduate section under "Credit/No Credit Policy."

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act of 1974 (FERPA) affords students certain rights with respect to their educational records. They are:

1. The right to inspect and review the student's educational records within 45 days of the date the University receives a request for access.

Students should submit to the Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's educational records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights.

Students may ask the University to amend a record they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identifying the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedure will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosures without consent.

One exception which permits disclosure without consent is disclosure to University officials with legitimate educational interest and/or needs to review an educational record in order to fulfill his or her professional responsibility. A University official for the purpose of this policy is defined as follows:

- members of the faculty;
- members of the professional, executive, and administrative staff;
- members of the Central Michigan University Police Department in an emergency if knowledge of the information is needed to protect the health and safety of the student
- students, when properly appointed as members of a hearing panel or screening committee;
- representatives of the State Auditor General or Department of Education when performing their legal function;
- a person or company with whom the university has contracted (e.g. attorney, auditor, or collection agent) but limited to only the specific student information needed to fulfill their contract;
- others as designated in writing by the president, a university vice president, or dean.

Upon request, the University discloses educational records without a student's consent to officials of another school in which a student seeks to enroll.

(continued)

Another exception which permits disclosure without consent is when the information consists solely of "Directory Information." Directory information may be published or released by University faculty and staff at their discretion. Unless a student specifically directs otherwise, as explained more fully in paragraph (4) below, Central Michigan University designates all of the following categories of information about its students as "Directory Information":

- a. name, campus address, home address, telephone listing, and campus e-mail;
- b. state of residence;
- c. age, date, and place of birth;
- d. major field of study, including the college, department, or program in which the student is enrolled;
- e. classification as a freshman, sophomore, junior, senior, graduate, specialist or doctoral student;
- f. enrollment status (full-time, half-time, less than half-time);
- g. participation in officially recognized activities and sports;
- h. weight and height of members of athletic teams;
- i. dates of attendance and graduation, and degrees received;
- j. the most recent educational institution attended;
- k. honors and awards received, including selection to the Dean's or President's list, honorary organization, or the GPA range for the selection.

4. A student has the right to refuse the designation of all categories of personally identifiable information listed above (a. through k.) as Directory Information. If a student exercises this right, it will mean that no Directory Information pertaining to the student will be published or otherwise released to third parties without consent, a court order, or a subpoena.

Any student wishing to exercise this right must inform the Registrar's Office in writing by the end of registration regarding the withholding of all categories of personally identifiable information with respect to that student. Once a student has requested the withholding of information, "Directory Information" will be withheld until the student cancels the request in writing.

5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Central Michigan University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Grade Grievance Policy

The University recognizes that it is the instructor's prerogative to determine a grade. Responsibility for resolving grading disputes is shared among the instructor, the student, the department, and the college. If a question is raised by a student concerning a grade, the instructor should discuss the matter willingly and give evidence to make clear his/her basis for determining the grade. In turn, the student should recognize the need to demonstrate a valid basis for complaint. At any time, either upon the student inquiry or upon his/her own initiative, the instructor who believes a change of grade is justified may initiate a request for a change in grade.

The following steps are available for review of allegations of capricious grading under the grade grievance policy. They are not for review of the judgment of an instructor in assessing the quality of a student's work nor are they to be used in cases involving violations of CMU's Academic Integrity Policy. Determination of the grade in such cases is left solely to the instructor.

Capricious grading, as that term is used herein, constitutes any of the following: (a) the assignment of a grade to a particular student on some basis other than his/her performance in the course; (b) the assignment of a grade to a particular student based on more exacting or demanding standards than were applied to other students in that course (and it is understood that standards for graduate credit may be different from standards for undergraduate credit); (c) the assignment of a grade by a substantial departure from the instructor's previously announced standards.

Step 1:

- A student who desires discussion of a complaint about a grade shall contact the instructor or, if the instructor is unavailable, the department chairperson either in person or in writing as soon as possible, but in no case later than thirty days after the grade is posted. Any exception to the time limitation shall be for unusual and most compelling reasons. Ordinarily, the student should accept the instructor's decision. However, if the student is still not satisfied, he/she may request in writing a joint consultation with the instructor and the chairperson of the department involved. In a case in which the student's request for joint consultation involves an instructor who is also chairperson of the department, the student's request in writing should be sent to the dean of the school or college involved. In such cases, the dean shall act in place of the department chairperson.

Step 2:

- A student who is not satisfied after consultation with the instructor and department chairperson and who alleges that the course grade is the result of capricious grading may file an appeal within forty-five days from the date of the posted grade to the dean of the instructor's college for forwarding to the College Committee on Review of Change of Grade. The student shall file the appeal by submitting a written statement explaining the basis for the allegation that the grade was the result of capricious grading and presenting any evidence he/she may have.
- The appeal shall be dismissed if (a) the appeal was not timely; (b) the allegations, if true, would not constitute capricious grading; or (c) the student has not attempted to confer with the instructor or chairperson of the department. If the appeal is not dismissed, the committee* shall submit a copy of the student's written statement to the instructor of the course with a request that the instructor promptly submit a written response thereto, a copy of which shall be made available to the student. If, upon the basis of these papers, the dispute appears to be attributable to inadequate or incomplete communication between the parties, the committee may arrange to meet individually or together with the student and instructor to discuss the problem. A teleconference can be arranged for a student who does not reside in proximity to the main campus.

Step 3:

- If such a meeting is not held or, if held, the meeting does not result in a mutually agreeable solution, the committee shall proceed to hold a fact-finding session concerning the allegations set forth in the appeal. Both the student and the instructor shall be entitled to be present throughout the session and to present any relevant evidence, including testimony by other persons. The student and the instructor both may be accompanied by a person to assist them in presenting evidence. The session shall not be open to the public.
- At the close of the session, the committee shall deliberate privately. If a majority finds the allegations of capricious grading to be supported by substantial evidence, the committee shall determine the most appropriate remedy. The committee may direct the instructor to grade the student's work anew, give the student a new examination in the course, or take such other action as will bring about substantial justice in the individual case. However, except in the most extraordinary circumstances, the committee itself should not award the student a new grade in the course. The decision of the committee shall be final and shall be reported in writing to the student, instructor, and the departmental office.

The College Committee on Review of Change of Grade may also resolve complaints involving suspected violation of grading policies for incomplete and deferred grades, dropping a class, or withdrawal from the university. The same procedures as outlined above for review of alleged capricious grading shall be followed.

*If the instructor of the course is a member of the Committee, he/she shall be disqualified from considering the appeal.

Grading Policies

(for both undergraduate and graduate students)

Incomplete Grade (I)

An "I" (Incomplete) grade is a temporary grade used by the instructor in cases when a student is unable to complete course requirements because of illness or other justifiable circumstances. An incomplete grade does not indicate enrollment for the period of time in which the work is done. It is assigned only in cases in which the student has completed satisfactorily the major portion of the course requirements, and has convinced the instructor of his or her ability to complete the remaining work without re-registering for the course. It is not to be given to a student who is already doing failing work. A form must be completed and signed by the faculty member (and the student, when possible) whenever a grade of "I" is assigned. The form is to be kept on file in the departmental office. An instructor who assigns a grade of "I" also submits a formal statement to the department chairperson of requirements to be satisfied for removal of the Incomplete grade. A copy of the statement of requirements, including deadlines for their completion, shall be made available to the student.

It is the student's responsibility to contact the instructor to make arrangements for completing the remaining work. The required work should be completed and a grade reported by the end of the student's next semester in residence, but in no case later than one calendar year following the receipt of the "I" grade. A student not completing the remaining work by the end of one calendar year following the receipt of an "I" would retain an "I" only if the instructor chooses not to change the "I" to a specific grade ranging from A to E by the end of the calendar year. An "I" may not be removed by registering again for the course.

If the instructor of the class in which the "I" was incurred is no longer a member of the faculty, the student should contact the department chairperson, who shall act on behalf of the former instructor.

Exceptions to these regulations can be made only when requested by the student and approved by the instructor or the department chairperson and the dean of the college, and certified by the dean of the college to the Registrar.

Deferred Grade (Z)

The "Z" (deferred) grade may be recorded for students registered for independent study, for thesis, International Program Studies courses, or for other courses specifically approved for "Z" grades in the Bulletin, if the instructor believes that the quality and quantity of work completed by the end of the semester justifies an extension of time. An instructor who assigns a grade of "Z" shall submit, on the proper form, a statement to the department chairperson of remaining requirements for removal of the deferred grade. A copy of the statement of requirements, including deadlines for their completion, shall be made available to the student.

Change of Grade

A request to change a grade may be initiated by an instructor electronically using "Web Grades" via CentralLink. The change of grade will be forwarded to the chairperson for approval and also to the dean of the college.

Requests for change of grade involving error by an instructor--such as error in recording grade, transpositional error, error in transferring grade to Final Grade List, miscalculation, computational error, error in scoring final exam, test or assignment grade not recorded, papers

misplaced by instructor and found after grade was recorded, error in graduate assistant or lab assistant reporting grade to grading instructor, or instructor forgetting that a student had been promised an "I" grade--shall be processed by the Registrar's Office without any action by a College Change of Grade Committee.

All other requests for change of grade are to be submitted by the dean to the College Change of Grade Committee. If the request is approved, the chairperson of the committee or the appropriate dean will electronically forward the change to the Registrar's Office for processing.

Recomputation of Grade Point Average

An undergraduate student may petition for recomputation of his or her cumulative grade point average if:

1. the student has not attended CMU or any other institution for four or more consecutive years, and
2. the student re-enrolls after his or her matriculation was canceled or after withdrawing voluntarily with a cumulative grade point average under 2.00 (academic probation).

A petition form for recomputation may be obtained from your academic advisor. This policy may apply to students presently enrolled at CMU.

If the petition is approved, all courses taken will remain on the permanent record. Those courses with grades of A, A-, B+, B, B-, C+, C, C-, or CR will be counted for credit only. The student resumes his or her academic program at CMU with no cumulative grade-point average, and thereafter is subject to the conditions of probation and dismissal that govern all students. A student may not graduate from Central Michigan University under this policy unless he/she earns at least 12 semester hours of credit at this institution after the recomputation has been granted.

Students who have had a recomputation of grade point average must meet the following criteria to be eligible for graduation with honors: At the beginning of his/her final semester must have completed 45 hours of residence, of which 33 hours are letter graded, and a cumulative point average as indicated in the Graduation with Honors table. Only hours completed after the recomputation are eligible for this requirement.

Graduate students who transfer from one graduate program to another may also file a Recomputation of Grade Point Average Petition. If approved by the academic advisor, department chair, and Vice President/Dean of the Office of Research and Graduate Studies, all courses completed (prior to the petition) on the original program will be disallowed on the second program plan, all grades on previous coursework will be disregarded, and the student will begin the new program with no cumulative grade point average. The Recomputation of Grade Point Average Petition must be filed within one calendar year of beginning the new program. NOTE: All courses will still remain on the student's transcript although the grades will not contribute to the GPA.

Repeat Course Policy

Undergraduate. Undergraduate students may repeat a course, but the following conditions apply:

1. A student may repeat a course in which they have earned a grade of A though E. All grades will appear on the transcript, but only the last grade received will be utilized in computing cumulative hours and GPA.
2. A student may not repeat a course on the CR/NC grading option. A course with an earned letter grade may not be repeated on the CR/NC grading option.
3. If the designator or the course number has changed since the student's previous attempt, the student is encouraged to complete a Repeat Course Request card with the Registrar's Office by the deadline date. This will ensure that the repeat will be noted and will be included in the current semester calculations.

(continued)

4. A student repeating a CMU course at another college/university must earn a higher grade than their original attempt for the course to transfer. Honor points will not transfer but the previous CMU honors points will be removed in computing the average.
5. A course taken after a student graduates will not change the previously attempted grade or credit hours.
6. A student is limited to 3 attempts of a course. This includes repeats where they have earned a grade of A through E, or attempts where they were awarded grades of CR, NC, I, W, Z, or X.
7. This limitation does not apply to independent study and similar courses for which course content varies significantly with each offering. (Often these are courses with variable credit hours.).

For exceptions to this limitation policy, a student may appeal to the Chairperson of the department offering the course.

Graduate. To improve a grade previously earned at CMU, a student may repeat any course except an Independent Study course up to two times at the graduate level. The last grade and credit hours earned at CMU completely replace the previous grade and credit hours in computing the grade point average, although the earlier record remains a part of the student's transcript. A grade of A through E must be earned in a repeat course to replace the previous grade in computing the average.

Transcripts

Any current or former student who does not have a financial hold may request an Official Transcript from Central Michigan University.

How to Request a Transcript. Central Michigan University has partnered with the National Student Clearinghouse (NSC) to provide online ordering for CMU transcripts. This partnership allows students to order transcripts 24 hours a day, seven days a week and track their orders via text message or email. Transcripts ordered through the NSC are typically sent to a recipient within one hour, though it could take up to 1-2 business days if your record requires manual processing (students who attended CMU prior to 2000). The NSC is the only method through which students may request CMU transcripts.

All transcript ordering will take place through the NSC's website. Electronic transcripts sent directly from the NSC to another educational institution, employer, etc. will be considered official. In order to request an unofficial transcript, one simply needs to have the transcript sent directly to their email address.

Electronic transcripts are the preferred method of transcript transmission between institutions. Students will find that the process is much more efficient and effective than ordering traditional paper-based transcripts. The ordering process begins on the Registrar's Office's website at www.cmich.edu/ess/registrar.

Any current or former student who does not have financial holds may request a Central Michigan University transcript.

Withdrawing from a Class After Drop/Add Period

1. Students are allowed to withdraw from an individual course using CentralLink if they do so before the published deadline. The student will receive an e-mail that the withdrawal has been received by the Registrar's Office.
2. At the time of the withdrawal, the student will be asked to indicate a reason for withdrawal and indicate their attendance in the course (never attended or the last date attended).
3. Students will receive W grades as an indicator of withdrawal through the tenth week of the Fall or Spring semester or through the midpoint of all courses shorter than one semester. No individual course may be withdrawn after this time.
4. Faculty will receive an e-mail regarding the withdrawal and the attendance reported by the student. The instructor will notify the Registrar's Office if he/she shows a different attendance period

than reported by the student. Also, in cases involving academic dishonesty, the instructor will notify the Registrar's Office and the course will be reinstated. The final grade determination shall be left to the discretion of the instructor.

5. Under unusual circumstances, a student may appeal to the Registrar for exceptions to this policy. If a waiver is approved, the Registrar's Office shall notify the instructor of this action.

Withdrawals from all Classes (Complete Semester Withdrawals)

Student Initiated Withdrawals

Students may withdraw from all courses through the 10th week of classes using the complete withdrawal functionality in Course Search and Registration on *CentralLink*. Students enrolled in short term courses, on-line courses, or have already withdrawn from a single course will be referred to the Registrar's Office for assistance.

A student will automatically receive W's as an indicator of withdrawal through the tenth week of the Fall and Spring semesters or through the midpoint of all courses shorter than one semester. The instructor will be notified of the course withdrawal. In cases of academic dishonesty, the instructor will notify the Registrar's Office to reinstate the course and the instructor will submit the final grade. Summer complete semester withdrawals must be initiated with the assistance of the Registrar's Office.

Students withdrawing from the university between the 10th week and the Friday of the 14th week of the semester must contact the Registrar's office. W's will be assigned for passing work of D- or better and E's for failing work. During this period, students enrolled in a CR/NC only course will receive W's for passing work of C or better and a grade of E (which is converted to NC) for failing work. The Registrar's Office will contact each instructor to verify whether or not the student is earning a passing grade.

No student may withdraw from all classes during the week preceding final examination week.

A student following the above procedures may receive certain refunds, if eligible, in accordance with university regulations.

A student leaving the university without officially withdrawing will not be eligible for refunds and will not be eligible for a W grade.

Involuntary Withdrawal

Students who are dismissed for administrative or disciplinary reasons or students who owe past due amounts may be subject to involuntary withdrawal from classes and will receive a "W" for each class as an indicator of withdrawal. In addition, students living in residence halls with a past due balance may have their meals and long distance telephone privileges discontinued until their accounts are brought to a current status. Any delinquencies in the Family Housing Apartments may result in the initiation of eviction proceedings.

University staff will counsel students who:

- a. engage or threaten to engage in behavior that poses a danger of causing physical harm to self or others, or
- b. engage or threaten to engage in behavior that would cause significant property damage, or directly and substantially impede the lawful activities of others.

In situations a. and b. above, the Associate Vice President for Student Affairs or designee may refer a student to the Behavior Evaluation Team to assist the student in functioning effectively within the university environment. Referral to the Behavioral Evaluation Team does not preclude removal from the university, or university housing, in accordance with provisions of the Code of Student Rights, Responsibilities and Disciplinary Procedures and/or the Housing Agreement. A student referred to the Behavioral Evaluation Team shall be notified in writing, and shall be provided written information on the procedures to follow.

Withdrawal To Enter Military Service

A graduate or undergraduate student who is drafted or recalled to military service after previous active duty may be entitled to receive (a) credit for the semester, (b) refund of fees, or (c) partial credit and partial refund, according to the following conditions:

1. The student who is unable to complete the first half of a session shall be entitled to a full refund of fees.
2. The student who has completed the first half or more of a given session may receive credit or partial credit and proportional refund of fees.

The student shall apply at the Registrar's Office for confirmation of his or her eligibility to receive credit. The Registrar shall advise the student concerning withdrawal, refund, or credit procedures.

If the Registrar confirms eligibility for credit, the student may present the confirmation to the appropriate academic dean. The academic dean, the chairperson of the department in which the student is enrolled, and the instructor of the class shall determine the amount of credit which has been earned. The academic dean reports the amount which has been earned, in writing, to the Registrar and the instructor shall submit the appropriate grade at the end of the semester.

Students who enlist or volunteer for military service during the session must withdraw from the university according to regular withdrawal and refund procedures.

Classes and Seminars

The instructional format for each course offered through Global Campus is dependent upon content, student needs, and course design options. Classes are usually scheduled during compressed time blocks to maximize degree progression and to minimize scheduling conflicts. Scheduling options offered include alternate weekends, week-long, and evenings, as well as CMU Online. Course modality options include face-to-face classes, online, video conference courses, or hybrid courses.

Face-to-Face courses: Instructor and students meet and interact at pre-determined times, dates and location for purposes of delivering instructional content by a variety teaching methods and evaluative measures.

Online courses: Instructor and students interact in a virtual classroom where the learning experience is facilitated using the latest technology. Course materials are distributed electronically and student learning assessment and evaluations are conducted exclusively online. Online courses can include synchronous communication experiences where students engage in real-time interactions, at a specific point in time, with fellow students and faculty through the utilization of software imbedded in the learning management system (LMS); or, through asynchronous communication experiences where students engage with fellow students and faculty through independent learning spaces that allow anytime interactions and responses.

Video Conference courses: Instructor and students meet in various classroom environments, that are geographically dispersed, and interact via live interactive video. These courses provide opportunity for a collaborative learning environment by allowing delivery of one course to multiple locations.

Hybrid/Blended courses: Instructor and students meet and interact using both face-to-face and online environments in one course, leveraging a variety of strategies and interactions to enhance the learning experience.

Regardless of modality, all courses have specific start and end dates. In addition, textbooks, course outlines, reference materials and assignments are available prior to the first session of a class to allow preparatory reading and study.

Note: To ensure the best student learning experience and the availability of courses that fulfill student program plans at given locations, courses initially scheduled as face-to-face courses may be converted to a hybrid/blended course format prior to the first class meeting.

Main Campus Courses

Any student admitted to Global Campus may enroll for classes on the Central Michigan University campus in Mount Pleasant. Students must follow regular main campus enrollment procedures. Information regarding dates and procedures for main campus registration is in the Class Schedule on the Registrar's website at http://www.cmich.edu/registrar_office/RegistrarClassScheduleCourseOfferings.

Limitations on College of Business Credits

MSA degree student program plans may include no more than 15 semester hours of coursework from the College of Business Administration; graduate certificate student program plans may include no more than 12 semester hours; undergraduates, no more than 27 semester hours. These credit limitations include both business transfer credits and credits earned at CMU. Students should consult with their academic advisor before enrolling in any College of Business course.

Post-Baccalaureate Teacher Certification

See Appendix III, *Standards Leading to Teacher Certification*, for information on Post-Baccalaureate Teacher Certification.

Independent Study

Independent study courses, such as MSA 691 (1-2 credits), are available for students who wish to pursue special areas of interest. Independent learning experiences should help students develop skills in planning, organizing, researching, reporting, and developing specific skills outside the classroom. The experiences may take the form of readings, research, or special projects. Students wishing to pursue independent study should contact their program center for an Independent Study Guide and an application for Independent Study Request. Independent study projects should not duplicate the content of an established course.

Tutorial Option

Students may, under certain circumstances, take courses as tutorials (on an individual basis) working closely with an approved instructor. Details are available from the program administrator.

CMU Online

Students interested in taking courses through CMU Online must be admitted to Central Michigan University prior to registration. Those students applying veterans educational benefits toward tuition of a course should contact CMU's Veterans' Resource Center for information regarding certification and restrictions.

Courses offered through CMU Online mirror main campus face-to-face courses in terms of their scope, study requirements and level of difficulty. Most students limit themselves to two online courses per term, especially if a student is new to independent learning, is employed full time, or has a large semester class load.

Online Courses

Online course delivery provides each student with a virtual classroom where lectures, multimedia study materials and class discussion are all provided using the latest technology, over the internet. Interactive online tools offer students the opportunity to connect with faculty and peers to discuss course content in cyberspace. Online courses still have specific start and end dates and assignment/exam due dates. Careful review of the course syllabus prior to the enrollment of a course will provide these dates. Questions regarding online courses may be directed to staff at cmuonline@cmich.edu.

Examination Proctors

A proctor is a person approved by CMU Online to administer exams to a student for an online course requiring a proctor. Not all online courses require a proctor. For those courses that do require a proctor, students must identify a proctor and provide the necessary information through the Proctor Designation Form to CMU Online for approval. Once a proctor has been approved, CMU Online will provide exam materials to the proctor. The student arranges for an exam appointment with the proctor to take their exam.

Acceptable proctors include school counselors, school/college administrators/teachers, military/industry education or testing centers, or librarians at a local library. In addition, CMU centers proctor exams. Unacceptable proctors include, but are not limited to, family members, friends, co-workers, other CMU students, anyone with whom the student has a personal relationship, or anyone who cannot provide a suitable testing environment. CMU reserves the right to deny any proctor or assign proctors to students as deemed necessary by the CMU Online staff.

The student is responsible for any proctor's fees. If one of the CMU centers is to be used as a proctor, please check with that center to determine available times and dates for testing. Should you have any questions, contact CMU Online at 800-688-4268, option 1.

Planned Experiences

The planned experiences credit option provides a flexible learning format which can be tailored to fit particular student objectives. This learning option also allows the student to take full advantage of all instructional resources available. The student should consult her or his academic advisor to develop a planned experience and should consider the following guidelines:

1. The experience must develop skills not previously acquired by the student.
2. Planned experience credit will not be granted for work or study in which the student was involved prior to enrolling in the planned experience.
3. The experience may be graded on a credit/no credit basis at the student's request and with the faculty reviewer's approval.
4. The student may earn no more than 30 semester hours of credit through planned experiences. No more than 15 semester hours of credit may be earned for a single planned experience.

The following course numbers and titles are used to record credit granted for planned experiences:

CDE 291 Planned Experience in Community Development (1-15)

CDE 491 Planned Experience in Community Development (1-15)

CEL 291 Planned Experience in Administration (1-15)

CEL 491 Planned Experience in Administration (1-15)

Academic Policy and Federal Student Aid

A student's Grade Point Average (GPA), their completion of coursework and timeframe standards (duration of completion) are measured each semester for the purpose of Satisfactory Academic Progress (SAP). Failure to maintain Financial Aid Standards will affect Federal Student Aid eligibility. Details concerning SAP can be found in the *Financial Aid Manual* at: <http://global.cmich.edu/financial-aid/FinancialAidManual.pdf>.

General Residency Policy

All courses offered through Global Campus carry Central Michigan University credit, regardless of the geographic location where they may be offered, and main campus instruction is not required for degree or certificate completion. To fulfill degree requirements, an undergraduate student must successfully complete at least 30 semester hours of university residence credit through campus and/or Global Campus experiences. To fulfill graduate certificate requirements, a graduate student must successfully complete at least nine semester hours through the same alternatives. A graduate degree student must successfully complete at least 18 semester hours (MSA) or 15 semester hours (MA) through the same alternatives. Correspondence course credits, CLEP credit, Prior Learning Credit, and hours earned by Credit by Examination may not be applied to meet any of the hours required in residence.

Students Who Move

A graduate degree student who has completed 21 or more semester hours of work with CMU, or a graduate certificate student who has completed at least 9 semester hours of work with CMU, and has moved away from a program center should maintain contact with the original advisor if possible. The original advisor can determine which courses should be taken to complete the program and recommend courses through CMU Online or other institutions which may be used as part of the CMU program. If a student is not able to maintain contact with the original advisor, he or she may be assigned to a Mount Pleasant-based advisor as an "isolated student." In such a case, the student should contact CMU Global Campus at 866-774-1018 to determine the new advisor and review his or her tentative program plan and other relevant materials to the new advisor. The undergraduate student who moves from one program center to another should contact the new program center to be assigned to a new academic advisor, who will review her or his program plan. If the undergraduate student has less than 20 credits to complete, he or she may wish to maintain contact with the original academic advisor if possible.

Options for Earning Credit

Undergraduate Transfer Credit Policy

- I. **Transfers from Accredited Schools and Foreign Institutions.** Undergraduate courses from another college or university that is accredited by one of the regional institutional accrediting associations or from a foreign university or college approved by the government or the official regulating agency of the country in which the university or college is located will be considered for transfer credit at Central Michigan University, subject to the following conditions: a.) Courses must be germane to a program at Central Michigan University, b.) Transferable courses completed with a grade of C- or better or the equivalent will be accepted. For credit from institutions that have numeric grading only, you may contact the Registrar's Office (989-774-3261) to verify the minimum grade required for transfer, c.) Credits from foreign institutions must first be evaluated by an approved international credential evaluation organization. d.) Grades and honor or quality points are not transferable to or recorded on the CMU permanent record, e.) Acceptability of transfer coursework to fulfill CMU major or minor requirements is at the discretion of the individual department.
- II. **Transfers from Non-Accredited Schools.** A student who has earned credit or a baccalaureate degree from an institution that is not accredited by one of the regional accrediting associations may appeal through the Board of Appeals who may consult with the individual departments for an exception to the above policy for up to a maximum of 62 credits. Before accepting such credit for transfer credit consideration, the Board of Appeals will consult with the individual departments. If a positive decision results, transfer credit may then be granted subject to the same conditions that apply to transfers from accredited schools.
- III. **Exceptions.** Academic units may request an exception to the Regional Accreditation portion of this policy from the Degrees, Admissions, Standards and Honors Committee.
- IV. **The MACRAO and MTA Transfer Agreements.** A person who transfers from another institution in Michigan with a transcript documented as having satisfied the MACRAO or MTA Agreement, will also have satisfied the University Program portion of the General Education Requirements section at CMU. All other students may refer to the General Education Requirements in this Bulletin for guidelines on the applicability of their transfer credit toward University Program requirements.
- V. **International Baccalaureate Credit.** Courses within the International Baccalaureate Diploma and the International Baccalaureate Certificate for individual courses may be accepted as transfer credit on a course by course basis if the higher level examinations have been passed with a score of four or better.
- VI. **Military Training and Experience.**
 - A. *Military Service School Experiences.* Granting of academic credit for military service school experiences will be guided by the evaluations prepared by the American Council of Education and published in the "Guide to the Evaluation of Educational Experiences in the Armed Services." All Military Service School experiences that are recommended for undergraduate level credit will transfer to Central Michigan University. Acceptability of credit for military service school experiences to fulfill CMU major or minor requirements is at the discretion of the individual department.
 - B. *Military Occupational Specialties.* Granting of academic credit

for military occupational specialties will be guided by the evaluations prepared by the American Council of Education and published in the "Guide to the Evaluation of Educational Experiences in the Armed Services." All Military Occupational Specialties that are recommended for undergraduate level credit will transfer to Central Michigan University. Acceptability of credit for military occupational specialties to fulfill CMU major or minor requirements is at the discretion of the individual department.

- C. *Service Member Opportunity College (SOC) courses.* Undergraduate courses from another college or university that is recognized as a Service Member opportunity College institution for either the army (SOCAD), navy (SOC-NAV), or marine corps (SOCMAR) will transfer to Central Michigan University subject to the following conditions: 1) the student seeking the transfer of credit is an active or reserve military service member or the immediate family member of a service member; 2) transferable courses completed with a grade of C- or better or the equivalent will be accepted; 3) grades and honor points or quality points are not transferable to or recorded on the CMU permanent record; 4) coursework is taken after the issuance of a Student Agreement by Central Michigan University. The Student Agreement is a record of all of the student's prior learning (including military experience) and where that learning fits into his or her program plan.
- D. *DANTES Subject Standardized Tests (DSST).* Central Michigan University accepts a number of the DSST exams for transfer credit based on the recommendations provided by the American Council of Education(ACE). Acceptability of credit for military service school experiences to fulfill CMU major or minor requirements is at the discretion of the individual department. Please contact registra@cmich.edu with any questions.
- VII. **Non-military Training Experiences.** Granting of academic credit for selected training experiences offered outside the sponsorship of colleges and universities will be guided by the evaluations prepared by the American Council on Education's PONSI program (ACE/PONSI). ACE/PONSI credit recommendations appear in the publication entitled The National Guide to Educational Credit for Training Programs.
- VIII. **13th Year Credit.** CMU will allow a student's 13th year (e.g., the German Abitur) or A-level credit from non-U.S. academic systems to count as undergraduate credit if it is approved by the department responsible for that area (e.g., Biology would have to approve credit for courses taken that relate to biology). Such approval must be done on a case-by-case basis. The student must submit course syllabi, including information as to textbooks used in the course, so that the department can determine whether to approve such credit. Progress of students who receive this credit will be monitored in order to determine the efficacy of this policy.

Graduate Transfer Credit Policy

This policy relates to non-CMU coursework being considered for transfer into a CMU graduate degree program plan.

Transferable credit:

- Graduate Certificate: maximum of 6 semester hours from a previous or concurrent graduate degree or certificate can be transferred toward a graduate certificate.

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- Master's Degree: maximum of 50% of the semester hours (Exception: maximum of 30 semester hours on the 54-credit hour joint master's degree in history are transferable.)
- Specialist's Degree: maximum of 12 semester hours beyond the master's degree if the master's degree was earned at CMU. (Exception: maximum of 9 semester hours beyond the master's degree if the degree was not earned at CMU.)
- Doctoral Degree: maximum of 50% of the post-baccalaureate semester hours. Minimum percentage that must be earned at CMU can vary among academic programs.
- Maximum of 6 semester hours may be transferred from one earned degree to another master's or higher degree program.
- Military coursework: coursework with a grade of outstanding or excellent is transferable.

A separate policy exists for the following: Students entering the Au.D. with a master's degree in Audiology and significant, relevant professional experience. See the Au.D. program description for details. Students in California are limited to six semester hours of prior learning credit according to California regulations. The ACE Guide is consulted, and its recommendations are generally, but not always followed. Coursework which is not transferable may be considered for prior learning credit.

Graduate transfer credits must be appropriate to the student's program, recommended by the student's academic advisor for use on the program plan, and approved by the Vice President/Dean of the Office of Research and Graduate Studies. Transfer credits are not considered in the computation of the student's graduate grade point average. Graduate transfer credit must meet the following criteria:

1. Credits must have been earned at a regionally accredited higher education institution or one of recognized standing (at the time the credits were earned) as defined by the College of Graduate Studies.
2. The credits are not in violation of any pertinent university or College of Graduate Studies regulation, procedure, or policy;
3. The credits do not correspond to a course previously taken at CMU;
4. The credits were earned within the time limit for program completion. Credits from a prior graduate degree or certificate that are to be applied to a doctoral degree may be exempt for the time limit for doctoral degree completion (see individual program description);
5. The credits are appropriate to the student's program and are not in conflict with credit limitation specified elsewhere in the Graduate Bulletin;
6. As certified on the official graduate transcript, courses must be at the graduate level.
7. The grade for the credits must be B or higher. Ungraded course work will not be accepted in transfer unless accompanied by evidence that the work was of B or higher quality. Military coursework with a grade of outstanding or excellent is transferable. At the discretion of the department, coursework that is not transferable may be considered for prior learning credit.
8. The student is in good standing (cumulative graduate GPA of 3.0 or higher) at the institution at which the credit was earned.
9. Doctoral degree students must have regular admission to their degree program;
10. The student is responsible for having official graduate transcripts sent by the institution at which the credit was earned directly to CMU Global Campus, 802 Industrial Drive, Mt. Pleasant, MI and for completing the most recent version of the Graduate Transfer Credit Request form (www.grad.cmich.edu/forms.htm).
11. The credits must be approved by the student's academic advisor (for graduate certificates and Master's degrees) or Program Director (doctoral degrees) and the Vice President/Dean of the Office of Research and Graduate Studies.
12. Courses earned by correspondence will be eligible for graduate transfer credit unless otherwise stipulated in department admission requirements.

13. Transfer credits must be earned within the time limit for program completion. Transfer credits are not eligible for extension of time consideration.

Transfer credits are not included in the computation of the student's CMU graduate grade point average.

Students who seek to transfer credit should begin the process by giving their academic advisor copies of course catalog descriptions or syllabi. After reviewing the materials, the academic advisor will indicate which work might be appropriate for use on the program plan. The student is responsible for requesting an official transcript(s) of the credits be sent directly to CMU, 802 Industrial Drive, Mt. Pleasant, MI, 48858, by the registrar of each institution from which the credit was earned. The academic advisor then initiates the Graduate Transfer Credit Request (GTCR) form which recommends to the Vice President/Dean of the Office of Research and Graduate Studies that the transfer of coursework be approved. All transfer credits must be approved by the academic advisor and the Vice President/Dean of the Office of Research and Graduate Studies.

Students may request pre-approval of a course's content for possible transfer credit. Students should note that pre-approval by Graduate Studies does not guarantee the courses will be approved once a Graduate Transfer Credit Request form is submitted. Pre-approvals only indicate the likelihood that the coursework will transfer.

The Prior Learning Assessment Credit Process

The Prior Learning Student Handbook, required forms, and sample undergraduate and graduate portfolios are available on the Prior Learning Website <http://global.cmich.edu/prior-learning>. Students should review this material carefully before beginning work. The Prior Learning Student Handbook is an essential guide, and the forms are a required part of the student's portfolio. Portfolios must be typed or machine printed. Handwritten portfolios are not acceptable.

Portfolios should be submitted as early as possible in the degree program since an early evaluation of prior learning assessment credits enables the student to plan her or his degree program more efficiently. Graduate prior learning assessment credit applications should be submitted within four months (120 days) of a student's admission. Completed portfolios and the appropriate fee should be sent to: Prior Learning Assessment, Central Michigan University, Global Campus, 802 Industrial Drive, Mount Pleasant, MI, 48858.

The evaluation of portfolios is usually completed within 9-12 weeks. Students should submit two complete copies of their portfolios in separate notebooks; if they do not, evaluation time will be lengthened.

After being notified of their prior learning assessment credit award, students are responsible for consulting with their academic advisor. The academic advisor determines which prior learning assessment credits may be applied to the student's program plan.

Portfolios are evaluated using performance criteria established and administered by a trained team of university graduate faculty members. Typical criteria include such things as the amount and level of decision-making responsibility; the number of and reporting relationships with subordinates and colleagues; the span of financial control; the activity time span, training experience duration, preparation and results; and the overall level of responsibility or expertise required to perform the functions described. All experiences must be thoroughly self-assessed and documented.

The following course numbers are used to record prior learning assessment credits:

Undergraduate:

- UNV 297 (lower division), or
- UNV 497 (upper division)

Graduate:

- UNV 697

An appropriate title and credit hour designation are assigned by the Prior Learning Assessment Team to each award.

Additional Options for Undergraduates Only

Undergraduate students may be granted credit at CMU by earning high scores on the following specified examinations: Advanced Placement (AP), College Level Examination Program (CLEP), and International Baccalaureate.

Accepted Advanced Placement Program Examinations

Undergraduate students may be granted credit at CMU by earning the Minimum Score Required on specified exams listed in the table below. The courses on this list are approved by individual academic departments and are subject to change. To have Advanced Placement credit granted at CMU, you must have College Board send your exam results to Central Michigan University.

Name of Examination	CMU Equivalent	Course Number	Credit	Min. Score Required
Art: History of Art	Introduction to Western Art, Part I	ART 283	3	3
Art: 2-D Design Portfolio	2-D Design	ART 115	3	3
Art: 3-D	3-D Design	ART 118	3	3
Art: Drawing Studio	Introduction to Drawing	ART 106	3	3
Biology	General Biology	BIO 101	3	3
Chemistry	Survey of Chemistry & Introductory Chemistry Laboratory	CHM 120 & CHM 127	4 1	3*
*Prior to Fall, 2013: CHM 131 (4) with score of 3 or CHM 131/132 (8) with score of 5.				
Computer Science A	Principles of Computer Programming	CPS 180	3	3
Computer Science AB	Introduction to Data Structure	CPS 181	3	3
English Language & Composition	Introduction to Literature	ENG 134	3	4
English Composition and Literature	Introduction to Literature	ENG 134	3	4
Environmental Science	Introduction to Environmental Studies	ENV 101	3	3
Government & Politics: U.S.	Introduction to American Government & Politics	PSC 105	3	3
Government & Politics: Comparative	Introduction to Comparative Politics	PSC 242	3	3
History: European	<ul style="list-style-type: none"> The Development of Western Civilization: From Ancient Times to 1700 A.D. Development of Western Civilization: From 1700 to the Present 	HST 101 or HST 102 HST 101/HST 102	3 6	3 4 or 5
History: U.S.	<ul style="list-style-type: none"> The Quest for Liberty: The United States to 1865 The Struggle for Equality: United States, 1865-present 	HST 111 or HST 112 HST 111/112	3 6	3 4 or 5
History: World	World History to 1500 World History since 1400	HST 201 or 202 HST 201 and 202	3 6	3 4 or 5
Human Geography	Cultures of the World	GEO 121	3	3
Languages:	For each of these examinations, credit will be allowed as follows:			
<ul style="list-style-type: none"> French Language German Language Spanish Language Latin: Literature Latin: Vergil 	<ul style="list-style-type: none"> For a score of 3, credit will be given in the 201 course (4 hours) For a score of 4, credit will be given in the 201 and 202 courses (8 hours) For a score of 5, credit awarded will be determined by the department section for that language based on a review of the examination and an interview with the student. A minimum of 10 hours and a maximum of 12 hours are recommended, with credit to be at the 200 level. For each of these Latin examinations, credit for scores of 3, 4, or 5 will be awarded through Latin: consultation with the department chairperson. 			
Macroeconomics	Principles of Macroeconomics or Principles of Macro- and Global Economics	ECO 201 or 204	3	4
Microeconomics	Principles of Microeconomics or Microeconomic Principles for Business	ECO 202 or 203	3	4
Mathematics: Calculus AB	Calculus I	MTH 132	4	3
Mathematics: Calculus BC	Calculus I and Calculus II	MTH 132/133	8	3
Mathematics: Calculus BC	Subscore AB	MTH 132	4	3
Physics I	College Physics I College Physics Laboratory I	PHY 130QR PHY 170	4 1	3
Physics II	College Physics II College Physics Laboratory II	PHY 131 PHY 171	4 1	3
Physics B	College Physics I and College Physics II	PHY 130QR/131	8	3
Physics C (Mechanics)	University Physics I	PHY 145QR	4	3
Physics C (Electricity & Magnetism)	University Physics II	PHY 146	4	3
Psychology	Introduction to Psychology	PSY 100	3	3
Statistics	<ul style="list-style-type: none"> Introduction to Statistics Elementary Statistical Analysis 	STA 282QR STA 382QR	3 3	3 4

College-Level Examination Program (CLEP)

The College Level Examination Program (CLEP) sponsored by the College Board affords students and prospective students the opportunity to demonstrate their academic proficiency at the freshman-sophomore college level in various general areas and in specific subjects.

Policies concerning the use of CLEP General Examinations at Central Michigan University are developed and controlled by the Academic Senate. The minimum scores for CLEP Subject Examinations are determined by the department authorizing credit for the subject.

When a student submits evidence of achievement by CLEP, this evidence will be evaluated by the Registrar's Office with credit being granted in appropriate areas.

- A. To be eligible for credit for CLEP scores, a student must have been granted regular undergraduate admission at CMU and an official score report must be on file.
- B. The student may not at any time have been enrolled in the course for which credit is being sought nor in a higher-level course in the same subject. A student is not considered to have been enrolled in a course if they have dropped the course during the regular drop/add period at the beginning of the semester.
- C. Credit for the CLEP General Examinations in Humanities and/or Social Science and History will not be granted after university study has begun. In addition, credit earned through CLEP General examinations may not be applied to any University program group requirements. Exceptions: Students with concurrent high school and CMU enrollments or students who have participated in certain special vocationally oriented programs may be eligible to take these examinations. Answers to the specific questions on eligibility can be obtained from the Computer-based Testing Center at 989-774-1092 or http://www.cmich.edu/about/leadership/office_provost/AcademicAffairs/CBTC. Eligibility in individual cases will be determined by the Registrar's Office.
- D. Students may receive three (3) credit hours in ENG 101 for the CLEP College Composition Examination only if that examination is taken before the end of their first college semester. Transfer students may take this examination during their first semester at CMU to meet the Basic Freshman Composition requirement, but no credit will be awarded. Students who have completed or are enrolled in English literature courses are still eligible to earn CLEP credit for ENG 101 since literature and composition courses are different areas of study.
- E. CLEP examination credit may not be used to repeat any course(s) previously taken.
- F. Grades for the CLEP examinations, where credit is granted, will be recorded as Credit (CR) without points.

In the following list, each approved CLEP subject examination is paired with the CMU course in which credit is granted for a score at the 50th percentile or higher.

College Level Examination Program (CLEP)				
Name of Examination	CMU Equivalent	Course Number	Credit	Score Required
American Government	Introduction to American Government & Politics	PSC 105	3	50
Analyzing & Interpreting Literature	Introduction to Literature	ENG 134	3	50
Biology	Concepts of Biology	BIO 101	3	50
Calculus	Calculus I	MTH 132	4	50
Chemistry	Introduction to Chemistry I Introduction to Chemistry II	CHM 131 CHM 131 & 132	4 8	50 61
College Algebra	College Algebra	MTH 107	3	50
College Composition	Freshman Composition	ENG 101	3	50
English Literature	English Literature	ENG 235 & 236	6	49
French Language	Elementary French I Elementary French II Intermediate French I Intermediate French II	FRN 101 FRN 102 FRN 201 FRN 202	4 4 4 4	48 52 57 61
German Language	Elementary German I Elementary German II Intermediate German I Intermediate German II	GER 101 GER 102 GER 201 GER 202	4 4 4 4	43 50 57 63
Humanities	English Credit and Humanities Credit		3 3	50
Introductory Psychology	Introduction to Psychology	PSY 100	3	50
Introductory Sociology	Introductory Sociology	SOC 100	3	50
Pre-Calculus	Pre-Calculus Mathematics	MTH 130	4	50
Principles of Accounting	Introduction to Financial Accounting	ACC 250 or ACC 201	3	50
Principles of Management	Introduction to Management	MGT 312	3	52
Principles of Marketing	Introduction to Marketing	MKT 300	3	50
Social Science and History	Social Science Credit History Credit		3 3	50
Spanish Language	Elementary Spanish I Elementary Spanish II Intermediate Spanish I Intermediate Spanish II	SPN 101 SPN 102 SPN 201 SPN 202	4 4 4 4	46 51 53 58

International Baccalaureate

High school students may be able to receive credit through the International Baccalaureate (IB) Diploma Programme. IB examination scores should be sent for evaluation from the IB Office (New York, Geneva, or London) directly to Registrar's Office, Attention: Transfer Credit, Warriner Hall 212, Central Michigan University, Mt. Pleasant, MI 48859 USA. Strong scores on IB Higher Level examinations may allow for course waiver or course credit.

The following table shows the current credit awarded for specific IB examinations and scores. Additional IB course content and examinations are under review by departments. Contact the Registrar's office for the most current information.

International Baccalaureate					
IB Course Name & Exam Level	Score Required	CMU Equivalent	Credit	Course Number	U.P./Competency*
Biology HL	4 or Higher	General Biology/Concepts of Biology and Biology Credit	6	BIO 101 (3)	IIA
				BIO Credit (2 or 3)	
Chemistry HL	4 or Higher	Chemistry Credit	5	CHM Credit and Lab (5)	IIIB
Economics A HL	5 or Higher	Principles of Macroeconomics and Principles of Microeconomics	6	ECO 201 (3) or ECO 204 (3)	
				ECO 202 (3) or ECO 203 (3)	
English A1 HL	4 or Higher	Freshman Composition and Introduction to Literature	6	ENG 101 (3)	Freshman Composition
				ENG 134 (3)	IB
Foreign Language (see Spanish below)	3 or Higher and Department Review	Must see Department of World Languages and Cultures			
History of the Americas HL	4 or Higher	United States to 1865 and United States 1865 to Present	6	HST 111 (3)	IIIB
				HST 112 (3)	IIIB
History – Europe HL	4 or Higher	History Credit	6	HST Credit (6)	IA
History HL	4 or Higher	The African Experience and History Credit	6	HST 176 (3)	IVB
				HST Credit (3)	
Language A1 HL	4 or Higher	Freshman Composition	3	ENG 101 (3)	Freshman Composition
Mathematics HL	4	Pre-Calculus Mathematics	4	MTH 130 (4)	Mathematics Competency
	5	Calculus I		MTH 132 (4) plus 1 gen. MTH cr.	
	6	Calculus I		MTH 132 (4) plus 2 cr.	
	7 or higher	Calculus I and Calculus II		MTH 132/MTH 133 (8) plus 2 cr.	
Music HL	5 or higher	Listening Experience and Music Credit	5	MUS 114 (3) MUS Credit (2)	IB
Language A1 HL - World Literature	4 or Higher	English Credit	3	ENG Credit (3)	
Philosophy HL	4 or Higher	Introduction to Philosophy and Critical Thinking in Everyday Life	6	PHL 100 (3)	IA
				PHL 105 (3)	
Physics HL	4	University Physics I and University Physics Laboratory I	5	PHY 145QR (4) PHY 175 (1)	IIIB
Physics HL	5 or Higher	University Physics I & University Physics Laboratory I University Physics II & University Physics Laboratory II	10	PHY 145QR(4) and PHY 175 (1)	IIIB
				PHY 146 (4) and PHY 176 (1)	
Psychology HL	4 or Higher	Introduction to Psychology	3	PSY 100 (3)	IIIA
Social and Cultural Anthropology HL	4 or Higher	Anthropology Credit	3	ANT Credit (3)	
Spanish A2 HL	4 or Higher	Spanish Credit	3	SPN Credit (3)	IVB
Visual Arts Option A HL in English	No Credit	No Credit	0	No Credit	

***Note:** The University Program or Competency credit apply only to the course directly to the left of the University Program Group or the competency designator. For example, a score of 4 or higher on the Biology HL exam will gain the student 6 credits, 3 credits for BIO 101 and lab, and 3 unspecified BIO credits. Only BIO 101 with the lab count for University Program Group II-A credit. The unspecified BIO credit does not count toward a University Program requirement.

Graduate Studies Policies

Degree Candidacy

Admission to Candidacy

Specialist's Degree

Admission to graduate study does not imply Admission to Candidacy for any specialist's degree. Admission to Candidacy is granted only after the applicant has:

1. Fulfilled all the prerequisites for admission to the degree program;
2. Fulfilled all special requirements, such as admissions tests, letters of recommendation, and qualifying examinations specified by the department which has jurisdiction over the curriculum;
3. Submitted an Authorization of Degree Program - Graduate form approved and signed by the advisor;
4. Completed at least ten hours of graded graduate coursework on the chosen program at CMU with a cumulative graduate grade point average of 3.0 or higher in all of this work;
5. Filed an Admission to Candidacy - Specialist Degree form approved by the advisor and the department chair and submitted to Center Services.

Doctoral Degree Candidacy

Admission to graduate study does not imply Admission to Candidacy for a doctoral degree. Admission to Candidacy is granted only after the applicant has:

1. Fulfilled all the prerequisites for admission to the degree program;
2. Fulfilled all special requirements, such as admissions tests, letters of recommendation, and additional student background information specified by the department;
3. Submitted an Authorization of Degree Program - Doctoral form approved and signed by the advisor;
4. Completed most of the prescribed coursework for the degree with a cumulative graduate grade point average of 3.0 or higher, satisfied any research or professional tool requirements established by the department, and passed a comprehensive examination conducted and evaluated by the student's examination committee;
5. Filed an Admission to Candidacy - Doctoral Degree form approved by the advisor and the department chair and submitted to Center Services.

Duration of Admission Status: Time for Completion of Degree

After admission to a graduate program of study, students are expected to complete degree or certificate requirements in a responsible and timely manner. For full-time students, two calendar years should be adequate for the completion of most master's degree programs; five calendar years should be adequate for the complete of most doctoral programs. Part-time students may need a somewhat longer period to meet these requirements, but in all instances, coursework and other requirements must be completed within the following time limitations:

1. Graduate Certificate: within seven years;
2. Master's or Specialist's degrees: within seven years;
3. Doctoral Degrees: within eight years if the student had a relevant graduate degree when beginning the program OR within ten years if the student began doctoral study without a relevant prior graduate degree.

Extension of Time Requests

Extension of time requests are serious, and approval by the advisor and department do not guarantee approval by Graduate Studies. Extension of time to complete a degree or certificate are rarely granted and only considered if there are clearly extenuating circumstances. Typically "life" events (employment changes, responsibilities, or promotions, marriage and births) do not count as extenuating circumstances.

Requests must meet ALL of the following for criteria to be considered:

1. Compelling extenuating circumstances;
2. Current knowledge in the subject matter they wish to extend;
3. Steady progress toward the certificate or degree – students that have not been enrolled at CMU for more than two (2) years are not making steady progress;
4. Cannot request transfer credit to be extended;
5. Cannot have previously received an Extension of Time for the same coursework;
6. The number of credits being extended does not exceed nine (9) credits;
7. The extension of time should not exceed 18 months.

Students who wish to submit an extension of time request should contact their Graduation Auditor or Academic Advisor to obtain the form. The completed form along with the required supporting documentation should be submitted electronically to cptrsvc@cmich.edu.

Graduation Requirements

Undergraduate Degree Requirements

Degrees are *not* awarded automatically upon completion of scholastic requirements. Each candidate for a baccalaureate degree shall:

1. Matriculate as a "regular" Global Campus undergraduate student.
2. Fulfill the requirements prescribed on a degree.
3. Complete a major, or a major and a minor, or minors as indicated on the chosen degree and authorized in consultation with her or his advisor.
4. File an application for graduation by the deadline listed on page 55 and pay the appropriate graduation fee with the application.
5. Earn a minimum of 124 semester hours of acceptable credit of which 30 semester hours must have been earned from Central Michigan University. Correspondence credit, advanced placement credit, CLEP credit, hours earned by credit by examination, and prior learning assessment credit may not be applied toward this requirement.
6. Fulfill the general education requirements including University Program and competency requirements or as stipulated on the student's program plan. Students may not take more than two courses or seven hours for CR/NC in the University Program. Students must earn a minimum cumulative grade point average of 2.0 in University Program courses in order to graduate.
7. Present a cumulative grade point average of 2.0 (C) or higher and a grade point average of 2.0 (C) or higher in major(s) or minor(s).
8. Obtain a minimum of 40 semester hours of credit equivalent to the CMU course level of 300 or above, of which 20 semester hours may be prior learning assessment credit.
9. Present a minimum of 124 semester credit hours which may include a maximum of 6 hours of RLA and/or PED activities. Sixty semester credit hours must be earned at an accredited four-year degree-granting institution or from a foreign university or college approved by the government or official regulating agency of the country in which the university or college is located. None of these 60 hours may include physical education activity courses. The Registrar's Office makes the decisions regarding the acceptability of transfer credits according to the Transfer Credit Policy. Appeals of the decisions of the Registrar's Office may be filed with the Board of Appeals.
10. Present no more than 27 hours of course credit from the College of Business Administration. These hours include both business transfer credit and credits earned at Central Michigan University.

Graduation requirements for a baccalaureate degree are based on the regulations and requirements printed in the Global Campus Bulletin in effect at the time of a student's initial registration at a regionally accredited two- or four-year college or university or from a foreign university or college approved by the government or the official regulating agency of the country in which the college or university is located. A Bulletin published after initial registration may be chosen by the student when it is to his or her advantage. The time limitation on this provision is that no student may graduate under the requirements of a Bulletin published more than seven calendar years prior to the date of graduation.

The Global Campus Bulletin covers a 12-month period, July 1 through June 30. Courses, majors, minors, programs, and degrees in this publication are subject to change without notice and may not be available in the future.

Outstanding Scholarship Recognition

The university recognizes the importance of high scholarship and seeks to stimulate and encourage students in high achievement.

Semester Recognition

The Dean's List is published by the Office of Student Affairs, which names students who have achieved a high scholastic standing for a given semester. Students' academic standings are provided by the Office of the Registrar. The Associate Vice President for Student Affairs recognizes this achievement by sending a congratulatory letter and posting the list online: <https://www.cmich.edu/ess/studentaffairs/Pages/Dean's>List.aspx>.

To qualify for this recognition, a student must have earned a grade point average of 3.50 or higher while completing 12 or more letter-graded hours of CMU credit during a given semester. Those students achieving a 4.00 semester grade point average are named to the President's List and will also receive a congratulatory letter.

Undergraduate Graduation with Honors

In order to be graduated with honors a student must have, at the beginning of his or her last required semester, a total cumulative point average at Central Michigan University as indicated in the following table and must at that time have completed 45 hours of residence of which 33 hours must be letter-graded credit.

Point Average

3.90-4.00	Summa Cum Laude
3.75-3.89	Magna Cum Laude
3.50-3.74	Cum Laude

Request Process for Adjustment in Graduate with Honors

A student who has attained, at the end of his or her final semester prior to graduation, 45 hours of residence of which 33 hours are letter graded credit and has attained a GPA that now qualifies him/her for honors or a higher honors classification may request this new honors classification. The student must complete a Request for a Change in Graduation Honors form and submit it to the Registrar's Office.

This request must be made no later than Friday prior to the next graduation date (May, August, December).

Honors for Recomputations

Students who have had a recompilation of grade point average must meet the following criteria to be eligible for graduation with honors: At the beginning of his/her final semester must have completed 45 hours of residence, of which 33 hours are letter graded, and a cumulative point average as indicated in the Graduation with Honors table. Only hours completed after the recompilation are eligible for this requirement.

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Undergraduate Certificates

A credit-bearing Undergraduate Certificate is awarded in recognition of a prescribed pattern of courses and/or experiences when taken together to produce an emphasis that gives a student a competence which is noted on the transcript.

An undergraduate certificate program may be available to degree-seeking or non-degree-seeking students. Undergraduate certificates are able to stand alone, or be part of another curriculum. Some credit-bearing certificate programs are restricted to degree-seeking students only.

Undergraduate Certificates are only noted on the transcripts, no additional form of recognition will be distributed. Students do not participate in commencement ceremonies.

For more information, see Undergraduate Certificates in the index.

Graduate Certificate Requirements

You are eligible to receive a graduate certificate* after you have:

- Received Regular Admission to the graduate program and filed an Authorization of Degree Program - Graduate form approved and signed by a Program plan advisor;
- Completed 15 to 18 hours of graduate coursework approved by the advisor. A maximum of six (6) semester hours from a previous or concurrent graduate degree or certificate can be transferred toward a graduate certificate. Military coursework with a grade of outstanding or excellent is transferable. If a student has not had adequate preparatory coursework for the curriculum chosen and has to take additional coursework to make up any deficiencies, these courses are not included in the fifteen to eighteen hour graduate course work requirement. These courses will, however, be stated on the Authorization of Degree Program - Graduate form. Any course in which the student earns a grade below C is not acceptable in fulfillment of a graduate certificate requirement.
- Fulfilled all of the requirements of the curriculum on which the student is enrolled and all other university regulations pertaining to the program;
- Obtained a cumulative graduate grade point average of 3.0 (B) or higher in graded graduate coursework at CMU and a cumulative graduate grade point average of 3.0 (B) in all coursework on the student's authorized graduate certificate program;
- Completed all requirements for the graduate certificate within seven years after matriculation in the program. Courses completed more than seven years prior to graduation cannot be used to meet graduation requirements without an extension of the time request. Please note that extension of time requests are serious and approval by the advisor and department do not guarantee approval by Graduate Studies. Extensions of time to complete a degree or certificate are rarely granted and only considered if there are clearly extenuating circumstances. Typically "life" events (employment changes, responsibilities, or promotions, marriage and births) do not count as extenuating circumstances. Extension requests are limited to a one time request of twelve to eighteen months and for up to 9 graduate credit hours. See Extension of Time section for further information.
- Made application for the graduate certificate by the deadline (see <http://global.cmich.edu/student/graduation/.aspx>), filed a Graduation Application in Center Services, and paid the required graduation fee.

Master's Degree Requirements

You are eligible to receive a master's degree after you have:

- Received Regular Admission to the degree program and filed an Authorization of Degree Program - Graduate form, approved and signed by the advisor;
- Completed a minimum of thirty hours of graduate work approved by the program director. Courses in which you earn a grade below C are not acceptable in fulfillment of this degree requirement. If you have not had adequate preparatory coursework for the curriculum chosen, you must take additional coursework to make up the deficiencies either in the field of specialization, in cognate

areas, or both, as determined by your advisor. If you must earn more than thirty hours to receive the degree, the additional hours and their nature will be stated in the *Authorization of Degree Program - Graduate* form;

- Fulfilled all of the requirements of the curriculum on which you are enrolled and all other university regulations pertaining to the program;
- Obtained a cumulative graduate grade point average of 3.0 (B) or higher in graded graduate coursework at CMU and a cumulative graduate grade point average of 3.0 (B) in all coursework on the student's authorized degree program;
- Earned at least fifteen of the hours presented for the degree in courses at or above the 600 level;
- Fulfilled all other university regulations pertaining to your program;
- Submitted evidence of scholarship and/or creative or artistic ability beyond the completion of coursework. Two plans, differing to some extent in the various departments, are in general use. Subject to the approval of the major advisor, students may choose either plan.

Plan A consists of coursework, a thesis (6-9 credits), and an oral defense of the thesis.

Plan B consists of primarily coursework, requires no thesis, but must include additional significant evidence of scholarship, such as research, independent studies, internships, or practica and/or creative or artistic ability which the department of the field of specialization may wish to prescribe.

A comprehensive examination over the field of specialization may be required under either Plan A or Plan B. It is the responsibility of the student to complete the Authorization form, obtain the appropriate signatures, and submit the form to Center Services outlining which plan the student will be completing.

- Made application for the degree and diploma by the deadline (see <http://global.cmich.edu/student/graduation/>);
- Completed all requirements for the graduate degree within seven years after matriculation in the program. Courses completed more than seven years prior to graduation cannot be used to meet graduation requirements without an extension of the time request. Please note that extension of time requests are serious and approval by the advisor and department do not guarantee approval by Graduate Studies. Extensions of time to complete a degree or certificate are rarely granted and only considered if there are clearly extenuating circumstances. Typically "life" events (employment changes, responsibilities, or promotions, marriage and births) do not count as extenuating circumstances. Extension requests are limited to a one time request of twelve to eighteen months and for up to 9 graduate credit hours. See Extension of Time section for further information.

- Filed a Graduation Application in Center Services and paid the required graduation fee.

Specialist Degree Requirements

You are eligible to receive the Specialist's in Psychological Services degree or Specialist's in Education degree after you have:

- Received the master's degree, if this is a prerequisite on your curriculum;
- Been admitted to candidacy for the appropriate specialist's degree;
- Completed a minimum of sixty semester hours (thirty hours beyond the master's degree if the master's is required or was earned elsewhere) of graduate work approved by your advisor. Courses in which you earn a grade below C are not acceptable in fulfillment of this degree requirement;
- Fulfilled all of the requirements of the curriculum program in which you are enrolled and all other university regulations pertaining to your program;
- Obtained a cumulative graduate grade point average of 3.0 (B) or higher in graded graduate coursework at CMU and a cumulative graduate grade point average of 3.0 (B) in all coursework on the student's authorized degree program;

6. Completed a thesis or field study as part of your master's or your specialist's degree.
7. Earned at least twenty of the last thirty hours of coursework at or above the 600 level;
8. Made application for the graduate certificate by the deadline (see <http://global.cmich.edu/student/graduation/.aspx>), filed a Graduation Application, and paid the required graduation fee.
9. Completed all requirements for the specialist degree within seven years after matriculation in the program. Courses completed more than seven years prior to graduation cannot be used to meet graduation requirements without an extension of the time request. Please note that extension of time requests are serious and approval by the advisor and department do not guarantee approval by Graduate Studies. Extensions of time to complete a degree or certificate are rarely granted and only considered if there are clearly extenuating circumstances. Typically "life" events (employment changes, responsibilities, or promotions, marriage and births) do not count as extenuating circumstances. Extension requests are limited to a one time request of twelve to eighteen months and for up to 9 graduate credit hours. See Extension of Time section for further information.
10. Filed a Graduation Application in Center Services and paid the required graduation fee.

Doctoral Degree Requirements

You are eligible to receive a doctoral degree as approved and implemented by the university after having:

1. Received a master's or specialist's degree, if this is a prerequisite on the curriculum;
2. Acquired the research skills of the discipline as required by the department;
3. Passed a comprehensive examination or comprehensive clinical assessment evaluated by more than one member of the graduate faculty;
4. Been admitted to candidacy for the doctoral degree (if a Ph.D., Ed.D., or DHA degree program);
5. Completed the minimum of 60 graduate credit hours beyond the bachelor's degree with a cumulative graduate GPA of 3.0 (B) or better and a graduate GPA of 3.0 (B) or better in all coursework on the student's authorized degree program. The required number of graduate credit hours varies by graduate program. Students should check with their department to ensure they are completing the required number of graduate credit hours beyond the bachelor's degree.
6. Maintained at least a cumulative graduate grade point average of 3.0. Courses in which the student earns or has earned a grade below C do not count toward meeting any degree requirements. A student with three or more grades below a B may not be awarded a Ph.D., D.H.A., or Ed.D. degree. Coursework that is not part of the student's doctoral program of study is excluded from this policy. Particular programs may have more stringent grade requirements;
7. Fulfilled all the requirements on the authorized doctoral program as developed by the student and the student's advisor or advising committee. The advisor or advising committee will supervise the program until the degree is completed or until it has been determined that the student should discontinue doctoral study;
8. Earned at least fifteen hours in courses at the 700 level or above (excluding dissertation, doctoral project and internship credits) and fifty of the total hours at the 600 level or above;
9. Prepared a doctoral dissertation, or in the case of some applied programs, a doctoral project. A doctoral project must be conducted under an advisor who meets the requirements for regular graduate faculty status as defined by the Academic Senate's Graduate Education Policy. All other policies and procedures for the doctoral project are to be determined by the academic program and will be presented in the section of the bulletin pertaining to the academic program. For the dissertation, you may receive a minimum of twelve hours of credit and a maximum of thirty-six

hours of credit as specified on the authorized doctoral program under the guidelines of the specific department. The research for the dissertation will be conducted under the guidance of a dissertation supervisor and must be approved by a doctoral committee consisting of at least three graduate faculty members. The student must pass an oral defense of the completed dissertation. The committee members are the examining committee and determine whether the student passes the defense. The dissertation must be prepared according to the regulations prescribed in the Graduate Studies' most recent edition of the Guidelines for the Preparation of Theses, Doctoral Projects, and Dissertations.

10. Completed the requirements for the doctoral degree within eight years prior to the award of the doctoral degree with prior relevant graduate degree and ten years if the student began doctoral study without prior relevant graduate degree. Courses completed outside these time frames cannot be used to meet graduation requirements without an extension of the time request. Please note that extension of time requests are serious and approval by the advisor and department do not guarantee approval by Graduate Studies. Extensions of time to complete a degree or certificate are rarely granted and only considered if there are clearly extenuating circumstances. Typically "life" events (employment changes, responsibilities, or promotions, marriage and births) do not count as extenuating circumstances. Extension requests are limited to a one time request of twelve to eighteen months and for up to 9 graduate credit hours. See Extension of Time section for further information.
11. Filed a Graduation Application in Center Services and paid the required graduation fee.

NOTE: Particular doctoral programs may have more specific or more stringent program requirements.

Thesis, Doctoral Project, Dissertation, or Journal Article

The satisfactory completion of a thesis is a requirement on some master's degree programs and optional on others. The satisfactory completion of a thesis at CMU is a requirement for some specialist's degrees, and satisfactory completion of a doctoral project or dissertation is a requirement for some doctoral degrees. Satisfactory completion is determined by the student's committee, department, college, and Graduate Studies.

Students should be aware that the university has specific policies that govern research involving human or animal subjects and recombinant DNA. Information on experimentation may be obtained from the department chairperson, committee chairperson, or Graduate Studies.

For stylistic guidelines, students are expected to follow the most recent Graduate Studies' requirements, which are explained in the Guidelines for the Preparation of Theses, Doctoral Projects, Dissertations, and Journal Articles. These guidelines are available online at www.grad.cmich.edu.

Theses/doctoral projects/dissertations/journal articles are evaluated by a committee. Students should consult their advisor in selecting a committee chairperson and at least two committee members. The advisor may or may not be the committee chairperson, depending upon the student's academic emphasis. One member of the committee may be from a discipline other than that of the student's area of concentration. All members of the committee must have graduate faculty status. Students can check their committee members' status by contacting Graduate Studies.

For theses/doctoral projects/dissertations/journal articles completed through Central Michigan University's Global Campus, one of the three committee members must be a CMU main campus regular faculty member or a regular faculty member from a collaborating university (such as in a joint program), or if all committee members are from Global Campus, the committee chair must meet the requirements for regular graduate faculty status as defined by the Academic Senate's Graduate Education Policy and be approved as committee chair by the department.

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The chairperson of the thesis/doctoral project/dissertation/journal article committee will have active direction of the work, but may wish to consult with other members of the committee about matters pertinent to its development. The committee as a whole, however, will determine the quality of the work.

After a committee has been selected and a topic chosen, a Prospectus - Theses, Doctoral Projects, Dissertations, and Journal Articles form must be completed by the student and approved at the department level as well as by the Vice President/Dean of the Office of Research and Graduate Studies as well as the committee verified by Graduate Studies. A student may not enroll for more than three credits of the thesis or dissertation and projects must not be undertaken until this has taken place. Projects undertaken prior to the Vice President/Dean of the Office of Research and Graduate Studies approving the Prospectus may be denied, the project deemed invalid, and the student will have to begin the thesis/doctoral project/dissertation process anew. The department may require a more detailed prospectus.

Each student who writes a thesis/doctoral project/dissertation/journal article must enroll for such credit. Letter grades are not used in the evaluation of the thesis/doctoral project/dissertation/journal article; therefore, the student's grade point average is not affected by credit earned for these. In all departments the thesis/doctoral project/dissertation/journal article is designated as credit (CR) if acceptable and no credit (NC) if not acceptable. Students will receive 6-9 semester hours of credit for an acceptable thesis/journal article. For a doctoral project/dissertation/journal article, a minimum of twelve and a maximum of thirty-six semester credit hours may be earned depending on the guidelines for the specific department.

Final Stages of Thesis, Doctoral Project, Dissertation, or Journal Article Preparation

The final draft of the defended, committee-approved thesis/doctoral project/dissertation/journal article must be submitted to Graduate Studies for approval according to the deadlines set forth by Graduate Studies. Typically these dates can be found on the inside cover of the Graduate Bulletin and within the Guidelines for the Preparation of Theses, Doctoral Projects, Dissertations, and Journal Articles. Failure to meet this deadline or any departmentally stipulated deadline may result in the student's graduation being delayed until the following semester. Students and Committee Chairs should consult the Guidelines for the Preparation of Theses, Doctoral Projects, Dissertations, and Journal Articles for the current process and University expectations.

Field Study

A field study requires the student to conduct a major project approved and directed by an advisor who meets the requirements for regular graduate faculty status as defined by the Academic Senate's Graduate Education Policy. Upon completion of the field study, the student must pass a publicly announced oral defense of the project.

Application for Graduation

The three official graduation periods each year at Central Michigan University are in May, August, and December. Students must meet all requirements stated for her or his course of study and must submit a *Graduation Application for Bachelors, Certificates, Doctorates, Master's or Specialist Degrees* with the appropriate fee before the period when the student anticipates completion of her or his program.

A student who fails to complete her or his program requirements by the deadline for which he or she has applied will be required to submit a new graduation application with the appropriate fee.

The below deadlines are subject to change, and a student planning to apply for graduation/certificate completion should contact the program center office to determine current deadlines.

Application filed by:	Requirements fulfilled by:	To be eligible for graduation:
December 1	May 15	May
April 1	August 15	August
July 1	December 31	December

Graduation Ceremonies

All students receiving degrees and graduate certificates are invited to participate in the official graduation ceremonies conducted in May and December of each year on Central Michigan University's main campus in Mount Pleasant. Campus graduation ceremonies will be held in December and May.

To participate in any graduation or recognition ceremony, students are required to have submitted a graduation application for the corresponding graduation period.

Due to the nature of doctoral ceremonies, all doctoral candidates must meet all required deadlines and requirements for graduation prior to the graduation ceremony in which they are participating. To be considered for attendance at doctoral ceremonies, students must have submitted their committee approved thesis, dissertation or doctoral project by the required deadline set by the department and/or Graduate Studies. Failure to meet this deadline will prevent doctoral candidates from participating in any ceremony. Contact your Program Administrator for these deadlines.

Information about graduation ceremonies on CMU's main campus is mailed to prospective graduates four to six weeks prior to the event.

Diplomas are not distributed during the graduation ceremonies but are sent to students by mail. Graduates generally receive their diplomas within two months following the ceremony.

Graduation ceremonies are also scheduled at a number of Global Campus locations. Detailed information and schedules may be obtained through the Program Administrator.

Course Delivery Formats

Courses in distance learning format (e.g. Web-based courses and other non-face-to-face formats for delivering instruction) may be used to complete degree requirements unless otherwise specifically excluded. CMU courses and programs approved for distance learning delivery (as well as restrictions) are given in the descriptions of courses, majors, minors and degrees in this *Bulletin*.

Student Records

A separate university policy, titled "Policies and Procedures Concerning the Custody of Student Educational Records," explains in detail the procedures to be used by Central Michigan University for compliance with the provisions of the Family Educational Rights and Privacy Act. Copies of the policy are available in the program center office.

Official student records are maintained on the campus in Mount Pleasant, Michigan. Permanent records or transcripts are maintained on all individuals who earn credit at Central Michigan University. These permanent records are maintained by the Registrar of Central Michigan University.

Records of applications and correspondence regarding admission, academic transcripts from other institutions, transfer credit, prior learning, graduation, and other academic issues are maintained on CMU's main campus. See admissions section for information on inactive and no-show students.

California: In compliance with California's Reform Act, Central Michigan University's Camp Pendleton office will maintain records for a minimum period of five years. These records include written records and transcripts used in the admission decision process, financial aid, registration information, final grade lists, and copies of the CMU transcripts.

Academic Information

The Program plan

The program plan is a key to achieving the student's academic goals. It describes the degree or certificate requirements and specifies courses selected to meet them. The Undergraduate Program plan or the Graduate Program plan is developed in consultation with an academic advisor. A program plan should be prepared after a student is granted regular admission status. The plan may be amended, if necessary. The program plan and any amendments are recommended by the academic advisor, in consultation with the student. Final approval of program plans and amendments rests with the appropriate academic director. For example, MSA plans must be approved by the MSA director and undergraduate plans must be approved by the Undergraduate Extended Degree Programs director. The academic advisor will determine when the plan will be sent to the academic director for approval. For review by the academic director, plans and amendments are forwarded to the Mount Pleasant office of Global Campus.

Multiple Undergraduate Degrees/ Concentrations

A student may apply for a second baccalaureate degree from CMU if the degrees are different and the following criteria are met. To earn two baccalaureate degrees from Central Michigan University at the same time a student must:

1. Satisfy all requirements for each of the two degrees, including graduation and degree requirements.
2. Present a minimum of 154 semester hours of acceptable credit.
3. Present a minimum of 60 semester hours from CMU, of which at least 30 hours must have been earned by CMU classes. Correspondence credit, advanced placement credit, CLEP credit, hours earned by credit by examination and prior learning assessment credit may not be applied toward this requirement.

To earn a second baccalaureate degree from Central Michigan University after having earned the first degree, a student must:

1. Satisfy all requirements for the second degree, including graduation and degree requirements.
2. Present a minimum of 30 semester hours of credit from CMU beyond those required for the first degree. The additional hours need not be taken after completion of requirements for the first degree.
3. Present a minimum of 60 semester hours from CMU, of which at least 30 have been earned by CMU classes or Web-based courses. Correspondence credit, Advanced Placement credit, CLEP credit, hours earned by Credit by Examination and Prior Learning Assessment credit may not be applied toward this requirement.

To earn a second baccalaureate degree after earning the first degree from another regionally accredited, four-year, degree-granting institution, or from a foreign university or college approved by the government or the official regulating agency of the country in which the university or college is located, a student must:

1. Satisfy all requirements for the second degree, including graduation and degree requirements.
2. Present a minimum of 30 semester hours of additional credit from CMU, of which at least 15 semester hours have been earned by CMU classes or Web-based courses. Correspondence credit, Advanced Placement credit, CLEP credit, hours earned by Credit by Examination and Prior Learning Assessment credit may not be applied toward this requirement.

Dual undergraduate concentrations are available. Contact an academic advisor for information.

Requirements for Undergraduate Certificates

A credit-bearing Undergraduate Certificate is awarded in recognition of a prescribed pattern of courses and/or experiences when taken together to produce an emphasis that gives a student a competence which is noted on the transcript.

Undergraduate Certificates are able to stand alone, or be part of another curriculum. Some credit-bearing certificate programs are restricted to degree-seeking students only.

Students cannot receive a certificate with the same name as their major, minor, concentration or option OR due to the fact that the subset of courses is already on the student's major, minor, concentration, or option.

Undergraduate certificates will be posted to the student's transcript upon their completion when all the following conditions have been met. Undergraduate certificates are only noted on the transcripts, no additional form of recognition will be distributed. Students do not participate in commencement ceremonies.

The candidate for an Undergraduate Certificate shall:

1. Matriculate as a regular undergraduate student or a Non-degree Special Admission student for Global Campus enrollment.
2. Complete an approved Program plan with Global Campus for an Undergraduate Certificate and complete twelve (12) to eighteen (18) hours as stated on the Program plan.
3. Six (6) hours must be at the 300-level or above for a 12- to 15-credit hour certificate and nine (9) hours for a 16- to 18-hour certificate must be earned from Central Michigan University.
4. Present a cumulative grade point average of 2.00 (C) or higher in the Undergraduate Certificate. All courses must be letter graded with the exception of those courses exclusively offered credit/no credit.
5. File an application for an Undergraduate Certificate by the listed deadline and pay the appropriate application fee.

For Undergraduate Certificates offered on CMU's main campus, see the Undergraduate Bulletin for information.

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Graduate Certificate Programs

Dual concentrations are not available under the MSA program. However, students may earn certificates in additional concentrations. Graduate certificates are available in Acquisitions Administration, Engineering Management, General Administration, Health Services Administration, Human Resources Administration, Information Resource Management, International Administration, Leadership, Long-Term Care Administration, Philanthropy and Fund Raising, Public Administration, Recreation and Park Administration, Research Administration, and Vehicle Design and Manufacturing Administration. These 15-18 credit hour programs are designed for regularly admitted graduate students who desire advanced training in the field of administration. Up to six hours of transfer credit may be used on the certificate program. Coursework and other requirements must be completed within seven years prior to the awarding of a graduate certificate. Credits successfully earned for an MSA certificate program may be applied toward the MSA degree in the same concentration. In addition, graduate certificates are available in College Teaching, Cybersecurity, Enterprise Systems (SAP), Health Systems Leadership, International Health, Logistics Management, and Nutrition and Dietetics.

Note: CMU is not currently accepting students into the following certificate programs: Long-Term Care Administration and Vehicle Design & Manufacturing.

Additional Graduate Degrees

A student who holds a master's or higher degree may earn an additional master's degree in another discipline. In any case a maximum of six semester hours submitted in fulfillment of the prior degree programs at CMU or elsewhere may subsequently be transferred to another master's degree program provided the hours apply to the stated requirements of the subsequent program and were earned within seven years of the student's completion of the additional degree.

Courses of Unspecified

Content and Variable Credit

Variable credit courses are identified by a semester hour designation such as 1-3(Spec). The maximum hours that a student may earn in a variable credit course to apply toward graduation is the highest number in the semester hour designation of the course (i.e., 3 hours maximum in the example listed above).

Unspecified content courses are defined to be courses in which the student or department is not restricted by the course description in the Graduate Bulletin to a specific area or subject matter to be included within the course.

It is up to each graduate advisor to ensure that a student's authorized program plan has sufficient university-approved coursework to provide the student with a solid grounding in the academic discipline. In order to assist advisors, a list of variable credit and unspecified content courses is given before the course listings in each department.

Credit Hours

All academic credit is computed in semester credit hours.

Curricular Programs

This section describes the curricular programs available through Global Campus. Because each program is structured to meet the needs of the group being served, not every degree program, certificate, or option is available at every program center. Specific information about individual program offerings is available in center offices. A general listing of the programs available at centers can be found at <http://global.cmich.edu/programs>.

Undergraduate Degree Programs

Students wishing to earn their baccalaureate degree through Central Michigan University's Global Campus may do so in one of two ways. A student may elect to participate in the classroom-based courses offered at program centers. Other students may choose to complete courses through various distance learning activities. Many students combine the two approaches. Whichever approach the student elects, her or his progress toward the degree will be monitored by an academic advisor who will be assigned at the time of admission.

Undergraduate Degree Offerings

Requirements must be met in specific areas of study and a selected area of concentration. Undergraduate degrees require satisfactory completion of a minimum of 124 semester hours of credit and must meet the requirements of general education and the major. At least 30 semester hours must be earned with Central Michigan University. Programs are designed in consultation with an academic advisor.

Undergraduate credit may be earned in these areas by successful completion of courses, examination in the specified areas, or presentation of documented prior learning assessment credit.

Undergraduate degree options delivered outside the state of Michigan are available through CMU Online.

Degrees include:

- Bachelor of Applied Arts (majors: Administration; Fashion Merchandising and Design Major: Product Development Concentration; Fashion Merchandising and Design Major: Visual Merchandising Concentration)
- Bachelor of Science with an option in Community Development
- Bachelor of Science (majors: Administration; Early Childhood Development and Learning Major; Fashion Merchandising and Design Major: Product Development Concentration; Fashion Merchandising and Design Major: Visual Merchandising Concentration; Integrated Leadership Studies Major, Political Science; or Psychology Major)
- Bachelor of Science in Education (B.S. in Ed.) degree, Elementary Provisional Certification (major: Integrated Science). This degree is available in Traverse City and East Lansing, Michigan. Please contact an advisor.
- Bachelor of Science in Engineering Technology (major: Product Design Engineering Technology - available in Troy)

General Education Requirements for Undergraduate Students

I. Introduction

The General Education Program at Central Michigan University provides students with a common set of academic skills, referred to as Competencies, as well as exposure to a broad knowledge base, referred to as the University Program.

Courses in the General Education Program are continuous with the rest of the university curriculum but present material in a manner that links knowledge and skills with the 21st-century lives students will lead after they graduate.

Graduates of Central Michigan University demonstrate an understanding of the basic forces, ideas, and values that shape the world. They are aware of the structure of organized human knowledge--the arts and humanities, natural and social sciences. They can organize and access a broad knowledge base relevant to the modern world. They are skilled in working with others, including those of diverse ethnic and cultural backgrounds, and in thinking reflectively about themselves as individuals and as members of society. Graduates value rational inquiry, honesty in scholarship, and life-long learning.

Specific Student Learning Objectives

The General Education Program is intended to assist students in attaining the specific learning outcomes listed below:

- A. Demonstrate undergraduate level competence in written communication, oral communication, mathematics, and quantitative reasoning.
- B. Examine and conceptualize contemporary problems through the application of procedures common in the natural sciences, social sciences, and humanities.
- C. Display sensitivity to the influence of cultural values and diversity on human functioning.

II. The Competencies

General Education Competencies are important skills that students expand during their course of study at Central Michigan University. Graduates are expected to demonstrate adeptness in the areas of Writing, Oral English, and Mathematics/Quantitative Reasoning. The requirements under each of these competencies were developed to aid students in mastering skills deemed necessary to function as constructive, concerned, and thoughtful persons. See *Additional Guidelines* at the end of this section. Students with transfer credit should pay particular attention to material presented in Section IV: *General Education Program Requirements for Students with Transfer Credit*.

A. Writing Competency (18-21 hours)

The Writing Competency requirement develops the ability to write clearly. Writing can be a tool for organizing and clarifying one's thoughts. Effective written expression is often necessary to contribute to ongoing debates or discussions in personal, civic, and vocational spheres. Students prepare a variety of public texts by applying knowledge of composing processes, rhetorical strategies, and textual conventions. Students must satisfy the *Freshman Composition*, *Intermediate Composition*, and *Writing Intensive* requirements as detailed below.

1. Freshman Composition (3-6 hours)

Students learn how to use composition techniques, strategies for persuasive writing, and modern writing conventions and practices to prepare a variety of papers.

Timeline: Students should enroll in a Freshman Composition course in their first or second semester, and continue to enroll until successfully completed **OR** successfully complete one of the examinations listed in Item c by the end of the first semester.

Requirement: Students satisfy the requirement for freshman composition during their first year of study at CMU. Student ACT or SAT scores and high school GPA can help shape how a student chooses to meet the Freshman Composition requirement. Most students may satisfy the Freshman Composition requirement in one of three ways:

- a. **Earning a grade of C (2.0) or better in ENG 101 Freshman Composition.** Students should enroll in ENG 101 Freshman Composition in either their first or second semester at CMU and continue to enroll in subsequent semesters until the requirement is satisfied.
- OR
- b. **Earning a grade of C (2.0) or better in ENG 103 First Year Writing and ENG 193 Writing Workshop.** Students should enroll in ENG 103 in either their first or second semester at CMU and continue to enroll in subsequent semesters until the requirement is satisfied.
- OR
- c. **Successful completion of a College Level Examination Program examination or an Advanced Placement Examination designated as meeting the Freshman Composition requirement by the end of their first semester at CMU or successful completion of the International Baccalaureate English Language Examination.** Specific information on these examinations, as well as information on the minimum scores required for Freshman Composition credit, can be obtained from the Computer-Based Testing Center (https://www.cmich.edu/office_provost/AcademicAffairs/CBTC/Pages/default.aspx) or call 989-774-1092.

Freshman Composition Requirement for Non-native Speakers of English: Students for whom English is not their native language may fulfill the Freshman Composition Requirement by earning a grade of C (2.0) or better in ELI 198 American Language for International Students: Written Component.

Freshman Composition Requirement for Students in the Honors Program: Honors students may fulfill the Freshman Composition Requirement by earning a grade of C (2.0) or better in ENG 101H.

Freshman Composition Courses:

ELI 198 - American Language for International Students: Writing Component 3(3-0)
 ENG 101 - Freshman Composition 3(3-0)
 ENG 103 - First Year Writing 3(3-0)
 ENG 193 - Writing Workshop 1(Spec)

2. Intermediate Composition (3 hours)

Students acquire writing skills necessary for writing in upper-level major courses and beyond.

Timeline: ENG 201 may be taken only after meeting the Freshman Composition Requirement and must be taken before completing 56 hours of coursework.

Requirement: This requirement is met by earning a grade of C or better in ENG 201 *Intermediate Composition*.

ENG 201 - Intermediate Composition 3(3-0)

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3. Writing Intensive Requirement (WI) (12 hours)

Writing Intensive courses in the University Program help students to learn course content, increase writing fluency, and to help prepare for more formal writing assignments. The purpose of Writing Intensive courses outside of the University Program is to provide practice with the language conventions, writing styles, and formats within a specific discipline or profession.

Timeline: Two of the four courses of the Writing Intensive requirement must be taken before completing 56 hours of coursework. The Writing Intensive requirement must be completely met prior to graduation. *Transfer Students, please see C. Additional Guidelines for Students with Transfer Credit, Item 3, at the end of this section.*

Requirement: Students are required to complete, with a grade of C (2.0) or better, four courses (12 credits) that have a Writing Intensive (WI) designation.

At least 6 hours of Writing Intensive coursework must be in the University Program, and 6 hours of Writing Intensive coursework may be fulfilled by courses outside of the University Program.

Writing Intensive Courses:

The following two groups of courses have been approved as Writing Intensive (check the Course Search and Registration for course sections indicated with a "WI" next to the course number). Some of these courses are also approved as UP Courses and are listed at the end of each subgroup for cross reference purposes.

Writing Intensive Courses

The following courses are always offered as Writing Intensive:

ANT/BIO/CHM 250WI - Water as Life, Death, Power 3(2-2)
 ATR 390WI - Seminar in Athletic Training 3(3-0)
 ATR 478WI - Research Methods in Athletic Training 3(3-0)
 BCA 211WI - Introduction to Writing for Electronic Media 3(3-0)
 BCA 311WI - Electronic Media Copywriting 3(3-0)
 BCA 318WI - Electronic Media Newswriting 3(3-0)
 BCA 411WI - Long-Form Electronic Media Writing 3(3-0)
 BCA 503WI - Critiquing Mass Media 3(3-0)
 BCA 506WI - Series Script Writing For Visual Media 3(3-0)
 BCA 508WI - Screenwriting for Cinematic Narrative 3(3-0)
 BCA 516WI - Electronic Media Management 3(3-0)
 BCA 540WI - Recording Industry & Business 3(3-0)
 BIO 403WI - Undergraduate Research 3-4(Spec)
 BIO/ANT/CHM 250WI - Water as Life, Death, Power 3(2-2)
 BIO 567WI - Biogeochemistry 3(3-0)
 BIS 101WI - Essential Business Communications Skills 3(3-0)
 BIS 260WI - Global Business Communication 3(3-0)
 CGL 496WI - Seminar in Cultural and Global Studies 3(3-0)
 CHM/ANT/BIO 250WI - Water as Life, Death, Power 3(2-2)
 CHM 491WI - Undergraduate Research 1-3(Spec)
 COM 301WI - Survey of Research in Communication 3(3-0)
 EDU 380WI - Interdisciplinary Methods and Pre-Student Teaching 10(Spec)
 EGR 489WI - Senior Design I 3(2-2)
 EGR 499WI - Senior Design II 3(1-4)
 ENG 143WI - Laughing Matters: Comedy and Satire 3(3-0)
 ENG 211WI - Introduction to English Education 3(3-0)
 ENG 234WI - Introduction to Literary Analysis 3(3-0)
 ENG 294WI - Introduction to Creative Writing 3(3-0)
 ENG 301WI - Nonfiction Writing 3(3-0)
 ENG 303WI - Technical Writing 3(3-0)
 ENG 315WI - Teaching Writing in Elementary and Middle Schools 4(3-1)
 ENG 381WI - Children's Literature 3(3-0)
 ENG 391WI - Creative Writing: Fiction 3(3-0)
 ENG 392WI - Creative Writing: Poetry 3(3-0)
 ENG 402WI - Argumentation and Expository Writing 3(3-0)
 ENG 435WI - Senior Seminar: Advanced Literary Analysis 3(3-0)
 ENG 491WI - Advanced Fiction Writing 3-6(3-0)

ENG 510WI - Writing Center Practicum 1-3(Spec)
 ENV 400WI - Environmental Studies Capstone 3(3-0)
 FRN 321WI - France Today 3(3-0)
 FRN 423WI - France at War in the 20th Century 3(3-0)
 GEL 380WI - Hydrogeology 3(2-3)
 GEL 406WI - Senior Thesis 3(Spec)
 GEO 450WI - Geography Capstone 3(3-0)
 HON 201WI - Honors Studies in Human Events and Ideas: First Year Seminar 3(3-0)
 HON 202WI - Honors Studies in the Arts: First Year Seminar 3(3-0)
 HON 203WI - Honors Descriptive Science: First Year Seminar 3(3-0)
 HON 204WI - Honors Quantitative and Mathematical Science: First Year Seminar 3(3-0)
 HON 205WI - Honors Behavioral Sciences: First Year Seminar 3(3-0)
 HON 206WI - Honors Studies in Social Structures: First Year Seminar 3(3-0)
 HON 207WI - Honors Studies in Global Cultures: First Year Seminar 3(3-0)
 HON 208WI - Honors Studies in Racism and Diversity in the U.S.: First Year Seminar 3(3-0)
 HPS 101WI - Introduction to the Health Professions 3(3-0)
 HSC 419WI - Community Health Assessment, Planning and Program Evaluation 3(3-0)
 HSC 538WI - Development of Proposals and Reports in Health Administration 3(3-0)
 HST 100WI - Reconstructing the Past: An Introduction to the Study of History 3(3-0)
 HST 210WI - United States History through Michigan Eyes 3(3-0)
 HST 222WI - Cherokees, Slaves and the Struggle for Racial Justice 3(3-0)
 HST 496WI - Research Seminar 3(3-0)
 IET 324WI - Product Design and Development 3(2-2)
 IND 332WI - Human Shelter and Environment 3(3-0)
 IND 339WI - Interior Design Studio III: Special User Groups 3(1-4)
 IND 432WI - Seminar in Interior Design 3(3-0)
 JRN 107WI - Literary Journalism 3(3-0)
 JRN 202WI - Writing for the Mass Media 3(3-0)
 JRN 205WI - Shaping the Media 3(3-0)
 JRN 312WI - Reporting 3(3-0)
 JRN 348WI - Business Journalism 3(3-0)
 JRN 430WI - Magazine and Feature Writing 3(3-0)
 JRN 450WI - Public Relations Writing 3(3-0)
 JRN 516WI - Public Affairs Reporting 3(3-0)
 JRN 551WI - Case Studies in Public Relations 3(3-0)
 MET 460WI - Global Climate Dynamics 3(3-0)
 MET 480WI - Atmospheric Modeling 3(2-2)
 MUS 314WI - History of Symphonic Literature 3(3-0)
 PAD 523WI - Fundamentals of Grant Writing and Management 3(3-0)
 PHL 490WI - Senior Seminar in Philosophy 3(3-0)
 PHY 491WI - Senior Physics Project 3(Spec)
 PSC 571WI - The Military and Politics 3(3-0)
 REL 501WI - Seminar in the Study of Religion 3(3-0)
 REL 505WI - Research Seminar 3(3-0)
 RPL 580WI - Programming for Therapeutic Recreation 3(3-0)
 SPE 550WI - Teaching Diverse Students in Educational Settings 3(3-0)
 SPN 405WI - Modern and Contemporary Spanish Novel 3(3-0)
 SPN 415WI - Spanish-American Novel 3(3-0)
 SPN 431WI - Advanced Writing in Spanish 3(3-0)
 TAI 586WI - Playwriting 3(3-0)

(See Courses Approved for WI Sections, next page)

Approved for Writing Intensive Sections

The following courses are approved for Writing Intensive; check the Course Registration for WI sections:

ANT 170 - Cultural Anthropology 3(3-0)
 ANT 459 - Anthropology of Religion 3(3-0)
 ART 126 - Introduction to the Visual Arts 3(3-0)
 ART 380 - Greek Art and Architecture 3(3-0)
 ART 381 - Early Christian and Byzantine Art 3(3-0)
 ART 485 - Art after 1945 3(3-0)
 ART 581 - Seminar in Early Modern Art History 3-6(3-0)
 ART 582 - Seminar in Modern and Contemporary Art History 3-6(3-0)
 ART 586 - Special Topics in Art History 3-9(3-0)
 BIO 240 - Conservation of Natural Resources 3(3-0)
 BIO 325 - Biotechnology 3(1-5)
 BIO 338 - Human Ecology 3(3-0)
 BLR 202 - Legal Environment of Business 3(3-0)
 BLR 222 - The Search for Racial Justice through Law 3(3-0)
 BLR 235 - Business Law 3(3-0)
 BLR 325 - Women and the Law 3(3-0)
 BLR 330 - Real Estate Law 3(3-0)
 COM 277 - Video Games and Human Communication 3(3-0)
 COM 468 - Advanced Interpersonal Communication 3(3-0)
 EDU 107 - Introduction to Teaching 3(3-1)
 ENG 134 - Introduction to Literature 3(3-0)
 ENG 141 - Comics, Graphic Novels, and Other Illustrated Texts 3(3-0)
 ENG 142 - Literary Interpretation of Sport 3(3-0)
 ENG 144 - Monsters and Their Meanings 3(3-0)
 ENG 145 - Bestsellers and Prize Winners 3(3-0)
 ENG 175 - The Nature of Language 3(3-0)
 ENG 235 - English Literature: Beginning to Romantic Period 3(3-0)
 ENG 236 - British Literature 3(3-0)
 ENG 251 - American Literature: Colonial Through the Romantic Period 3(3-0)
 ENG 252 - American Literature: Realistic Period to the Present 3(3-0)
 ENG 261 - Masterpieces of Ancient Literature 3(3-0)
 ENG 262 - European Literatures 3(3-0)
 ENG 323 - Fantasy and Science Fiction 3(3-0)
 ENG 327/WGS 327 - Women Writers: Gender, Sexuality, and Literature 3(3-0)
 ENG 349 - Shakespeare 3(3-0)
 ENG 492 - Advanced Poetry Writing 3-6(3-0)
 ENG 493 - Creative Nonfiction 3-6(3-0)
 ENG 514 - Language and Media Discourse 3(3-0)
 ENG 539 - Seminar in Major Nonfiction Writers 3-9(Spec)
 FNS 370 - Nutrition 3(3-0)
 FMD 250 - History of Western Dress 3(3-0)
 FMD 252 - Dress and Culture 3(3-0)
 FRN 201 - Intermediate French I 4(4-0)
 FRN 202 - Intermediate French II 4(4-0)
 FRN 325 - French Literature in Translation 3(3-0)
 FRN 333 - Francophone Literature and Culture 3(3-0)
 FRN 340 - Foreigners in France in the 20th and 21st Centuries 3(3-0)
 FRN 353 - Youth Literature in French 3(3-0)
 FRN 360 - Literature and Culture of Quebec 3(3-0)
 GEO 400 - Geographic Education 3(2-2)
 GEO 531 - Integrated Land Use Planning 3(3-0)
 GER 325 - Modern German Literature in Translation 3(3-0)
 GER 341 - German Cultural History I 3(3-0)
 GER 342 - German Cultural History II 3(3-0)
 GER 343 - Survey of German Literature I 3(3-0)
 GER 344 - Survey of German Literature II 3(3-0)
 GER 345 - Survey of German Literature III 3(3-0)
 GER 347 - German Cultural History III 3(3-0)
 GER 570 - Advanced Grammar and Composition 3(3-0)
 HDF 100 - Lifespan Development 3(3-0)
 HDF 247 - Introduction to Gerontology 3(3-0)
 HON 499 - Senior Project 3-6(Spec)

HST 101 - The Development of Western Civilization: From Ancient Times to 1700 A.D. 3(3-0)
 HST 102 - The Development of Western Civilization: From 1700 to the Present 3(3-0)
 HST 106 - Twentieth Century: Western World Issues 3(3-0)
 HST 110 - The American Experience 3(3-0)
 HST 111 - The Quest for Liberty: The United States to 1865 3(3-0)
 HST 112 - The Struggle for Equality: The United States, 1865-Present 3(3-0)
 HST 120 - Unlikely Princesses: Women of World History 3(3-0)
 HST 163 - The Latin American Experience 3(3-0)
 HST 168 - Modern East Asia 3(3-0)
 HST 176 - The African Experience 3(3-0)
 HST 200 - Medieval Civilization 3(3-0)
 HST 221 - Growing Up in America 3(3-0)
 HST 236 - Babylon and Beyond: Ancient Civilizations of the Near/Middle East 3(3-0)
 HST 237 - Baghdad and Beyond: The Middle East from 600 C.E. 3(3-0)
 HST 238 - Ancient Greece and Rome 3(3-0)
 HST 303 - The American Revolution 3(3-0)
 HST 320 - United States Social History to 1865 3(3-0)
 HST 321 - United States Social History since 1865 3(3-0)
 HST 323 - History of Native Americans 3(3-0)
 HST 324 - "Death is Better than Slavery": African American History to 1877 3(3-0)
 HST 325 - "By Any Means Necessary": African American History, 1877-Present 3(3-0)
 HST 326/WGS 328 - Women in America 3(3-0)
 HST 330 - "We the People": U.S. Constitutional History 3(3-0)
 HST 340 - The High Middle Ages 3(3-0)
 HST 341 - Renaissance and Reformation 3(3-0)
 HST 361/REL 361 - Sinners and Saints of Colonial Latin America 3(3-0)
 HST 505 - Tudor England 3(3-0)
 HST 511 - Colonial British America 3(3-0)
 HST 513 - Era of the Early Republic, 1789-1825 3(3-0)
 HST 514 - Democracy, Expansion, and Reform in America, 1824-1848 3(3-0)
 HST 515 - Civil War and Reconstruction 3(3-0)
 HST 516 - Emergence of Modern America, 1877-1920 3(3-0)
 HST 518 - African Americans and the Law: From Slavery to Civil Rights 3(3-0)
 HST 522 - Indians of the Great Lakes Region 3(3-0)
 HST 525 - The Industrialization of America 3(3-0)
 HST 535 - The Middle East in the Modern Era 3(3-0)
 HST 537 - The Age of Cicero 3(3-0)
 HST 543 - Napoleon 3(3-0)
 HST 558 - Europe, 1914-1945 3(3-0)
 HST 576 - Colonialism in Africa, 1880s-1960s 3(3-0)
 HST 580 - Public History 3(3-0)
 HST 585 - Oral History 3(3-0)
 HUM 303 - Law and Society: Great Trials 3(3-0)
 JRN 207 - Video Games and Mass Communication 3(3-0)
 JRN 372 - The Asian Media and Cross-cultural Mass Communication 3(3-0)
 MUS 114 - Listening Experience 3(3-0)
 MUS 213 - Jazz: An American Art Form 3(3-0)
 MUS 310 - Music and the Mind 3(3-0)
 MUS 311 - Historical Survey of Music II 3(3-0)
 MUS 313 - Musics of the World 3(3-0)
 PAD 210 - Introduction to Public Administration 3(3-0)
 PAD 412 - Nonprofit Administration 3(3-0)
 PAD 413 - Organizational Leadership and Behavior 3(3-0)
 PHL 100 - Introduction to Philosophy 3(3-0)
 PHL 118 - Moral Problems 3(3-0)
 PHL 218 - Ethical Theories 3(3-0)
 PHL 230 - Philosophy of Religion 3(3-0)

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PHL 313 - Justice, Human Rights, and the Philosophy of Nonviolence 3(3-0)
 PHL 335 - Philosophy of Psychology 3(3-0)
 PHL 397 - Special Topics 1-12(Spec)
 PHL 404 - Twentieth Century Philosophy 3(3-0)
 PHL 418 - Advanced Moral Philosophy 3(3-0)
 PHL 422 - Political and Social Philosophy 3(3-0)
 PHL 480 - Philosophy of the Arts 3(3-0)
 PHL 497 - Special Topics in Philosophy 1-12(Spec)
 PSC 100 - Introduction to Political Science 3(3-0)
 PSC 101 - Political Behavior 3(3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 PSC 150 - Introduction to International Relations 3(3-0)
 PSC 261 - State and Local Government 3(3-0)
 PSC 381 - Slavery, Tyranny, Democracy: Classical Origins of Modern Ideas 3(3-0)
 PSC 515 - Comparative Public Policy 3(3-0)
 PSY 285 - Research Methods 3(3-0)
 PSY 385 - Applications of Research Methods 3(3-0)
 REL 101 - World Religions: An Introduction to the Study of Religion 3(3-0)
 REL 130 - Religion in America 3(3-0)
 REL 140 - African-American Religion 3(3-0)
 REL 207/WGS 207 - Women in Religion 3(3-0)
 REL 235 - Religion and Social Issues 3(3-0)
 REL 240 - African-American Religion 3(3-0)
 REL 250 - Creation, Conquest, and Chaos: Introduction to the Old Testament 3(3-0)
 REL 260 - From Gospel to Apocalypse: Introduction to the New Testament 3(3-0)
 REL 302/WGS 302 - Witchcraft, Magic, and Occult Phenomena 3(3-0)
 REL 303/WGS 303 - Goddesses 3(3-0)
 REL 334 - Death and Dying 3(3-0)
 REL 361/HST 361 - Sinners and Saints of Colonial Latin America 3(3-0)
 RPL 358 - Foundations of Outdoor and Environmental Education 3(3-0)
 RPL 430 - Planning Recreation Programs and Events 3(3-0)
 RPL 470 - Park and Natural Resource Management 3(3-0)
 RPL 545 - Marketing of Leisure Services 3(3-0)
 SOC 223 - Urban Structures and Change 3(3-0)
 SPE 210 - History of Disability 3(3-0)
 SPN 201 - Intermediate Spanish I 4(4-0)
 SPN 202 - Intermediate Spanish II 4(4-0)
 SPN 214 - Intermediate Conversation and Composition 3(3-0)
 SPN 376 - Culture and Civilization of Spain 3(3-0)
 SPN 377 - Culture and Civilization of Latin America 3(3-0)
 SWK 450 - Social Welfare Policies and Services II 3(3-0)
 WGS 207/REL 207 - Women in Religion 3(3-0)
 WGS 302/REL 302 - Witchcraft, Magic, and Occult Phenomena 3(3-0)
 WGS 303/REL 303 - Goddesses 3(3-0)
 WGS 327/ENG 327 - Women Writers: Gender, Sexuality, and Literature 3(3-0)
 WGS 328/HST 326 - Women in America 3(3-0)

B. Mathematics and Quantitative Reasoning Competency (6 hours)

The Mathematics/Quantitative Reasoning requirement develops the ability to understand and solve quantitative problems that arise in a variety of contexts.

1. Mathematics Requirement (3 hours)

Students learn tools for understanding patterns that appear in the sciences, as well as the humanities. Students apply algebra to solve quantitative problems.

Timeline: The Mathematics Requirement must be met before students have completed 56 hours of coursework.

Requirement: Student ACT or SAT scores, as well as past coursework in mathematics, can help students select the first course in

mathematics. However, **neither MTH 151 nor MTH 152 may be used to satisfy the Mathematics Requirement, and a single course may not be used to meet both the Mathematics and Quantitative Reasoning Requirements.** A student may satisfy the Mathematics Requirement in one of two ways:

- Earning a grade of C (2.0) or better in ANY mathematics (MTH) or statistics (STA) course numbered 105 or above (excluding MTH 151 or MTH 152), OR
- Successfully completing the Mathematics Competency Examination or any CLEP or AP examination approved for credit in a mathematics (MTH) or statistics (STA) course numbered higher than MTH 105 (excluding MTH 151 or MTH 152).

Mathematics Competency Examination

Students seeking to satisfy the Mathematics Requirement by successfully completing the Mathematics Competency Examination must pass the exam by the time they have completed 56 hours of academic credit at CMU. Students who transfer more than 36 credit hours to CMU may take the competency examination only during their first semester at CMU.

The Mathematics Competency Examination consists of 40 questions. The Mathematics Requirement is satisfied by an overall score of at least 80% on the test. Students will be allowed two retests. Students who fail to obtain an overall score of at least 80% are required to meet the Mathematics Requirement as previously described. The Mathematics Competency Examination is administered by the Computer Based Testing Center (https://www.cmich.edu/office_provost/AcademicAffairs/CBTC/Pages/default.aspx) or call 989-774-1092.

Mathematics Competency Courses

Some of these courses are also approved for UP Subgroup II-B.

MTH 105 - Intermediate Algebra 3(3-0)
 MTH 107 - College Algebra 3(3-0)
 MTH 109 - Plane Trigonometry 3(3-0)
 MTH 113 - Mathematics: A Modeling Approach 3(3-0)
 MTH 130 - Pre-Calculus Mathematics 4(4-0)
 MTH 132 - Calculus I 4(4-0)
 MTH 133 - Calculus II 4(4-0)
 MTH 175 - Discrete Mathematics 3(3-0)
 MTH 217 - Business Calculus 4(4-0)
 MTH 223 - Linear Algebra and Matrix Theory 3(3-0)
 MTH 232 - Linear Algebra and Differential Equations 3(3-0)
 MTH 233 - Calculus III 4(4-0)
 MTH 256 - Algebraic Modeling and Measurement for K-8 Math Teachers 3(3-0)
 MTH 261 - Algebra for Secondary Teachers 3(3-0)
 MTH 278 - Mathematical Models 3(3-0)
 MTH 296 - Special Topics in Mathematics 1-6(Spec)
 MTH 332 - Introduction to Mathematical Proof 3(3-0)
 MTH 334 - Differential Equations 3(3-0)
 MTH 335 - Mathematical Biology 3(3-0)
 MTH 341 - College Geometry 3(3-0)
 MTH 351 - Geometry for K-8 Mathematics Teachers 3(3-0)
 MTH 361 - Field Experience in Teaching Mathematics 1(Spec)
 MTH 362 - Problem-Based and Technology-Enhanced Geometry for Secondary Teachers 3(3-0)
 MTH 363 - Problem-Based Probability and Statistics for Secondary Teachers 3(3-0)
 MTH 375 - Discrete Structures 3(3-0)
 MTH 397 - Independent Study 1-6(Spec)
 MTH 434 - Methods of Applied Mathematics 3(3-0)
 MTH 438 - Numerical Analysis I 3(3-0)
 MTH 439 - Numerical Analysis II 3(3-0)
 MTH 444 - Introduction to Differential Geometry 3(3-0)
 MTH 461 - Teaching of Secondary School Mathematics 4(4-0)
 STA 282QR - Introduction to Statistics 3(3-0)
 STA 382QR - Elementary Statistical Analysis 3(3-0)
 STA 392 - Probability and Statistics for Engineers 3(3-0)

2. Quantitative Reasoning Requirement (3 hours)

Quantitative reasoning involves the application of mathematics in applied contexts. The overarching goal is to establish a foundation for effective quantitative reasoning and problem-solving strategies that are useful for completing a program of study and relevant to the life activities of most people.

Timeline: The Quantitative Reasoning requirement must be met prior to graduation.

Requirement: Students satisfy this requirement by completing an approved Quantitative Reasoning course with a grade of C (2.0) or better. All approved courses have a "QR" designation in the Bulletin. **A single course may not be used to meet both the Quantitative Reasoning and Mathematics Requirements.**

Quantitative Reasoning Courses:

The following courses have been approved for offering as Quantitative Reasoning:

BCA 265QR - Understanding Media Measurement 3(3-0)
 BIO 105QR - Introductory Quantitative Biology 3(2-2)
 BIS 118QR - Introduction to Quantitative Reasoning for Business 3(2-1)
 BUS 300QR - Applied Business Statistics 3(3-0)
 CHM 211QR - Quantitative Analysis 4(3-5)
 CHM 265QR - Chemical Physical Science for Elementary Teachers 2(0-6)
 ECO 222QR - Behavioral Economics 3(3-0)
 EGR 190QR - Digital Circuits 3(3-0)
 ENS 101QR - Of Earth and Us: Introduction to Environmental Science 3(2-2)
 ENV 210QR - Environmental Resource Use 3(3-0)
 FMD 355QR - Textile Analysis 3(2-2)
 GEL 130QR - Earth Processes 3(2-2)
 GEO 120QR - Environmental Geography 3(3-0)
 GEO 203QR - Introduction to Geographic Information Science 3(2-2)
 HDF 214QR - Consumer Economics 3(3-0)
 HSC 106QR - Healthy Lifestyles 3(2-1)
 IET 181QR - Alternative Energy Analysis 3(2-2)
 IET 223QR - Lean Six Sigma for Process Improvement 3(3-0)
 ITC 101QR - Reasoning Through Computer Visualization 3(2-2)
 JRN 203QR - Information Gathering for the Mass Media 3(3-0)
 MET 101QR - Our Changing Climate 3(2-2)
 MTH 103QR - Quantitative Reasoning for Informed Citizens 3(3-0)
 PAD 380QR - Public Sector Research Methods 3(3-0)
 PES 186QR - Principles of Physical Fitness for Lifelong Wellness 3(3-0)
 PES 218QR - Sport Analytics 3(3-0)
 PHL 145QR - Reasoning and Probability 3(3-0)
 PHS 265QR - Quantitative Physical Science 2(1-3)
 PHY 105QR - Energy and Society: A Quantitative Perspective 3(3-0)
 PHY 130QR - College Physics I 4(4-0)
 PHY 145QR - University Physics I 4(4-0)
 PHY 247 QR - Introduction to Modern Physics 3(3-0)
 PSC 180QR - Polls, Politics and Policy 3(3-0)
 PSY 211QR - Introduction to Psychological Statistics 3(3-0)
 RPL 508QR - Budgeting & Funding for Leisure Service Agencies 3(3-0)
 SEP 300QR - Sustainability and Environmental Policy 3(3-0)
 SOC 150QR/SWK 150QR - Public Opinion, Social Sciences, and Social Welfare 3(3-0)
 STA 103QR - Evidence-based Problem Solving in Modern Society 3(3-0)
 STA 282QR - Introduction to Statistics 3(3-0)
 STA 382QR - Elementary Statistical Analysis 3(3-0)
 SWK 150QR/SOC 150QR - Public Opinion, Social Sciences, and Social Welfare 3(3-0)

C. Oral English Competency (3 hours)

The Oral English Competency develops the ability to interpret, compose, and present information in oral form to specific audiences.

Timeline: The Oral English Competency must be met before students complete 56 hours of coursework. Because of this timeline, students seeking to satisfy this requirement by successfully completing the Oral English Competency Examination must pass the exam by the time they have completed 56 hours of academic credit at CMU. Students who transfer 36 or more credit hours to CMU may take the Oral English Competency Examination prior to the conclusion of their first year of study at CMU.

Requirement: Past coursework in debate, speech, and oral communication can help to determine how students choose to meet the Oral English Competency. There are two ways students may satisfy the Oral English Competency:

1. **Earning a grade of C (2.0) or better in one of the following courses:** COM 101, 267, 269, 357, TAI 170, 302 (see course titles and descriptions below). **OR**
2. **Earning a passing score on the Oral English Competency Examination.** The Oral English Competency Examination requires the development and delivery of a ten-to-fifteen minute public speech accompanied by a properly typewritten and detailed outline. The student delivers the speech, which is evaluated by a faculty member assigned to oversee the examination. Students receive written feedback, and students who receive unsatisfactory examination results will be allowed one retest. Students who fail twice are required to obtain a grade of C (2.0) or better in one of the Oral English Competency courses listed above.

For Main Campus Students, the Oral English Competency Examination is administered twice a year on the Friday prior to the beginning of the fall and spring semesters. Guidelines, registration materials, and other information can be obtained by contacting the Computer Based Testing Center (https://www.cmich.edu/office_provost/AcademicAffairs/CBTC/Pages/default.aspx) or call 989-774-1092.

For Global Campus students, the examination is administered five times a year. Information can be obtained by contacting the student's Academic Advisor or CMU Online at 888-688-4268.

Oral English Competency Requirement for Non-native Speakers of English: Students for whom English is not their native language may fulfill the Oral English Competency Requirement by earning a grade of C (2.0) or better in ELI 199 American Language for International Students: Speech Component. (See description below)

Oral English Competency Courses:

The following courses are approved for Oral English Competency. TAI 170 is also approved for UP Subgroup I-B.

COM 101 - Introduction to Communication 3(3-0)
 COM 103 - Oral Communication in the Online Environment 3(3-0)
 COM 267 - Introduction to Debate 3(3-0)
 COM 269 - Practicum in Debate/Forensics 2-8(Spec)
 COM 357 - Public Speaking 3(3-0)
 ELI 199 - American Language for International Students: Speech Component 3(3-0)
 TAI 170 - Oral Interpretation of Literature 3(3-0)
 TAI 302 - Voice and Diction 3(3-0)

Additional Guidelines for the Competencies

1. A student must meet the requirements in each of the competency areas described in the Undergraduate Bulletin under which the student graduates.
2. A student attempting to satisfy a specific competency requirement in a given academic year will use the method(s) and requirement(s) in their bulletin year.
3. A competency requirement in a specific area, once satisfied, remains valid until the student graduates.
4. If the chairperson of the department most directly concerned with a competency judges that a student has satisfied a competency requirement by means other than those described above, that chairperson will certify in writing to the Registrar that the student has satisfied the requirement. These competencies and departments include: **Writing Competency** - Department of English Language and Literature; **Oral English Competency** - Department of Communication and Dramatic Arts; **Mathematics & Quantitative Reasoning Competency** - Department of Mathematics.

III. The University Program (27 hours)

Courses in the University Program introduce students to the major fields of human knowledge. A primary goal is to provide students with the conceptual tools necessary to provide order and meaning to the information acquired over the course of their lives. Courses included in the University Program were selected to aid students in developing a broad conceptual understanding that ultimately helps graduates function as concerned and thoughtful persons. Courses are identified by a three letter code, called a designator, as well as by a course number. Course designators refer to the areas of study. Each group is divided into two subgroups. Students are required to take at least one course from each subgroup plus an additional course from one of the subgroups as an elective, if needed, to total 27 hours. This typically results in taking nine courses with different designators, but students have the option of repeating a designator once. A passing grade must be obtained in each course and students must maintain an overall average of C (2.0) or better in the University Program courses. See *Additional Guidelines* at the end of this section. Students with transfer credit should pay particular attention to material presented in Section IV: *General Education Program Requirements for Students with Transfer Credit*.

Two of the University Program courses must be used to earn at least six Writing Intensive credits. Course sections approved for Writing Intensive will be designated as WI sections in the Course Search and Registration. **Courses counted as Writing Intensive must have a grade of C or better.**

A. Group I - Humanities (6 hours)

As a group, the humanities is defined as those areas of study that examine human experience and achievement in order for us to attain a deeper understanding of the essential characteristics of the human condition and human values. It emphasizes the importance of the study of our cultural and artistic heritage and the individuals, movements, and ideas that have shaped this heritage. Its basic methodologies analyze, critically evaluate, or interpret philosophical movements, historical events, works of art, religious practices and beliefs, and other important aspects of culture so we can understand them in their historical context and fully appreciate their significance. It encourages the recognition of different points of view about interpretations of human events, ideas, values, and artworks, and it debates the ultimate validity and significance of these. To satisfy the Humanities requirement, students must select one course from each of the two subgroups.

Subgroup I-A: Human Events and Ideas (3 hours)

Select from the following:

- ART 283 - Introduction to Western Art, Part I 3(3-0)
- ART 285 - Introduction to Western Art, Part II 3(3-0)
- ART 363 - History of Design: 1750-2010 3(3-0)
- BCA 101 - History and Appreciation of the Cinema 3(2-2)
- ENG 144 - Monsters and Their Meanings 3(3-0)
- ENG 235 - English Literature: Beginning to Romantic Period 3(3-0)
- ENG 236 - British Literature 3(3-0)
- ENG 251 - American Literature: Colonial Through the Romantic Period 3(3-0)
- ENG 252 - American Literature: Realistic Period to the Present 3(3-0)
- ENG 261 - Masterpieces of Ancient Literature 3(3-0)
- ENG 323 - Fantasy and Science Fiction 3(3-0)
- ENG 330 - Gods, Monsters, and Immortality: Mythic Literature 3(3-0)
- ENG 381WI - Children's Literature 3(3-0)
- GER 325 - Modern German Literature in Translation 3(3-0)
- HON 201WI - Honors Studies in Human Events and Ideas: First Year Seminar 3(3-0)
- HST 101 - The Development of Western Civilization: From Ancient Times to 1700 A.D. 3(3-0)
- HST 102 - The Development of Western Civilization: From 1700 to the Present 3(3-0)

- HST 110 - The American Experience 3(3-0)
- HST 120 - Unlikely Princesses: Women of World History 3(3-0)
- HST 200 - Medieval Civilization 3(3-0)
- HST 238 - Ancient Greece and Rome 3(3-0)
- HST 326/WGS 328 - Women in America 3(3-0)
- HST 340 - The High Middle Ages 3(3-0)
- HST 341 - Renaissance and Reformation 3(3-0)
- HUM 303 - Law and Society: Great Trials 3(3-0)
- JRN 107WI - Literary Journalism 3(3-0)
- PHL 100 - Introduction to Philosophy 3(3-0)
- PHL 118 - Moral Problems 3(3-0)
- PHL 218 - Ethical Theories 3(3-0)
- PHL 230 - Philosophy of Religion 3(3-0)
- PHL 325 - Philosophy of Mind 3(3-0)
- PSC 275 - Great Political Thinkers 3(3-0)
- PSC 371 - American Political Thought 3(3-0)
- PSC 378 - Modern Democratic Theory 3(3-0)
- PSC 381 - Slavery, Tyranny, Democracy: Classical Origins of Modern Ideas 3(3-0)
- PSC 382 - Modern Political Theory 3(3-0)
- REL 101 - World Religions: An Introduction to the Study of Religion 3(3-0)
- REL 130 - Religion in America 3(3-0)
- REL 207/WGS 207 - Women in Religion 3(3-0)
- REL 235 - Religion and Social Issues 3(3-0)
- REL 250 - Creation, Conquest, and Chaos: Introduction to the Old Testament 3(3-0)
- REL 260 - From Gospel to Apocalypse: Introduction to the New Testament 3(3-0)
- REL 313 - Christianity 3(3-0)
- REL 315 - Judaism 3(3-0)
- REL 334 - Death and Dying 3(3-0)
- WGS 207/REL 207 - Women in Religion 3(3-0)
- WGS 328/HST 326 - Women in America 3(3-0)

These I-A courses are approved for offering as WI: ENG 144, 235, 236, 251, 252, 261, 323, 381WI; FRN 325; GER 325; HON 201WI; HST 101, 102, 110, 120, 200, 238, 326, 340, 341; HUM 303; PHL 100, 118, 218, 230; JRN 107WI; PSC 381; REL 101, 130, 207, 235, 250, 260, 334; WGS 207, 328.

Subgroup I-B: The Arts (3 hours)

Select from the following:

- ART 126 - Introduction to the Visual Arts 3(3-0)
- BCA 300 - African and African American Film 3(3-0)
- ENG 134 - Introduction to Literature 3(3-0)
- ENG 141 - Comics, Graphic Novels, and Other Illustrated Texts 3(3-0)
- ENG 142 - Literary Interpretation of Sport 3(3-0)
- ENG 143WI - Laughing Matters: Comedy and Satire 3(3-0)
- ENG 145 - Bestsellers and Prize Winners 3(3-0)
- ENG 234WI - Introduction to Literary Analysis 3(3-0)
- ENG 326 - The Literary Dimensions of Film 3(2-2)
- FMD 250 - History of Western Dress 3(3-0)
- FMD 280/WGS 280 - Queer Fashion 3(3-0)
- HON 202WI - Honors Studies in the Arts: First Year Seminar 3(3-0)
- HST 335 - History of the Rock and Roll Era 3(3-0)
- HST 346 - The World of Versailles: Power and the Politics of Splendor in 17th- 3(3-0)
- MUS 110 - Music in Society 3(3-0)
- MUS 114 - Listening Experience 3(3-0)
- MUS 213 - Jazz: An American Art Form 3(3-0)
- MUS 310 - Music and the Mind 3(3-0)
- MUS 313 - Musics of the World 3(3-0)
- TAI 170 - Oral Interpretation of Literature 3(3-0)
- TAI 175 - Appreciation of the Theatre 3(3-0)
- WGS 280/FMD 280 - Queer Fashion 3(3-0)

These I-B courses are approved for offering as WI: ART 126, ENG 134, 141, 142, 143WI, 145, 234WI; FMD 250; HON 202WI; MUS 114, 213, 310, 313.

Note: TAI 170 may also count for Oral Competency.

B. Group II - Natural Sciences (6 hours)

As a group the natural sciences explore and examine natural phenomena to establish basic principles concerning the material universe. Its approach includes, but is not limited to, the observation, identification, description, experimental investigation and theoretical explanation of natural phenomena. To these ends the scientific method is crucial, providing the rules for concept formation, conduct of observations and experiments, model-building, and validation of hypotheses by empirical means.

To satisfy the Natural Sciences requirement, students must select one course from each of the two subgroups. At least one of these courses must include a laboratory experience equivalent to at least one laboratory credit hour.

Subgroup II-A: Descriptive Sciences (3 hours)

Select from the following:

- ANT 110 - Meet Your Ancestors and Other Distant Relatives 3(3-0)
- ANT 171 - Human Origins: Introduction to Physical Anthropology 3(3-0)
- ANT 173 - Laboratory in Physical Anthropology 1(0-2)
- AST 111 - Astronomy 3(3-0)
- AST 112 - Introduction to Astronomical Observations 1(0-2)
- BIO 101 - General Biology 3(2-2)
- BIO 110 - Concepts of Biology 4(3-3)
- BIO 111 - Foundations of Evolution and Diversity 4(3-3)
- BIO 151 - Human Biology 3(3-0)
- BIO 165 - Life Science for Elementary Teachers 4(3-3)
- BIO 229 - Nature Study 3(2-3)
- BIO 240 - Conservation of Natural Resources 3(3-0)
- FNS 370 - Nutrition 3(3-0)
- GEL 100 - Introduction to Earth Systems 3(2-2)
- GEL 101 - Physical Geology 3(3-0)
- GEL 102 - Physical Geology Laboratory 1(0-2)
- GEL 105 - Dangerous Planet 3(3-0)
- GEL 205/GEO 205 - Oceanography 3(3-0)
- GEL 230 - Prehistoric Life 3(3-0)
- GEO 105 - Physical Geography 3(2-2)
- GEO 120QR - Environmental Geography 3(3-0)
- GEO 205/GEL 205 - Oceanography 3(3-0)
- HON 203WI - Honors Descriptive Science: First Year Seminar 3(3-0)
- MET 101QR - Our Changing Climate 3(2-2)

These II-A courses satisfying the Group II laboratory requirements:
BIO 105QR, CHM 101, CHM 112, CHM 127, CHM 131, ENS 101QR, GEL 130QR, PHS 151, PHY 127, PHY 170, PHY 175, SCI 285.

These II-A courses are approved for offering as WI: BIO 240, HON 203WI.

Subgroup II-B: Quantitative and Mathematical Sciences (3 hours)

It is recommended that the Mathematics Competency be completed before enrolling in a Subgroup II-B course.

Select from the following:

- BIO 105QR - Introductory Quantitative Biology 3(2-2)
- CHM 101 - Armchair Chemistry 3(2-2)
- CHM 112 - Chemistry and Society Laboratory 1(0-3)
- CHM 120 - Survey of Chemistry 4(4-0)
- CHM 127 - Introductory Chemistry Laboratory 1(0-2)
- CHM 131 - General Chemistry I 4(3-3)
- CPS 180 - Principles of Computer Programming 3(3-0)
- ENS 101QR - Of Earth and Us: Introduction to Environmental Science 3(2-2)
- GEL 130QR - Earth Processes 3(2-2)
- GEO 203QR - Introduction to Geographic Information Science 3(2-2)
- HON 204WI - Honors Quantitative and Mathematical Science: First Year Seminar 3(3-0)
- MET 140 - Severe and Unusual Weather 3(3-0)
- MTH 113 - Mathematics: A Modeling Approach 3(3-0)
- MTH 132 - Calculus I 4(4-0)
- PHL 140 - Introduction to Logic 3(3-0)
- PHL 145QR - Reasoning and Probability 3(3-0)
- PHS 101 - Survey of Physical Science 3(3-0)
- PHS 151 - Introductory Physical Science I 3(2-2)
- PHY 100 - Conceptual Physics 3(3-0)
- PHY 110 - Physics of Sports 3(3-0)
- PHY 127 - Table Top Physics 1(0-2)
- PHY 130QR - College Physics I 4(4-0)
- PHY 170 - College Physics Laboratory I 1(0-2)
- PHY 175 - University Physics Laboratory I 1(0-2)
- SCI 285 - Earth Systems Science for Elementary Teachers 3(2-2)
- STA 382QR - Elementary Statistical Analysis 3(3-0)

These II-B courses satisfy the Group II laboratory requirements:
BIO 105QR, CHM 101, CHM 112, CHM 127, CHM 131, ENS 101QR, GEL 130QR, PHS 151, PHY 127, PHY 170, PHY 175, SCI 285.

This II-B course is approved for offering as WI: HON 204WI.

Mathematics Competency: MTH or STA courses listed in Group II-B may also count for the Mathematics Competency Requirement if not counted for the QR requirement.

C. Group III - Social Sciences (6 hours)

The social sciences are defined as those fields of knowledge and study that explore and examine the social dimension and, where appropriate, the physical environment of human life. In these studies, an attempt is made to understand the behavior of individuals, groups, and institutions and, where possible, to establish scientifically-valid propositions. To satisfy the Social Sciences requirement, students must select one course from each of the two subgroups.

Subgroup III-A: Behavioral Sciences (3 hours)

Select from the following:

- CDO 130 - Normal Speech and Language Acquisition 3(3-0)
- ECO 222QR - Behavioral Economics 3(3-0)
- HDF 100 - Lifespan Development 3(3-0)
- HDF 247 - Introduction to Gerontology 3(3-0)
- HON 205WI - Honors Behavioral Sciences: First Year Seminar 3(3-0)
- IND 332WI - Human Shelter and Environment 3(3-0)
- PSC 101 - Political Behavior 3(3-0)
- PSY 100 - Introduction to Psychology 3(3-0)
- SOC 201 - Social Psychology 3(3-0)

These III-A courses are approved for offering as WI: HDF 247, HON 205WI, IND 332 WI.

(continued)

Subgroup III-B: Studies in Social Structures (3 hours)

Select from the following:

ANT 120 - Ancient Insights Into Current Crises 3(3-0)
 ANT 170 - Cultural Anthropology 3(3-0)
 ANT 200 - Education and Culture 3(3-0)
 ANT 205/SOC 205 - Social Justice in a Global Society 3(3-0)
 ANT/BIO/CHM 250WI - Water as Life, Death, Power 3(2-2)
 BCA 265QR - Understanding Media Measurement 3(3-0)
 ANT/BIO/CHM 250WI - Water as Life, Death, Power 3(2-2)
 BLR 202 - Legal Environment of Business 3(3-0)
 ANT/BIO/CHM 250WI - Water as Life, Death, Power 3(2-2)
 ECO 150 - Current Economic Problems 3(3-0)
 ECO 201 - Principles of Macroeconomics 3(3-0)
 ECO 202 - Principles of Microeconomics 3(3-0)
 ENG 175 - The Nature of Language 3(3-0)
 FMD 252 - Dress and Culture 3(3-0)
 GEO 121 - Human Geography and Globalization 3(3-0)
 GEO 317 - Economic Geography 3(3-0)
 HDF 212 - Families in Cultural Perspective 3(3-0)
 HON 206WI - Honors Studies in Social Structures: First Year Seminar 3(3-0)
 HST 106 - Twentieth Century: Western World Issues 3(3-0)
 HST 111 - The Quest for Liberty: The United States to 1865 3(3-0)
 HST 112 - The Struggle for Equality: The United States, 1865-Present 3(3-0)
 HST 210WI - United States History through Michigan Eyes 3(3-0)
 HST 221 - Growing Up in America 3(3-0)
 HST 321 - United States Social History since 1865 3(3-0)
 JRN 101 - Media and Society 3(3-0)
 JRN 205WI - Shaping the Media 3(3-0)
 JRN 207 - Video Games and Mass Communication 3(3-0)
 JRN 305 - Hackers: The History of Media Innovation 3(3-0)
 MGT 357 - Women in Management 3(3-0)
 PSC 100 - Introduction to Political Science 3(3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 PSC 150 - Introduction to International Relations 3(3-0)
 PSC 151 - The U.S. and the World 3(3-0)
 PSC 242 - Introduction to Comparative Politics 3(3-0)
 PSC 261 - State and Local Government 3(3-0)
 SOC 100 - Introductory Sociology 3(3-0)
 SOC 205/ANT 205 - Social Justice in a Global Society 3(3-0)
 SOC 221 - Social Problems 3(3-0)
 WGS 100 - How Gender Affects Our Lives 3(3-0)

Note: BLR 202, ECO 201, and ECO 202 may not be applied toward the University Program requirements if a student is earning the Bachelor of Science in Business Administration degree.

These III-B courses are approved for offering as WI: ANT 170, 250WI; BIO 250WI; BLR 202; CHM 250WI; ENG 175; FMD 252; GEO 121; HON 206WI; HST 106, 111, 112, 210WI, 221, 321; JRN 205WI, 207; PSC 100, 105, 150, 261.

D. Group IV - Studies in Culture and Diversity (6 hours)

This group focuses on the exploration of cultures and societies outside of the United States (IV-B: Studies in Cultures Outside of the Anglo-American Tradition) and the history and continuing effects of racism for groups within the United States (IV-C: Studies in Racism and Cultural Diversity in the United States). To satisfy the Studies in Culture and Diversity requirement, students must select one option from each of Subgroups IV-B and IV-C.

Subgroup IV-A

PLEASE NOTE: If you enrolled in a prior academic year using a previous *Bulletin* and are required to take courses from Subgroup IV-A on the University Program, please see the *Bulletin* in which you initially enrolled (prior to 2014-15) for a list of Subgroup IV-A courses. For students on the 14-15 *Bulletin* and subsequent years, Subgroup IV-A is not required. Please see an advisor if you have questions about which *Bulletin* year and University Program you should be following.

Subgroup IV-B: Studies in Cultures Outside of the Anglo-American Tradition (3 hours)

Central Michigan University recognizes the potential for applied experiences to impart an understanding of diverse cultures. Therefore, four options are available for meeting the requirement in Subgroup IV-B:

Option 1: Complete at least three credits of study at an institution of higher education located outside the United States. Students planning to study abroad must apply through the Office of Study Abroad (<http://www.studyabroad.cmich.edu>).

OR

Option 2: Complete at least three credits of study in a CMU faculty-led course approved through the Office of Study Abroad and taught outside the United States. To have the course count for credit in Subgroup IV-B, the faculty member leading the course must have approval from the General Education Committee prior to the departure. Information on completing the application can be obtained on the General Education Program website (https://www.cmich.edu/office_provost/AcademicAffairs/gened/Pages/Applied-Experiences.aspx).

Pre-Approved Courses:

BIS 342 - Intercultural Business Communication Abroad 1-9(Spec)
 HDFS 320 - HDFS International Service Learning 3-6(Spec)

OR

Option 3: Complete three credits of applied coursework (e.g., internship, practicum, service-learning project) outside the United States. Students must apply through the Office of Study Abroad. After completing the course, students submit an application for credit in Subgroup IV-B *Studies in Global Cultures* that is evaluated by the General Education Committee. Information on completing the application can be obtained on the General Education Program website (https://www.cmich.edu/office_provost/AcademicAffairs/gened/Pages/Applied-Experiences.aspx).

OR

Subgroup IV-B, continued**Option 4:** Select from the following:

ANT 175 - Archaeology of the Americas 3(3-0)
 ANT 321 - Cultures of Latin America 3(3-0)
 ANT 322 - Cultures of Africa 3(3-0)
 ANT 324 - Cultures of the South Pacific 3(3-0)
 ARB 101 - Elementary Arabic I 4(4-0)
 ARB 102 - Elementary Arabic II 4(4-0)
 CGL 300 - Study Abroad Experience 1-6(Spec)
 CHN 101 - Elementary Chinese I 4(4-0)
 CHN 102 - Elementary Chinese II 4(4-0)
 CHN 201 - Intermediate Chinese 4(4-0)
 ECO 281 - Economic Development of the Pacific Rim 3(3-0)
 ENG 262 - European Literatures 3(3-0)
 ENG 328 - Native American Literature and Film 3(3-0)
 FRN 101 - Elementary French I 4(4-0)
 FRN 102 - Elementary French II 4(4-0)
 FRN 105 - Accelerated Elementary French 4(4-0)
 FRN 201 - Intermediate French I 4(4-0)
 FRN 202 - Intermediate French II 4(4-0)
 GEO 373 - Latin America 3(3-0)
 GER 101 - Elementary German I: Language and Culture 4(4-0)
 GER 102 - Elementary German II: Language and Culture 4(4-0)
 GER 105 - Accelerated Elementary German 4(4-0)
 GER 201 - Intermediate German I 4(4-0)
 GER 202 - Intermediate German II 4(4-0)
 HON 207WI - Honors Studies in Global Cultures: First Year Seminar 3(3-0)
 HON 309 - Honors Global Citizenship 1-6(Spec)
 HST 163 - The Latin American Experience 3(3-0)
 HST 168 - Modern East Asia 3(3-0)
 HST 176 - The African Experience 3(3-0)
 HST 236 - Babylon and Beyond: Ancient Civilizations of the Near/Middle East 3(3-0)
 HST 237 - Baghdad and Beyond: The Middle East from 600 C.E. 3(3-0)
 HST 361/REL 361 - Sinners and Saints of Colonial Latin America 3(3-0)
 JPN 101 - Elementary Japanese I 4(4-0)
 JPN 102 - Elementary Japanese II 4(4-0)
 JPN 201 - Intermediate Japanese I 4(4-0)
 JPN 202 - Intermediate Japanese II 4(4-0)
 JRN 372 - The Asian Media and Cross-cultural Mass Communication 3(3-0)
 LAT 101 - Elementary Latin I 4(4-0)
 POR 105 - Accelerated Elementary Portuguese 4(4-0)
 PSC 344 - East Asian Political Systems and Processes 3(3-0)
 PSC 348 - Latin American Political Systems 3(3-0)
 PSC 370 - Gurus, Avatars, and Nukes: South Asian Politics 3(3-0)
 REL 220 - Religious Traditions of China 3(3-0)
 REL 221 - Religious Traditions of Japan 3(3-0)
 REL 222 - Religious Traditions of India 3(3-0)
 REL 314 - Islam 3(3-0)
 REL 320 - The Buddhist Tradition 3(3-0)
 REL 361/HST 361 - Sinners and Saints of Colonial Latin America 3(3-0)
 SPN 101 - Elementary Spanish I 4(4-0)
 SPN 102 - Elementary Spanish II 4(4-0)
 SPN 105 - Accelerated Elementary Spanish 4(4-0)
 SPN 201 - Intermediate Spanish I 4(4-0)
 SPN 202 - Intermediate Spanish II 4(4-0)
 SPN 214 - Intermediate Conversation and Composition 3(3-0)
 TAI 399 - Theatre and the Holocaust 3(3-0)

These IV-B courses are approved for offering as WI: ENG 262; FRN 201, 202; HON 207WI; HST 163, 168, 176, 236, 237, 361; JRN 372; SPN 201, 202, 214; REL 361.

Subgroup IV-C: Studies in Racism and Cultural Diversity in the United States (3 hours)

Central Michigan University recognizes the potential of for applied experiences to impart an understanding of racism and cultural diversity within the United States.

Therefore, three options are available for meeting the requirement for Subgroup IV-C: *Studies in Racism and Cultural Diversity in the United States*:

Option 1: Complete at least three credits of study in a CMU faculty-led course that involves interacting with one or more of the major groups that experience both racism and invidious discrimination in the United States. To have the course count for credit in Subgroup IV-C: *Studies in Racism and Cultural Diversity within the United States*, the faculty member leading the seminar must have approval from the General Education Committee prior to the experience. Information on completing the application can be found on the General Education website (https://www.cmich.edu/office_provost/AcademicAffairs/gened/Pages/Applied-Experiences.aspx).

OR

Option 2: Complete three credits of applied coursework (e.g., internship, practicum, service-learning project) with one or more of the major groups that experience both racism and invidious discrimination in the United States. Students must sign up with a faculty member who oversees the experience and, after completing the course, submit the proposal for credit in Subgroup IV-C: *Studies in Racism and Cultural Diversity within the United States* for evaluation by the General Education Committee.

Information on completing the application can be found on the General Education Program website (https://www.cmich.edu/office_provost/AcademicAffairs/gened/Pages/Applied-Experiences.aspx).

OR

Option 3: Select from the following:

ANT 320 - North American Indian Cultures 3(3-0)
 ANT 365 - Current American Indian Issues 3(3-0)
 BLR 222 - The Search for Racial Justice through Law 3(3-0)
 CGL 145 - Racism and Discrimination in America through Dialogue 3(3-0)
 CGL 350 - Latino Culture in the U.S. 3(3-0)
 ENG 329 - African American Literature 3(3-0)
 HDF 110 - Oppression: Roots and Impact on Human Development in the United States 3(3-0)
 HON 208WI - Honors Studies in Racism and Diversity in the U.S.: First Year Seminar 3(3-0)
 HST 222WI - Cherokees, Slaves and the Struggle for Racial Justice 3(3-0)
 HST 323 - History of Native Americans 3(3-0)
 HST 324 - "Death is Better than Slavery": African American History to 1877 3(3-0)
 HST 325 - "By Any Means Necessary": African American History, 1877-Present 3(3-0)
 JRN 380 - Racial and Cultural Diversity: Mass Media's Role 3(3-0)
 PHL 345/PSC 325/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
 PSC 325/PHL 345/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
 REL 140 - Religion, Race and Discrimination in America 3(3-0)
 REL 240 - African-American Religion 3(3-0)
 REL 345/PHL 345/PSC 325/SOC 345 - The Civil Rights Movement 3(3-0)
 SOC 323 - Racism and Inequality 3(3-0)
 SOC 345/PHL 345/PSC 325/REL 345 - The Civil Rights Movement 3(3-0)
 SPN 390 - Chicano/Latino Experience in the US 3(3-0)

These IV-C courses are approved for offering as WI: BLR 222, HON 208WI; HST 222WI, 323, 324, 325; REL 140, 240.

UP Elective (3 hours)

To complete 27 hours, select one additional course from any University Program subgroup.

Students may only repeat a designator once in fulfilling their University Program requirements.

(continued)

E. Additional Guidelines for the University Program

1. Students who meet the Subgroup IV-B *Studies in Global Cultures* requirement by completing their first foreign language course numbered 102 or above may opt to meet the University Program requirements by taking 24 credits, as opposed to the typical 27 credits; that is, by taking one course from each of the seven remaining Subgroups.
2. Students who receive credit for either option 1, 2, or 3 for Subgroup IV-B *Studies in Global Cultures* may opt to meet the University Program requirements by taking 24 credits, as opposed to the typical 27 credits; that is, by taking one course from each of the seven remaining subgroups.
3. International students enrolled in an undergraduate degree program meet the University Program Subgroup IV-B *Studies in Global Cultures* requirement after successfully completing at least one semester of full-time study at Central Michigan University.
4. No more than two courses or seven hours of University Program credit may be taken as CR/NC.
5. Unless a degree or major specifically prohibits it, courses required for a specific major, minor, or other degree may also be used to satisfy University Program requirements, provided that the courses are also on the list of approved University Program courses.
6. CLEP General Examination credit, credit from a Prior Learning Assessment, or retroactive credit may not be used to satisfy any University Program requirements.
7. Students may only repeat a designator once in fulfilling their University Program requirements.

For more information, consult the General Education website at https://www.cmich.edu/office_provost/AcademicAffairs/gened

IV. General Education Program Requirements for Students with Transfer Credit**A. MACRAO/MTA Agreement**

Students who present a transcript from another institution in Michigan documented as having satisfied the MACRAO or MTA Agreement will also have satisfied the University Program portion of the general education requirements at CMU, as well as the requirement for completing six credits of Writing Intensive coursework within the University Program.

B. University Program Transfer Block Option

Students not satisfying the MACRAO or MTA Agreement may satisfy the requirements for the University Program, as well as the requirement for completing six credits of Writing Intensive coursework within the University Program under this option. Students would be eligible to complete the UP through the Transfer Block option if they have completed 15 or more hours as designated below and have 12 or fewer hours remaining.

1. Group I - Humanities

A minimum of six credit hours of coursework from at least two of the following disciplines: ENG (English, not including composition courses), ART (Art), BCA (Broadcasting), HST (History), MUS (Music), PHL (Philosophy), REL (Religion), TAI (Drama), HUM (General Humanities).

2. Group II - Natural Sciences

A minimum of six credit hours of coursework from at least two of the following disciplines: AST (Astronomy), BIO (Biology), CHM (Chemistry), ESC (Earth Science), GEL (Geology), HSC (Health Promotion and Rehabilitation), MET (Meteorology), MTH (Mathematics), PHY (Physics), PHS (Physical Sciences), SCI (General or Natural Science), STA (Statistics). One course must include a laboratory section.

3. Group III - Social Sciences

A minimum of six credit hours of coursework from at least two of the following disciplines: ANT (Anthropology), CDO (Communication Disorders), HEV (Human Environmental Studies: AMD/FMD, FNS, IND, HDF), PSC (Political Science), PSY (Psychology), SOC (Sociology), ECO (Economics), GEO (Geography), JRN (Journalism), SSC (Social Science).

4. Group IV - Global Cultures and Diversity

Three credit hours of a specific course that applies to Subgroup IV-B: *Studies in Global Cultures* and 3 credit hours of a specific course that applies to Subgroup IV-C: *Studies in Racism and Diversity in the United States*.

C. Additional Guidelines for Students with Transfer Credit

1. Students who have no more than 12 credit hours remaining on the University Program Transfer Block Option with completed coursework as distributed above (and prior to their first full-time enrollment at CMU) may use the University Program Transfer Block Option. For purposes of this rule, "full-time" means at least 12 credit hours attempted in a single semester. Any additional courses needed to meet the distribution requirements outlined above and to reach a total of 24-27 credit hours must be chosen from the appropriate categories within the list of approved University Program courses. For example, any deficiency in transfer credit for Group I – *Humanities* must be remedied by completing a University Program course listed under Subgroup I-A: *Human Events and Ideas* or Subgroup I-B: *The Arts*. Any deficiency in transfer credit for Group II – *Natural Sciences* must be remedied by taking a course listed under Subgroup II-A: *Descriptive Sciences* or Subgroup II-B: *Quantitative and Mathematical Sciences*. In choosing University Program courses to complete 24-27 credit hours, students must also follow the rules that govern selection of more than one course with the same designator.
2. Students not eligible to follow the Transfer Block option as described above will be required to complete the entire University Program. Comparable coursework at another college or university may be transferred into the University Program on a course-by-course basis when it transfers as equivalent to a CMU course approved as a University Program course or has content deemed congruent with the goals of the University Program and courses approved on the University Program.
3. Competency requirements apply to all students regardless of transfer status, including completion of some competencies before 56 credit hours, except in the case when a student transfers in six WI credits. Transfer students who enter the University with 44 or more credit hours must complete competencies by the end of the second semester at CMU. Transfer students verified as completing the MACRAO or MTA or qualified for the Transfer Block will be exempt from six (6) WI semester hours of the required total of twelve (12) semester hours. Transfer students with the MACRAO or MTA or Transfer Block are required to complete six (6) semester hours of WI designated credits at CMU. WI transfer credit will not automatically be given for WI courses taken at other institutions regardless of whether the institution has similar designations or requirements. You must read carefully the section titled *The Competencies* at the beginning of the General Education section.
4. Transfer students who have no comparable coursework at another college or university are required to meet the General Education Program requirements in the preceding sections.

Bachelor of Applied Arts (B.A.A.)

This degree indicates achievement in one or more areas of applied knowledge.

General Education Requirements (30-42 hours)

See the General Education Requirements on pages 63-73.

Specialized Studies (68-72 hours)

Select a major and a minor:

Majors

Administration: Building Code Administration
Administration: Industrial Administration
Administration: Organization Administration
Administration: Service Sector Administration
Early Childhood Development and Learning Major
Fashion Merchandising & Design Major: Visual Merchandising Concentration
Fashion Merchandising & Design Major: Product Development Concentration

Minors

Athletic Coaching
Applied Business Communication
Community Health Minor
Entrepreneurship
Geography Minor
Industrial Technology Minor
Leadership Minor
Management Minor
Political Science Minor
Psychology Minor
Public Administration Minor
Public Affairs Minor

Note: Not all minors are offered through Global Campus.

Electives

The number of elective hours will vary depending upon the requirements for the major and minor. No more than 8 hours of electives taken from the same department as the student's major field will count towards graduation requirements.

Minimum Totals for Graduation: 124 hours

- *To graduate from CMU you must complete a minimum of 124 hours, at least 40 of which must be in courses numbered 300 or above.*
- *Please note: The combination of some majors and minors may require more than 124 hours for graduation.*
- *No more than 27 hours may be taken from the College of Business Administration. These hours include both business transfer credits and credits earned at Central Michigan University.*
- *You should read the Requirements for Graduation in this Bulletin for a complete description.*

Bachelor of Science (B.S.)

This degree indicates significant exploration and achievement in the liberal arts, including humanities but with an emphasis on natural or social sciences.

General Education Requirements (30-42 hours)

See General Education Requirements on pages 63-73.

Area Requirements (18 hours)

In addition to the University Program requirements, each area requirement below must be completed. Courses taken to satisfy the University Program Requirements may NOT be used to satisfy area requirements.

Area 1 - Humanities (6 hours)

Any 100-500 courses in the following disciplines:

ARB - Arabic; ART - Art; ASL - American Sign Language; CHN - Chinese; ENG - English Language and Literature; FRN - French; GER - German; GRK - Greek; HUM - Humanities; JPN - Japanese; LAT - Latin; MUS - Music; OJB - Ojibwe; PHL - Philosophy; REL - Religion; RUS - Russian; SPN - Spanish; TAI - Theatre and Interpretation

Broadcast and Cinematic Arts Courses

These courses also fulfill Area 1 requirements:

BCA 101 - History and Appreciation of the Cinema 3(2-2)
BCA 290 - French Film and Other Media 3(3-0)
BCA 300 - African and African American Film 3(3-0)
BCA 503 - Critiquing Mass Media 3(3-0)

Area 2 - Natural Sciences (6 hours)

Any 100-500 level courses in the following disciplines:

AST - Astronomy; BIO - Biology; CHM - Chemistry; ENV - Environmental Studies; ESC - Earth Science; GEL - Geology; MET - Meteorology; MTH - Mathematics; PHS - Physical Science; PHY - Physics; SCI - Sciences; STA - Statistics

Note: MTH 101 cannot be used to fulfill the Area 2 Natural Sciences requirement.

Note: ANT 250 (cross-listed with BIO/CHM 250) may be used to fulfill the Area 2 Natural Sciences requirement.

Anthropology (ANT): Physical Anthropology Courses

These courses also fulfill Area 2 Requirements:

ANT 110 - Meet Your Ancestors and Other Distant Relatives 3(3-0)
ANT 171 - Human Origins: Introduction to Physical Anthropology 3(3-0)
ANT 173 - Laboratory in Physical Anthropology 1(0-2)
ANT 342 - Principles of Forensic Anthropology 3(3-0)
ANT 347 - Human Evolution 3(3-0)
ANT 351 - Human Variation, Race, and the Mistakes We Make 3(3-0)
ANT 356 - Primate Behavior 3(3-0)
ANT 358 - Diseases and Human Evolution 3(3-0)
ANT 461 - Race, Racism and Human Evolution 3(3-0)
ANT 542/CRM 542 - Methods in Forensic Anthropology: Osteology and Skeletal Analysis 4(3-2)

Communication Disorders Courses

These courses also fulfill Area 2 Requirements:

CDO 335 - The Anatomy and Physiology of Speech and Hearing 3(3-0)
CDO 463 - Introduction to Acoustic Phonetics 3(3-0)

Computer Science Courses

These courses also fulfill Area 2 Requirements:

CPS 110 - Information Technology Programming I 3(3-0)
CPS 150 - FORTRAN Programming 3(3-0)
CPS 180 - Principles of Computer Programming 3(3-0)
CPS 181 - Introduction to Data Structures 3(3-0)
CPS 210 - Assembly Language and Computer Organization 3(3-0)
CPS 280 - Alternative Programming Languages 1-6(Spec)
CPS 340 - Advanced Data Structures and Algorithms 3(3-0)
CPS 360 - Computer Design and Architecture 3(3-0)
CPS 410 - Software Engineering 3(3-0)
CPS 450 - Programming Language Concepts 3(3-0)
CPS 530 - Simulation of Discrete Event Systems 3(3-0)
CPS 541 - Databases 3(3-0)
CPS 560 - Digital Computer Design 3(3-0)
CPS 575 - Computer Graphics 3(3-0)

Geography (GEO): Physical Geography and Geographic Information Science Courses

These courses also fulfill Area 2 Requirements:

GEO 105 - Physical Geography 3(2-2)
GEO 201 - Weather and Climate 4(4-0)
GEO 203QR - Introduction to Geographic Information Science 3(2-2)
GEO 205/GEL 205 - Oceanography 3(3-0)
GEO 210 - Landforms 3(2-2)
GEO 303 - Geographic Information Systems 3(2-2)
GEO 305 - Remote Sensing of the Environment 3(2-2)
GEO 310 - Surface Hydrology 3(2-2)
GEO 330 - Resource Perception and Utilization 3(3-0)
GEO 334/BIO 334 - Soil Science 3(2-2)
GEO 335 - Biogeography 3(3-0)
GEO 355 - Environmental Catastrophes 3(3-0)
GEO 404 - Global Positioning System 1(1-0)
GEO 405 - CAD Mapping for GIS 3(2-2)
GEO 500 - Advanced Cartography 3(2-2)
GEO 501 - Principles and Applications of Geographic Information System 3(2-2)
GEO 503 - Advanced Geographic Information Systems 3(2-2)
GEO 508 - Applications of Remote Sensing 3(2-2)
GEO 512 - Quantitative Methods for Spatial Analysis 3(2-2)
GEO 516 - Advanced Remote Sensing Systems 3(2-2)
GEO 528 - Environmental Modeling with GIS 3(2-2)
GEO 553 - GIS Operations and Practices 3(3-0)

Health Science Courses

These courses also fulfill Area 2 Requirements:

HSC 211 - Human Anatomy and Physiology 3(3-0)
HSC 214 - Human Anatomy 4(3-3)
HSC 215 - Human Physiology 4(3-2)

Human Environmental Studies Courses

These courses also fulfill Area 2 Requirements:

FNS 361 - Experimental Foods 3(2-2)
FNS 370 - Nutrition 3(3-0)
FNS 473 - Advanced Nutrition 4(4-0)

(continued)

Area 3 - Social Sciences (6 hours)

Any 100-500 level courses in the following disciplines:

ANT - Anthropology (All ANT courses except those included in Area 2); ECO - Economics; GEO - Geography (All GEO courses except Physical Geography and Geographic Information Science courses listed in Area 2); HDF - Human Development & Family Studies; HST - History; PAD - Public Administration; PSC - Political Science; PSY - Psychology; SOC - Sociology

Fashion Merchandising & Design Courses

These courses also fulfill Area 3 Requirements:
FMD 252 - Dress and Culture 3(3-0)

Communication Disorders Courses

This course also fulfills Area 3 Requirements:
CDO 130 - Normal Speech and Language Acquisition 3(3-0)

**Natural and Social Sciences Requirements
(0-9 hours)**

A minimum of 33 credit hours in the natural and social sciences are required. Courses taken to satisfy University Program, Competencies, Area Requirements, or Specialized Studies requirements may be counted toward fulfilling this requirement.

Specialized Studies

The major on the BS degree may include courses taken to satisfy other degree requirements. Not all majors are offered at all locations.

Minor: Optional; however, certain majors require a particular minor or one chosen from a list of acceptable minors. See departments for major requirements. Not all minors are offered through Global Campus.

Majors

Administration: Building Code Administration
Administration: Industrial Administration
Administration: Organization Administration
Administration: Service Sector Administration
Early Childhood Development and Learning Major
Fashion Merchandising & Design Major: Visual Merchandising Concentration
Fashion Merchandising & Design Major: Product Development Concentration
Integrated Leadership Studies Major
Political Science Major
Psychology Major

Minors

Applied Business Communication
Athletic Coaching
Community Health Minor
Entrepreneurship
Geography Minor
Industrial Technology Minor
Leadership Minor (Interdisciplinary)
Management Minor
Political Science Minor
Psychology Minor
Public Administration Minor
Public Affairs Minor

Electives

The number of elective hours will vary depending upon the requirements for the major.

Minimum Totals for Graduation: 124 hours

- *To graduate from CMU you must complete a minimum of 124 hours, at least 40 of which must be in courses numbered 300 or above. Please note: The combination of some majors and minors may require more than 124 hours for graduation.*
- *No more than 27 hours may be taken from the College of Business Administration. These hours include both business transfer credits and credits earned at Central Michigan University.*
- *You should read the Requirements for Graduation in this Bulletin for a complete description.*

Majors

Administration Major

B.A.A., B.S., degrees

The Major in Administration consists of a 16 semester hour academic core, preceded by 12 semester hours of academic core prerequisites and a concentration of 18 semester hours.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

College of Business Administration: No more than 27 semester hours may be taken from the College of Business Administration. These hours include both business transfer credits and credits earned at Central Michigan University.

Core Courses (28 hours)

- ACC 203 - Essentials of Accounting for Business 3(3-0)
- ACC 204 - Accounting for Not-for-Profit Entities 1(1-0)
- CPS 501 - Survey of Computer Science 3(3-0)
- ECO 201 - Principles of Macroeconomics 3(3-0)
- ECO 202 - Principles of Microeconomics 3(3-0)
- FIN 303 - Financial Administration 3(3-0)
- MGT 312 - Introduction to Management 3(3-0)
- MGT 495 - Global Management Strategy 3(3-0)
- MKT 300 - Introduction to Marketing 3(3-0)
- STA 282 - Introduction to Statistics 3(3-0)

Concentrations

Select from the following:

Building Code Administration Concentration

(This concentration available through CMU Online only)

Required Courses (3 hours)

- IET 363 - Building Code Enforcement 3(3-0)

Electives (15 hours)

Select hours from the following list:

- IET 357 - Residential Architectural Graphics 3(1-4)
- IET 367 - International Building Codes 3(3-0)
- IET 368 - International Residential Code 3(3-0)
- COM 461 - Communication in Leadership 3(3-0)
- PAD 210 - Introduction to Public Administration 3(3-0)
- PAD 411 - Public Sector Human Resources (3-0)

Industrial Administration Concentration

Required Courses (18 hours)

Select hours from the following list:

- IET 326 - Manufacturing Methods Analysis 3(3-0)
- IET 327 - Industrial Safety 3(3-0)
- IET 501 - Application of Industrial Management Principles 3(3-0)
- IET 502 - Computer Applications in Industry 3(3-0)
- MGT 340 - Production/Operations Management 3(3-0)
- MGT 542 - Inventory and Materials Management 3(3-0)
- MGT 543 - Management and Control of Quality 3(3-0)

Organization Administration Concentration

Required Courses (18 hours)

Select hours from the following list:

- BLR 202 - Legal Environment of Business 3(3-0)
- ECO 440 - Managerial Economics 3(3-0)
- COM 461 - Communication in Leadership 3(3-0)
- JRN 350 - Public Relations Principles and Practices 3(3-0)
- MGT 320 - Human Resource Management 3(3-0)
- PSY 336 - Industrial/Organizational Psychology 3(3-0)
- PSY 537 - Organizational Behavior Management 3(3-0)
- SOC 512 - Industrial Sociology 3(3-0)

Service Sector Administration Concentration

Required Courses (18 hours)

Select hours from the following list:

- BCA 503 - Critiquing Mass Media 3(3-0)
- BIS 445 - Small Business Organization and Operation 3(3-0)
- BIS 492/ACC 492/FIN 492/MGT 492/MKT 492 - Practicum in Small Business 3(Spec)

- ECO 306 - Money and Banking 3(3-0)
- ECO 425 - The Economics of Industrial Organization 3(3-0)
- ECO 440 - Managerial Economics 3(3-0)
- ECO 515 - Collective Bargaining and Labor Law 3(3-0)
- FIN 325 - Risk Management 3(3-0)
- JRN 360 - Advertising Principles 3(3-0)
- JRN 365 - Advertising Media 3(3-0)
- JRN 465 - Advertising Copy and Design 3(3-0)
- MGT 320 - Human Resource Management 3(3-0)

Total: 46 semester hours

Early Childhood Development and Learning Major

B.A., B.A.A., B.S. degrees

Early Childhood Development and Learning is a field of study that examines the growth and development of children birth through age eight, within the context of teaching and working with children in educational and social settings. The courses in this major meet the course work requirements for early childhood education and preschool teaching by the Michigan Department of Education and the training guidelines of the National Association for the Education of Young Children (NAEYC), providing students with education, training, and skills to work with children and families from diverse backgrounds. This major is especially appropriate for students who plan on working in non-elementary school early childhood settings such as child care centers, preschools, Head Start and Early Head Start programs. Students interested in the teaching of young children within the elementary school setting should refer to the Early Childhood Development and Learning major on the B.S. in Education degree.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

1. Student must have completed or currently be enrolled in HDF 100 or EDU 280 or PSY 220 and must have a minimum GPA of 2.0 in order to sign a major.
2. Student must have a minimum program GPA of 2.7 in order to graduate with this major.
3. Student must receive a grade of C+ or better in HDF 302, 303, 402, 403, and 409 in order to graduate with this major.

Required Courses (3 hours)

Select one of the following:

- EDU 280 - Education of Children 3(3-0)
- HDF 100 - Lifespan Development 3(3-0)
- PSY 220 - Developmental Psychology 3(3-0)

Development and Family Courses (15 hours)

- HDF 301 - Infant Toddler Practicum Experience 1-3(Spec)
- HDF 302 - Infant and Toddler Development 3(3-0)

- HDF 303 - Early Childhood Development 4(Spec)

- HDF 309 - Families, Schools, and Communities 3(3-0)

- HDF 400 - Developmental Assessment of Children 3(3-0)

Learning Courses (14 hours)

- HDF 200 - Constructivism as a Tool for Learning 2(2-0)

- HDF 402 - Guidance for Young Children 3(Spec)

- HDF 403 - Best Practices in Early Childhood Settings 3(3-0)

- HDF 508 - Early Childhood Program Administration and Leadership 3(3-0)

- SPE 585 - Early Childhood Special Education 3(3-0)

Trends & International Applications Courses (3 hours)

Select one of the following in consultation with advisor:

- CDO 230 - Introduction to Speech, Language, and Hearing Disorders 3(3-0)

- FNS 378 - Maternal and Infant Nutrition 3(3-0)

- HDF 213/WGS 213 - Introduction to Human Sexuality 3(3-0)

- HDF 308 - Theories of Child and Adolescent Development 3(3-0)

- HDF 320 - HDFS International Service Learning 3-6(Spec)

- HDF 321 - International Reggio-Inspired Early Childhood Learning 3(Spec)

- HDF 397 - Special Topics in Human Development & Family Studies 1-6(Spec)

(continued)

HDF 490 - Independent Study in Human Development & Family Studies 1-6(Spec)
 HDF 497 - Special Topics in Human Development & Family Studies 1-15(Spec)
 HDF 510 - Child Development Seminar: Promoting Resilience 3(3-0)
 HDF 597 - Special Topics in Human Development & Family Studies 1-15(Spec)
Capstone (8 hours)
 HDF 409 - Lead Teaching in Early Childhood 8(Spec)

Total: 43 semester hours

Fashion Merchandising & Design Major: Visual Merchandising Concentration and Fashion Merchandising & Design Major: Product Development Concentration

BAA, BS Degrees

This program is offered online only.

The purpose of the major is to study visual merchandising and product development. The major is planned to prepare students for a variety of professional careers in the apparel, fashion and textile industry. Career possibilities are available in the production, and distribution of apparel fashion and textile products. The major includes a fashion merchandising core plus additional required courses in each of the concentrations of visual merchandising or product development. In addition to the required courses in the core, students are required to choose a concentration. Students may also complete a double concentration.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

1. Student must have a minimum GPA of 2.0 to sign a major.
2. Student must have a minimum program GPA of 2.7 in order to graduate with this major.
3. Student must achieve a grade of C or better in all major courses in order to graduate with this major.
4. In order to enroll in a major course, student must have achieved a C or better in the required major prerequisite course(s).
5. Upon receipt of the third C- or lower in a major course, student will not be allowed to complete the major.

Core Courses (27 hours)

FMD 141 - Apparel Design Analysis 3(2-2)
 FMD 155 - Introduction to Textiles 3(2-2)
 FMD 246 - CAD for Fashion Design and Merchandising 3(0-4)
 FMD 250 - History of Western Dress 3(3-0)
 FMD 252 - Dress and Culture 3(3-0)
 FMD 256 - Introduction to Fashion Industry 3(3-0)
 FMD 258 - Fashion Retail Management 3(3-0)
 FMD 346 - Advanced CAD for Apparel 3(0-4)
 FMD 355QR - Textile Analysis 3(2-2)

Concentrations

Select one or more of the following:

Visual Merchandising Concentration Courses (18 hours)

ART 126 - Introduction to the Visual Arts 3(3-0)
 BIS 308 - Visual Business Communication and Digital Media 3(3-0)
 FMD 356 - Visual Merchandising 3(1-3)
 FMD 410 - Fashion Advertising and Promotion 3(3-0)
 FMD 456 - CAD for Visual Merchandising & Presentation 3(0-4)
 FMD 556 - Advanced Visual Merchandising 3(1-3)

Product Development Concentration Courses (15 hours)

FMD 200 - Apparel Quality Analysis 3(2-2)
 FMD 241 - Fashion Design: Illustration 3(0-4)
 FMD 546 - Experimental CAD for Fashion 3-9(Spec)
 FMD 560 - Apparel Product Development 3(1-3)
 FMD 565 - 3D Printing and Fashion 3(1-3)

Total: 42-45 semester hours

Information Technology Major

B.A.; B.S. degree

Required Courses I (9 hours)

Select one of the following options:

Option A (9 hours)

CPS 110 - Information Technology Programming I 3(3-0)
 CPS 280 - Alternative Programming Languages 1-6(Spec)
 ITC 111 - Information Technology Programming II 3(3-0)

Note: 3 hours of CPS 280 is required.

Option B (9 hours)

CPS 180 - Principles of Computer Programming 3(3-0)
 CPS 181 - Introduction to Data Structures 3(3-0)
 CPS 280 - Alternative Programming Languages 1-6(Spec)

Note: 3 hours of CPS 280 is required.

Required Courses II (18 hours)

CPS 282 - Introduction to Multimedia Design 3(3-0)
 CPS 395 - Internship in Computer Science 1-9(Spec)
 ITC 190 - Computer Hardware Concepts, Installation, Configuration, and Support 3(3-0)
 ITC 191 - Computer Software Concepts, Installation, Configuration, and Support 3(3-0)
 ITC 265 - Basics of Data Communications and Computer Networks 3(3-0)
 ITC 341 - Introduction to Databases and Applications 3(3-0)

Note: 3 hours of internship (CPS 395) is required.

Required Courses III (3 hours)

An IT project as a capstone experience, preferably in the student's area of concentration. It should involve the design and implementation of a solution to a nontrivial IT problem that has some practical meaning in the real world. Capstone experiences may include a special project conducted on- or off-campus under supervision of a faculty member or an internship or service learning project supervised by an off-campus project director in coordination with the advisor.

Select one of the following:

CPS 497 - Independent Study 1-6(Spec)
 ITC 495 - Senior Internship 1-3(Spec)

Specialized Tracks (6 hours)

Each student is required to select one track from the following list

Data Communication and Networking (6 hours)

ITC 465 - Network Administration and Security 3(3-0)
 ITC 466 - System Administration and Automation 3(3-0)

Database (6 hours)

CPS 541 - Databases 3(3-0)
 ITC 441 - Database and Virtual Data Server Administration 3(3-0)

Interactive Multimedia Design (6 hours)

CPS 382 - Advanced Multimedia Design 3(3-0)
 ITC 383 - Computer Game Design 3(3-0)

Web Application Development (6 hours)

CPS 420 - Web Application Development - Web Services SOA 3(3-0)
 ITC 320 - Web Application Development - Client Side Scripting 3(3-0)

Custom Track (6 hours)

A student may choose to develop a customized track by choosing courses from the other IT tracks or courses from another subject area. The courses may be selected from a variety of disciplines at CMU. The objective of this alternative is to allow students to have the opportunity to follow special interests. The student must propose a program of 6 hours that represent a coordinated area of interest, and the proposal must be approved by an IT advisor.

Other Requirements I (3 hours)

Select one of the following:

STA 282QR - Introduction to Statistics 3(3-0)
 STA 382QR - Elementary Statistical Analysis 3(3-0)

Other Requirements II (3-4 hours)

Select one of the following:

MTH 132 - Calculus I 4(4-0)
 MTH 175 - Discrete Mathematics 3(3-0)
 MTH 217 - Business Calculus 4(4-0)

Other Requirements III (3 hours)

Select one of the following:

COM 264 - Organizational Communication 3(3-0)
 COM 361 - Interpersonal Communication 3(3-0)

Electives (6 hours)

Each student must take 6 additional elective hours, chosen to complement the student's program goals and approved by an IT advisor. In addition to CPS/ITC courses from other IT tracks, or other areas of CPS/ITC, possible electives might include courses such as ART 231, ART 235, ART 335, ART 435, BIO 516, BIS 308, BIS 315, BIS 327, EDU 590, FMD 246, FMD 346, GEO 303, GEO 503, IET 154, IET 226, IET 291, IET 457, IET 458, IET 502, IND 334, MGT 335, PAD 585, SOC 210.

Total: 51-52 semester hours

Integrated Leadership Studies Major

B.S. degree

The Integrated Leadership Studies major consists of a 21 semester hour academic core, a selected 6 semester hour specialized track and 12 semester hours of electives chosen in consultation with an advisor.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Any student in good academic standing admitted to CMU's Global Campus may sign a program plan in Integrated Leadership Studies. Every student intending to major in Integrated Leadership Studies must meet with an advisor for academic planning before registering for classes.

A minimum 2.0 GPA (C) must be earned in the major.

No more than a total of 27 semester hours earned in business courses, including business transfer hours, may be counted toward graduation.

Core Courses (21 hours)

COM 195 - Intercultural Communication 3(3-0)
 COM 461 - Communication in Leadership 3(3-0)
 LDR 200 - Introduction to Leadership 3(2-2)
 MGT 312 - Introduction to Management 3(3-0)
 MGT 348 - Dynamics of Organizational Behavior 3(3-0)
 MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 PHL 318 - Business Ethics 3(3-0)

Note: MSA 501 is the capstone course and should be taken in the final semester prior to graduation.

Specialized Track (6 hours)

Select one of the following Specialized Tracks:

Military Services Leadership

HST 312 - American Military Experience 3(3-0)
 PSC 321 - The American Chief Executive 3(3-0)

Public Sector Leadership

PAD 411 - Public Sector Human Resources (3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)

Enterprise Leadership

ACC 210/ENT 210 - Accounting Information for Entrepreneurial Decision Making 3(3-0)
 MKT 300 - Introduction to Marketing 3(3-0)

Electives (12 hours)

Elective coursework is chosen in consultation with an advisor and pre-approved by the Director of Undergraduate Programs, based on the career interest and goals of the individual student. A minimum of 6 semester hours of electives must be at the 300 level or above.

Total: 39 semester hours

Note: A student majoring in Integrated Leadership Studies can pursue an Accelerated Master of Science (MSA) degree. The Accelerated MSA program will allow an ILS major to reduce the total number of credits to complete their graduate degree by 12 semester hours. Admission criteria for the Accelerated MSA program can be located in the MSA in the graduate studies section of the Global Campus Bulletin. See your undergraduate academic advisor for details.

Political Science Major

B.S. Degrees

A political science major consists of 33 hours. A minimum of 15 hours of course work must be at the 300 level or above.

Courses taken on a Credit/No Credit basis may not be counted toward political science majors or political science minors, with the following exceptions: Internships (PSC 395), Practicums (PSC 393 & 394) and lab courses (PSC 355). In the case of these exceptions, no more than three credits total may be applied to the major or minor. Majors and minors in political science should enroll in PSC 105 as freshmen (see course description). Transfer students majoring in political science will be expected to take at least 15 hours of coursework in the department; transfer minors, 12 hours.

It is recommended that all political science majors enroll in PSC 280 during their sophomore year.

Any regular faculty member in the department can serve as the student's advisor on a major or minor.

Internships: The department has established an internship program where students are provided relevant firsthand work experience. The duration of an internship can vary depending on the number of credit hours (1-12) taken. Students majoring in political science are allowed to count three internship credit hours toward their major or minor.

Required Courses I (15 hours)

PSC 100 - Introduction to Political Science 3(3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 PSC 261 - State and Local Government 3(3-0)
 PSC 275 - Great Political Thinkers 3(3-0)
 PSC 280 - Introduction to Empirical Methods of Political Research 3(3-0)

Required Courses II (3 hours)

Select one of the following:
 PSC 513 - Citizen Engagement in Public Life 3(3-0)
 PSC 520 - American National Government and Politics 3(3-0)
 PSC 590 - Independent Study 1-6(Spec)

Required Courses III (15 hours)

Select 15 hours of PSC courses.

OR

Select one of the following certificates:

Undergraduate Certificate - Citizen Engagement
 Undergraduate Certificate - Political Advocacy and Elections
 Undergraduate Certificate - Lawmaking and Legal Processes

A student earning a certificate must choose courses different than those chosen to fulfill the major required courses. Up to 6 hours of course work from one certificate may be used to fulfill requirements in another certificate in the department. Although the major may be combined with any of the certificates, students pursuing the major in Political Science are advised to consider choosing one from among the list above.

Total: 33 semester hours

Note: A minimum of 15 hours of PSC and/or PAD course work must be at the 300 level or above.

See *Undergraduate Certificates* in the Index for page number.

Psychology Major

B.S. degrees

This is the flexible major which you can consider regardless of your post-graduation plans including graduate school. This major requires that you complete a minimum of 30 semester hours of PSY courses.

Required Courses I (9 hours)

PSY 100 - Introduction to Psychology 3(3-0)

PSY 285 - Research Methods 3(3-0)

PSY 385 - Applications of Research Methods 3(3-0)

Required Courses II (3 hours)

PSY 211QR - Introduction to Psychological Statistics 3(3-0)

Psychology Electives (18 hours)

Total: 30 semester hours

Note: You must complete a minimum of 15 hours of psychology course work at CMU.

Note: You must earn a grade of "C" or better in PSY 211 to enroll in PSY 285, and earn a "C" or better in PSY 285 and have completed ENG 201 to enroll in PSY 385. Consult individual course descriptions for prerequisites for other courses.

Note: Students who have already taken BIO 500 *Biological Statistics* (3) or HSC 544 *Biostatistics* (3) and received a grade of "C" or better in the course may substitute the requirement for PSY 211. In that case, an additional three (3) hours of Psychology must be taken.

Credit restrictions: Only PSY 100 may be taken on a CR/NC basis. No more than 9 hours may be counted from the following courses with unspecified content: PSY 200, 400, 496, 497, 498, 500, 501, 502. Further, not more than 3 hours may be counted from any one unspecified content course.

Minors

Minors consist of 20-24 credit hours (depending on the field of study). Credit can be earned through CMU classroom courses, prior learning, and independent study. Some courses listed on minors are not available through CMU Online or Global Campus. Courses not offered through CMU programs can be transferred in from other accredited institutions. Additional minors may become available. For information, contact your academic advisor or program center.

Athletic Coaching Minor

The athletic coaching minor is recommended for students who are interested in coaching in an athletic program sponsored by the Michigan High School Athletic Association or some other state athletic association.

This minor is available online to CMU students regardless of location.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

1. In order to graduate with this minor a student must:

- Obtain a 2.5 overall GPA and a 2.75 GPA in the minor.
- Have current CPR and First Aid Certification.
- Maintain established standards of professional practice articulated in the CMU Athletic Coaching Internship Manual and reflected in the first four standards constituting Domain 1 – Philosophy and Ethics, in the National Standards for Sport Coaches.

2. At least 12 credit hours of coursework within the minor must be taken at CMU.

Required Courses (24 hours)

PES 125 - Principles and Foundations of Coaching 3(3-0)

PES 225 - Athletic Conditioning for Coaches 3(3-0)

PES 255 - Athletic Skills and Techniques 2(2-0)

PES 279 - Sport First Aid and Athletic Emergencies 3(3-0)

PES 311 - Psychology of Coaching 3(3-0)

PES 335 - Principles of Effective Coaching Instruction 3(3-0)

PES 410 - Competition Oriented Strategies and Preparations 2(2-0)

PES 445 - Athletic Season Planning and Evaluation 2(2-0)

PES 470 - Athletic Coaching Internship 3(Spec)

Total: 24 semester hours

Applied Business Communication Minor

This minor is for CMU students who want to develop the knowledge and skills that will make them job ready for the business world upon graduation. Students will develop pathways to success by making connections and building relationships through effective business communication, collaborative technologies, and social media in professional settings. Students will apply what they learn in real-world settings, including managing client projects in the community, through a structured series of courses that build upon one another.

This minor is available online to CMU students regardless of location.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

To sign a minor in Applied Business Communication: See an advisor in the Business Information Systems Department and bring along a copy of your signed major.

No more than a total of 27 hours of credit earned in business courses, including business transfer hours, may be counted towards graduation unless the student is majoring in the College of Business Administration.

Required Courses I (3 hours)

Select one of the following:

BIS 100 - Introduction to Business 3(3-0)

BUS 100 - Essential Business Skills 3(3-0)

Required Courses II (18 hours)

BIS 260WI - Global Business Communication 3(3-0)

BIS 308 - Visual Business Communication and Digital Media 3(3-0)

BIS 315 - Social Media and Emerging Technologies in Business 3(3-0)

BIS 360 - Applied Business Communication 3(3-0)

BIS 470 - Applied Business Communication Integrated Capstone 3(3-0)

BIS 495 - Integrated Capstone: Applied Business Practices 3(3-0)

Total: 21 semester hours

Community Health Minor

Required Courses (9 hours)

HSC 106QR - Healthy Lifestyles 3(2-1)

HSC 211 - Human Anatomy and Physiology 3(3-0)

HSC 317 - Community Health 3(3-0)

Electives (15 hours)

Selected with an advisor from a list of approved courses.

Total: 24 semester hours

Note: There is considerable overlap of health content courses with the present major in Community Health Education. For this reason, students with a major in Community Health Education may not minor in Community Health.

Entrepreneurship Minor

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

To sign a minor in Entrepreneurship: See an advisor in the Department of Entrepreneurship and bring along a copy of your signed major. A student is required to earn a C (2.0) or better in ENT 101 or BIS 100 or BUS 100, and ENT/MGT 201 prior to signing the minor.

This minor is not available to students seeking the Bachelor of Science in Business Administration degree. This minor is available online to CMU students regardless of location.

Required Course I (3 hours)

Select one of the following:

BIS 100 - Introduction to Business 3(3-0)

BUS 100 - Essential Business Skills 3(3-0)

ENT 101 - Discovering the Entrepreneur Within 3(3-0)

Required Courses II (12 hours)

ENT 201/MGT 201 - Entrepreneurship Launch Pad 3(3-0)

ENT 210/ACC 210 - Accounting Information for Entrepreneurial Decision Making 3(3-0)

ENT 213/ECO 213 - Economics for Entrepreneurs 3(3-0)

ENT 221/MKT 221 - Marketing Strategies for Entrepreneurs 3(3-0)

Electives (6 hours)

Select 6 hours from the following:

BIS 315 - Social Media and Emerging Technologies in Business 3(3-0)
 ENT 300/BIS 300 - Digital Entrepreneurship 3(3-0)
 ENT 320/FIN 320 - Financial Management of the Entrepreneurial Venture 3(3-0)
 ENT 416/MGT 416 - Entrepreneurship in the Global Economy 3(3-0)
 ENT 419/MGT 419 - Running and Growing an Entrepreneurial Venture in a Global Economy 3(3-0)
 ENT 420/BLR 420 - Legal Aspects of New Ventures 3(3-0)
 ENT 497 - Special Topics in Entrepreneurship 1-12(Spec)
 MKT 340 - Personal Selling 3(3-0)

Total: 21 semester hours**Geography Minor****Required Courses I: Core Courses (12 hours)**

GEO 105 - Physical Geography 3(2-2)
 GEO 120QR - Environmental Geography 3(3-0)
 GEO 121 - Human Geography and Globalization 3(3-0)
 GEO 203QR - Introduction to Geographic Information Science 3(2-2)

Required Course II (3 hours)

Select at least one of the following:

GEO 312 - Geography of Contemporary Global Issues 3(3-0)
 GEO 315 - Food and Agriculture 3(3-0)
 GEO 317 - Economic Geography 3(3-0)
 GEO 330 - Resource Perception and Utilization 3(3-0)
 GEO 340 - Urban Geography 3(3-0)
 GEO 342 - Historical Geography 3(3-0)
 GEO 345 - Political Geography 3(3-0)
 GEO 355 - Environmental Catastrophes 3(3-0)

Required Course III (3 hours)

Select at least one of the following:

GEO 346 - Geography of the Developing World 3(3-0)
 GEO 350 - United States and Canada 3(3-0)
 GEO 365 - A Geography of Modern Europe 3(3-0)
 GEO 373 - Latin America 3(3-0)
 GEO 385 - China: Environment and People 3(3-0)
 GEO 395 - Michigan 3(3-0)

Elective I (3 hours)

Select three additional hours of Geography.

Total: 21 semester hours**Industrial Technology Minor**

The Industrial Technology minor is available for students desiring to increase their understanding and competencies in industrial and engineering technology. Students may select any combination of 21 semester hours from within the IET designator, or any approved course from another designator.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

The engineering and technology degree programs consist of extensive laboratory work that involves a close physical relationship with tools, moving machinery and electrical equipment necessitating specific safe practices. Examples include voltage checks, use of safety guards, and continuous observation of associated visual alarms, caution signs and auditory signals.

Students pursuing one of our majors or minors are required to meet with an ET advisor during the first semester of attendance at CMU.

A maximum of six semester hours of Credit/No Credit may be used on departmental majors (excluding computer, electrical and mechanical engineering) or minors. Credit/No Credit courses are identified in the Course Search & Registration. No more than 9 credit hours may be transferred in from other institutions to satisfy the requirements of the IT Minor.

Construction Courses

IET 160 - Wood Technology 3(1-4)
 IET 261 - Construction Surveying 3(2-2)
 IET 279 - Applied Statics 3(3-0)
 IET 294 - Residential Electrical Wiring 3(2-2)
 IET 357 - Residential Architectural Graphics 3(1-4)
 IET 361 - Construction Technology 3(1-4)
 IET 363 - Building Code Enforcement 3(3-0)
 IET 367 - International Building Codes 3(3-0)
 IET 368 - International Residential Code 3(3-0)
 IET 561 - Light Frame Construction Workshop 3(0-6)
 IET 567 - Construction Safety 3(3-0)
 IET 590 - Green Building and Sustainability 3(3-0)
 IET 591 - Construction Management 3(3-0)
 IND 139 - Interior Design Drafting 3(2-2)
 IND 335 - Contract Documents 3(2-2)

Product Design Courses

EGR 120 - Introduction to Engineering 3(2-2)
 EGR 251 - Engineering Statics 3(3-0)
 IET 154 - Engineering Design Graphics 3(2-2)
 IET 226 - Parametric Design and Modeling 3(2-2)
 IET 279 - Applied Statics 3(3-0)
 IET 324 - Product Design and Development 3(2-2)
 IET 350 - Mechanism Design 3(3-0)
 IET 379 - Mechanics of Materials 3(3-0)
 IET 450 - Mechanical Computer-Aided Engineering 3(2-2)
 IET 451 - Geometric Dimensioning and Tolerancing 3(2-2)
 IET 455 - Tool Design 3(2-2)
 IET 458 - Surface Modeling 3(2-2)
 IET 488 - Computer Aided Product Design Capstone 3(1-4)

Manufacturing/Production Courses

EGR 120 - Introduction to Engineering 3(2-2)
 IET 130 - Industrial Materials and Testing 3(2-2)
 IET 154 - Engineering Design Graphics 3(2-2)
 IET 170 - Manufacturing Processes I 3(1-4)
 IET 223QR - Lean Six Sigma for Process Improvement 3(3-0)
 IET 225 - Manufacturing Process Planning 3(3-0)
 IET 226 - Parametric Design and Modeling 3(2-2)
 IET 284 - Fluid Power Technology 3(2-2)
 IET 291 - Applied Circuits 3(2-2)
 IET 326 - Manufacturing Methods Analysis 3(3-0)
 IET 365 - Manufacturing Processes II 3(2-2)
 IET 375 - Robotics 3(2-2)
 IET 377 - Computer Numerical Control Programming 3(2-2)
 IET 426 - Plant Layout and Materials Handling 3(3-0)
 IET 428 - Manufacturing Quality 3(3-0)
 IET 477 - Advanced Computer Numerical Control Programming 3(2-2)

Total: 21 semester hours**Information Technology Minor**

B.A.; B.A.A.; B.F.A.; B.S. in B.A.; B.S. degrees

A minor in Information Technology may not be approved for students with majors in Computer Integrated Manufacturing, or Computer Technology. A minor in Information Technology will be approved for students with a major in Computer Science only if another major or minor outside of the department is also obtained.

Required Courses I (9 hours)

Select one of the following options:

Option A

CPS 110 - Information Technology Programming I 3(3-0)
 CPS 280 - Alternative Programming Languages 1-6(Spec)
 ITC 111 - Information Technology Programming II 3(3-0)

Note: 3 hours of CPS 280 is required.

Option B

CPS 180 - Principles of Computer Programming 3(3-0)
 CPS 181 - Introduction to Data Structures 3(3-0)
 CPS 280 - Alternative Programming Languages 1-6(Spec)

Note: 3 hours of CPS 280 is required.

(continued)

Required Courses II (6 hours)

ITC 190 - Computer Hardware Concepts, Installation, Configuration, and Support 3(3-0)
 ITC 191 - Computer Software Concepts, Installation, Configuration, and Support 3(3-0)

Other Requirements (3 hours)

Select one of the following:

STA 282QR - Introduction to Statistics 3(3-0)
 STA 382QR - Elementary Statistical Analysis 3(3-0)

Electives (6 hours)

Select two of the following:

CPS 282 - Introduction to Multimedia Design 3(3-0)
 CPS 382 - Advanced Multimedia Design 3(3-0)
 CPS 395 - Internship in Computer Science 1-9(Spec)
 CPS 420 - Web Application Development - Web Services SOA 3(3-0)
 ITC 265 - Basics of Data Communications and Computer Networks 3(3-0)
 ITC 320 - Web Application Development - Client Side Scripting 3(3-0)
 ITC 341 - Introduction to Databases and Applications 3(3-0)
 ITC 365 - Introduction to Data Communications and Computer Networks 3(3-0)
 ITC 383 - Computer Game Design 3(3-0)
 ITC 441 - Database and Virtual Data Server Administration 3(3-0)
 ITC 465 - Network Administration and Security 3(3-0)
 ITC 466 - System Administration and Automation 3(3-0)

Total: 24 semester hours

Leadership Minor

The Leadership minor is a 24-credit-hour interdisciplinary program that includes both theoretical and experiential components. The major objective of the program is to educate students for and about leadership and prepare them to acquire leadership positions in their community and profession. The minor complements a wide variety of academic programs such as: recreation, parks and leisure services, business, health professions, communications, psychology, political science, and education. The Leadership Minor is administered by the Department of Recreation, Parks and Leisure Services.

Required Courses I (12 hours)

COM 461 - Communication in Leadership 3(3-0)
 LDR 200 - Introduction to Leadership 3(2-2)
 LDR 302 - Field Experience in Leadership 3(Spec)
 LDR 499 - Contemporary Issues in Leadership 3(3-0)

Required Courses II (3 hours)

Select one of the following:

PHL 118 - Moral Problems 3(3-0)
 PHL 318 - Business Ethics 3(3-0)

Electives (9 hours)

Select three (3) courses from the electives listed below, representing at least two (2) different designators. Students should meet with an advisor in the leadership program for consultation on selecting elective courses. Elective courses are designed to help students explore and understand human behavior and development; interpersonal and group interaction; and view leadership in a social, political or historical context.

BCA 210 - Survey of the Mass Media 4(4-0)
 BLR 310 - Alternative Dispute Resolution in Business 3(3-0)
 CGL 145 - Racism and Discrimination in America through Dialogue 3(3-0)
 COM 195 - Intercultural Communication 3(3-0)
 COM 264 - Organizational Communication 3(3-0)
 COM 267 - Introduction to Debate 3(3-0)
 COM 353 - Small Group Communication 3(3-0)
 HDF 100 - Lifespan Development 3(3-0)
 HSC 203 - Leadership for the Health Professions 3(3-0)
 HSC 520 - Health Services Administration 3(3-0)
 HST 110 - The American Experience 3(3-0)
 HST 312 - American Military Experience 3(3-0)

HST 325 - "By Any Means Necessary": African American History, 1877-Present 3(3-0)

MGT 348 - Dynamics of Organizational Behavior 3(3-0)
 MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 PSC 101 - Political Behavior 3(3-0)

PSC 105 - Introduction to American Government and Politics 3(3-0)

PSC 125 - African-American Politics 3(3-0)

PSC 275 - Great Political Thinkers 3(3-0)**PSC 321 - The American Chief Executive 3(3-0)****PSY 100 - Introduction to Psychology 3(3-0)****PSY 330 - Social Psychology 3(3-0)****PSY 336 - Industrial/Organizational Psychology 3(3-0)****PSY 340 - Studies in Personality 3(3-0)****RPL 205 - Outdoor Leadership 3(2-2)****RPL 206 - Recreation Activity Facilitation 3(3-0)****SOC 100 - Introductory Sociology 3(3-0)****SOC 201 - Social Psychology 3(3-0)****SOC 221 - Social Problems 3(3-0)****WGS 326/PSC 326 - Women and Politics 3(3-0)**

< b>Note:/b> You may only count one of PSY 330 or SOC 201.

Total: 24 semester hours

Management Minor

This minor is designed to provide sufficient flexibility to accommodate students with varying backgrounds and career objectives.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

To sign a minor in Management:

1. A minimum cumulative GPA of 2.5 based on completion of at least 56 credit hours is required.
2. The minor is available only to students pursuing majors outside the College of Business Administration. If you are pursuing a teaching degree you may not choose this minor.
3. No more than a total of 27 hours of credit earned in business courses, including business transfer hours, may be counted towards graduation.
4. Courses taken Credit/No Credit basis are not accepted on the management department minor.

Required Courses (9 hours)

MGT 312 - Introduction to Management 3(3-0)
 MGT 320 - Human Resource Management 3(3-0)
 MGT 348 - Dynamics of Organizational Behavior 3(3-0)

Elective Courses (12 hours)

1. Six hours from the Department of Management.
2. Six hours from the College of Business Administration.

Total: 21 semester hours

Political Science Minor

A Political Science minor consists of 21 hours. Courses taken on a Credit/No Credit basis may not be counted toward this minor.

This minor is available online to CMU students regardless of location.

No more than 15 credits may be double counted for this minor and the Public and Nonprofit Administration Major or the International Relations Major. Students may not sign both a major and minor in Political Science.

Required Course (3 hours)

PSC 105 - Introduction to American Government and Politics 3(3-0)

Other Requirements (12 hours)

Select one 3-credit hour course in four of the following five fields:

Field I**American National Political Institutions and Processes**

PSC 101 - Political Behavior 3(3-0)

PSC 125 - African-American Politics 3(3-0)**PSC 320 - The American Legislative Process 3(3-0)****PSC 321 - The American Chief Executive 3(3-0)**

PSC 322 - Judicial Process and Politics 3(3-0)
 PSC 323 - American Parties and Politics 3(3-0)
 PSC 325/PHL 345/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
 PSC 326/WGS 326 - Women and Politics 3(3-0)
 PSC 327 - Lobbying and Interest Group Behavior 3(3-0)
 PSC 328 - Campaigns and Elections 3(3-0)
 PSC 421 - Constitutional Law: Powers of Government 3(3-0)
 PSC 422 - Constitutional Law: Civil Rights and Liberties 3(3-0)
 PSC 520 - American National Government and Politics 3(3-0)

Field II

American State and Local Government, Public Administration and Policy
 PAD 210 - Introduction to Public Administration 3(3-0)
 PAD 313 - Public Budgeting Processes 3(3-0)
 PAD 411 - Public Sector Human Resources 3(3-0)
 PAD 585 - Public Sector Information Technology Management 3(3-0)
 PSC 261 - State and Local Government 3(3-0)
 PSC 300 - Michigan Politics and Elections 3(3-0)
 PSC 301 - Law and Policy in Michigan State Government 3(3-0)
 PSC 514 - American Public Policy Making 3(3-0)
 PSC 516 - Environmental Politics and Policy 3(3-0)
 PSC 522 - Regulatory Processes and Administrative Law 3(3-0)
 PSC 563 - Politics and Policy in Urban Communities 3(3-0)
 PSC 566 - Intergovernmental Relations in the United States 3(3-0)

Field III

International Relations

PSC 150 - Introduction to International Relations 3(3-0)
 PSC 151 - The U.S. and the World 3(3-0)
 PSC 351 - International Relations 3(3-0)
 PSC 352 - US - Latin American Relations 3(3-0)
 PSC 353 - Model United Nations 3(3-0)
 PSC 453 - American Foreign Policy 3(3-0)
 PSC 551 - Seminar in International Relations 3(3-0)
 PSC 555 - International Law I 3(3-0)
 PSC 556 - International Law II 3(3-0)

Field IV

Comparative Politics

PSC 242 - Introduction to Comparative Politics 3(3-0)
 PSC 340 - African Political Systems and Processes 3(3-0)
 PSC 341 - Comparative Politics: Eastern Europe 3(3-0)
 PSC 343 - Southeast Asian Political Systems and Processes 3(3-0)
 PSC 344 - East Asian Political Systems and Processes 3(3-0)
 PSC 345 - Middle Eastern Political Systems 3(3-0)
 PSC 346 - The Politics of Islam 3(3-0)
 PSC 347 - Comparative Politics: Western Europe 3(3-0)
 PSC 348 - Latin American Political Systems 3(3-0)
 PSC 515 - Comparative Public Policy 3(3-0)
 PSC 540 - Cultural Heritage and Politics of Eastern Europe 3(3-0)

Field V

Political Theory

PSC 275 - Great Political Thinkers 3(3-0)
 PSC 280 - Introduction to Empirical Methods of Political Research 3(3-0)
 PSC 371 - American Political Thought 3(3-0)
 PSC 372 - American Radical Thought 3(3-0)
 PSC 375 - Modern Ideologies 3(3-0)
 PSC 378 - Modern Democratic Theory 3(3-0)
 PSC 381 - Slavery, Tyranny, Democracy: Classical Origins of Modern Ideas 3(3-0)
 PSC 382 - Modern Political Theory 3(3-0)
 PSC 383 - Contemporary Political Theory 3(3-0)
 PSC 426/PHL 426/WGS 426 - Feminist Theory 3(3-0)
 PSC 583 - Survey Research 3(3-0)

Other Requirements (6 hours)

Select hours from the five fields listed above.

Total: 21 semester hours

Psychology Minor

Required Course (3 hours)

PSY 100 - Introduction to Psychology 3(3-0)

Electives (18 hours)

A student must complete a minimum of 9 hours of psychology course work at CMU. If you are minoring in psychology and plan to attend graduate school in psychology, PSY 211QR is strongly recommended. The balance of your credits should be selected by you and your advisor working together to select the set of courses which is most appropriate for you. A minimum 2.7 GPA (B-) must be earned in all teaching minors.

Total: 21 semester hours

Note: Only 6 hours may be counted from courses of unspecified content: PSY 200, 400, 496, 498, 500, 501, and 502. Further, not more than 3 hours may be counted from any one unspecified content course.

Public Administration Minor

Required Courses (15 hours)

PAD 210 - Introduction to Public Administration 3(3-0)
 PAD 313 - Public Budgeting Processes 3(3-0)
 PAD 411 - Public Sector Human Resources (3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 PSC 280 - Introduction to Empirical Methods of Political Research 3(3-0)

Electives (6 hours)

Select two of the following:
 PAD 585 - Public Sector Information Technology Management 3(3-0)
 PAD 661 - Administration and Policy in American State Government 3(3-0)
 PSC 261 - State and Local Government 3(3-0)
 PSC 300 - Michigan Politics and Elections 3(3-0)
 PSC 301 - Law and Policy in Michigan State Government 3(3-0)
 PSC 320 - The American Legislative Process 3(3-0)
 PSC 395 - Internship in Government and Politics 1-12(Spec)
 PSC 514 - American Public Policy Making 3(3-0)
 PSC 516 - Environmental Politics and Policy 3(3-0)
 PSC 522 - Regulatory Processes and Administrative Law 3(3-0)
 PSC 563 - Politics and Policy in Urban Communities 3(3-0)
 PSC 566 - Intergovernmental Relations in the United States 3(3-0)

Total: 21 semester hours

Public Affairs Minor

The Public Affairs Minor is offered by the Department of Journalism and the Department of Political Science and Public Administration. The minor brings together courses designed to provide skills and knowledge for the student with a career interest in public affairs communication.

Students may not apply more than 6 hours of coursework from their declared major towards this minor. Internship hours are limited to 3.

Required Courses (12 hours)

JRN 202 - Writing for the Mass Media 3(3-0)
 JRN 350 - Public Relations Principles and Practices 3(3-0)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 PSC 261 - State and Local Government 3(3-0)

Electives (12 hours)

JRN 360 - Advertising Principles 3(3-0)
 JRN 450 - Public Relations Writing 3(3-0)
 JRN 551 - Case Studies in Public Relations 3(3-0)
 JRN 556 - Public Relations Seminar 3(3-0)
 JRN 559 - Public Relations Internship 1-4(Spec)
 PAD 210 - Introduction to Public Administration 3(3-0)
 PAD 313 - Public Budgeting Processes 3(3-0)
 PSC 320 - The American Legislative Process 3(3-0)
 PSC 327 - Lobbying and Interest Group Behavior 3(3-0)
 PSC 395 - Internship in Government and Politics 1-12(Spec)

Total: 24 semester hours

Bachelor of Science (B.S.)

With an Option in Community Development

The primary purpose of the Bachelor of Science with an Option in Community Development is to provide education for persons required to function effectively in various community organizations. The program allows for a general education, for a broad education in community development, and for the development of specialized expertise in specified professional fields.

General Education Requirements (50 hours)

All students must complete 50 semester hours of work in general education which reflect each of the following (work may be demonstrated by successfully completing course work or other learning experiences for which college-level credit is granted):

Insight and Appreciation
Organization and Communication of Ideas
Physical Environment and Biological Inheritance
Social Inheritance and Responsibilities

Areas of Study (24 hours)

Students must demonstrate competence in each of the following areas of study by successfully completing course work or other learning experiences for which college-level credit is granted.

- **Area 1** - The General Theory and Practice of Community
- **Area 2** - Interaction of Community Institutions in a Community Setting
- **Area 3** - Methods Appropriate for Studying Community Behavior and the Implementation and Evaluation of Community Programs
- **Area 4** - Organization Theory and Leadership, Interpersonal Relationships, Communication, and Group Dynamics

Specialized Studies (12 hours)

Concentrations (see page 85)

Select one of the following concentrations:

Community Development Option:
Concentration in Public Administration

Community Development Option:
Concentration in Community Services

Community Development Option:
Concentration in Health Sciences

Electives (0-38 hours)

The number of elective hours will vary depending upon the requirements for the option.

Minimum Totals for Graduation: 124 hours

- *To graduate from CMU you must complete a minimum of 124 hours, at least 40 of which must be in courses numbered 300 or above.*
- *Please note: The combination of some majors and minors may require more than 124 hours for graduation.*
- *No more than 27 hours may be taken from the College of Business Administration. These hours include both business transfer credits and credits earned at Central Michigan University.*
- *You should read the Requirements for Graduation in this Bulletin for a complete description.*

Option in Community Development

B.S. degree

No more than a total of 27 hours of credit may be taken from the College of Business Administration. These credits include both business transfer credit and credits earned at Central Michigan University.

Concentration in Community Services

No more than a total of 27 hours of credit may be taken from the College of Business Administration. These credits include both business transfer credit and credits earned at Central Michigan University.

Representative Courses (12 hours)

Select hours from the following list:

- HDF/WGS 213 - Introduction to Human Sexuality 3(3-0)
- HSC 317 - Community Health 3(3-0)
- SOC 223 - Urban Structures and Change 3(3-0)
- SOC 323 - Racism and Inequality 3(3-0)
- SOC 324 - Criminology 3(3-0)
- SOC 411 - The Family 3(3-0)
- SWK 470 - Social Work Practicum I 4(Spec)

Total: 12 semester hours

Concentration in Health Sciences

Required Course

HSC 211 - Human Anatomy and Physiology 3(3-0)

Note: HSC 211 (or equivalent) is required. It will not count toward the 12 hours in Health Sciences but it may be applied toward the General Education Requirements. It is a prerequisite to some of the courses listed below.

Representative Courses (12 hours)

Select 12 credit hours from the following list (at least 6 hours must beat the 300 level or above):

- FNS 370 - Nutrition 3(3-0)
- HSC 106QR - Healthy Lifestyles 3(3-0)
- HSC 205 - Responding to Emergencies 2(1-2)
- HSC 235 - Psychoactive Drugs 3(3-0)
- HSC 317 - Community Health 3(3-0)
- HSC 352 - Environmental Health 3(3-0)
- HSC 390 - Health and Aging 3(3-0)
- HSC 411 - Pathophysiology 3(3-0)
- HSC 510 - Independent Reading Experience 1-4(Spec)
- HSC 512 - Special Topics in Health Education 1-12(Spec)
- HSC 519 - Death Education and Suicide Prevention 3(3-0)
- HSC 522 - Consumer Health Education 2(2-0)
- HSC 523 - AIDS Education 1(1-0)
- HSC 525 - Sexually Transmitted Disease Workshop 1(Spec)
- HSC 526 - Behavioral Health 3(3-0)
- HSC 527 - Sex Education Workshop 1(Spec)
- HSC 528 - Smoking and Health Education Workshop 1(Spec)
- HSC 529 - Alcohol Education Workshop 1(1-0)
- HSC 530 - Drug Abuse Workshop 1(Spec)
- HSC 534 - Workshop in Principles of Cardiovascular Health and Disease 1(Spec)
- HSC 537 - Stress Reduction Workshop 1(Spec)
- HSC 547 - Health Risk Identification and Management 3(3-0)

Total: 12 semester hours

Concentration in Public Administration

Representative Courses (12 hours)

Select hours from the following list:

- ECO 201 - Principles of Macroeconomics 3(3-0)
- ECO 202 - Principles of Microeconomics 3(3-0)
- ECO 360 - Public Economics 3(3-0)
- ECO 503 - Seminar in Urban Economics 3(3-0)
- GEO 340 - Urban Geography 3(3-0)
- JRN 350 - Public Relations Principles and Practices 3(3-0)
- MGT 312 - Introduction to Management 3(3-0)
- MGT 320 - Human Resource Management 3(3-0)
- MGT 348 - Dynamics of Organizational Behavior 3(3-0)
- MGT 355 - Communications: Managerial Applications 3(3-0)
- MGT 445 - Compensation Administration 3(3-0)
- PAD 210 - Introduction to Public Administration 3(3-0)
- PAD 313 - Public Budgeting Processes 3(3-0)
- PAD 411 - Public Sector Human Resources 3(3-0)
- PSC 100 - Introduction to Political Science 3(3-0)
- PSC 105 - Introduction to American Government and Politics 3(3-0)
- PSC 125 - African-American Politics 3(3-0)
- PSC 261 - State and Local Government 3(3-0)
- PSC 320 - The American Legislative Process 3(3-0)
- PSC 322 - Judicial Process and Politics 3(3-0)
- PSC 326/WGS 326 - Women and Politics 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)

Total: 12 semester hours

Bachelor of Science in Education (B.S. in Ed.)

Elementary Provisional Certification

East Lansing and Traverse City, Michigan Centers

Completion of this degree will qualify a student for recommendation to the Michigan State Board of Education for an Elementary Provisional Certificate, which will permit the holder to teach in the elementary schools.

General Education Requirements (30-42 hours)

See General Education Requirements on pages 63-73.

Planned Program/Comprehensive Major (45 hours)

Note: Many of the courses in the Planned Program/Comprehensive Major double count in the University Program and in majors and minors.

ART 345 - Art in the Elementary School 2(1-2)
 AST 165 - Foundations of Astronomy 1(0-2)
 BIO 165 - Life Science for Elementary Teachers 4(3-3)
 CHM 265QR - Chemical Physical Science for Elementary Teachers 2(0-6)
 ENG 315 - Teaching Writing in Elementary and Middle Schools 4(3-1)
 ENG 381 - Children's Literature 3(3-0)
 GEO 120QR - Environmental Geography 3(3-0)
 GEO 350 - United States and Canada 3(3-0)
 HSC 343 - Health Education in the Elementary School 2(2-0)
 HST 210 - United States History through Michigan Eyes 3(3-0)
 MTH 151 - Mathematics for Elementary Teachers I 3(3-0)
 MTH 152 - Mathematics for Elementary Teachers II 3(3-0)
 MUS 330 - Music for Elementary Classroom Teachers 2(2-0)
 PES 310 - Physical Education for the Classroom Teacher 2(Spec)
 PHS 265QR - Quantitative Physical Science 2(1-3)
 PSC 105 - Introduction to American Government and Politics 3(3-0)
 SCI 285 - Earth Systems Science for Elementary Teachers 3(2-2)

Professional Education Sequence Requirements (38 hours)

All of the courses below (except EDU 107 and HDF 100) require students to be admitted to the teacher education program. Students cannot continue in the education program until each previous EDU course is completed with a C+ or better. EDU 432 and EDU 458 may be taken at any point after the course prerequisites are met.

Note: For main campus students, all of these courses except EDU 432 and EDU 458 are offered in cohort blocks and must be taken in a specific order. In order to proceed to the next cohort block of classes, all EDU courses in the previous block must be successfully completed with a grade of C+ or better. Read carefully the section on Standards leading to Teacher Certification for additional requirements.

EDU 107 - Introduction to Teaching 3(3-1)
 EDU 330 - Reading in the Elementary School 3(3-0)
 EDU 380WI - Interdisciplinary Methods and Pre-Student Teaching 10(Spec)
 EDU 393 - Learning Theory in Elementary Education 3(3-0)
 EDU 432 - Student Teaching Seminar 3(3-0)
 EDU 458 - Student Teaching 10(Spec)
 HDF 100 - Lifespan Development 3(3-0)
 SPE 504 - Teaching Students in Inclusive Settings 3(3-0)

Specialized Studies

Option 1 - Choice 1: (Major)

Select a major:
 Integrated Science Major

Minimum Totals for Graduation: 124 hours

- To graduate from CMU you must complete a minimum of 124 hours, at least 40 of which must be in courses numbered 300 or above.
- **Please note:** the combination of some majors and minors may require more than 124 hours for graduation.
- You must earn a minimum overall grade point average of 2.70 in order to graduate with the Bachelor of Science in Education degree.
- Not all major/minor combinations are allowed. Please consult with a university advisor to confirm your choice.
- No more than a total of 27 hours may be taken from the College of Business Administration and counted towards graduation.
- You should read the Requirements for Graduation in this Bulletin for a complete description.
- **Note:** Early advisement and planning are necessary to be able to complete this degree with as few hours as possible.

Major

Interdisciplinary

Integrated Science Major

B.S. in Ed. degree, Provisional Elementary Certification

This major offers a balanced, interdisciplinary program of coursework in the life, physical, and earth and space sciences for students planning to teach elementary or middle school. The required courses have been selected to prepare students to teach the science content in the Michigan Curriculum Framework including strong preparation in science inquiry through laboratory and field methods experiences. Students are encouraged to work closely with an advisor throughout their program. Courses, where appropriate, may be double counted with the University Program and the degree requirements on the Bachelor of Science in Education.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

A minimum grade of a C is required for all non-methods courses used in this major. Any course with a C- or lower will be included in the calculation of the major GPA until it is retaken and a grade of a C or better is earned. All courses must be taken for a grade, not for credit/no credit even if offered as an option. Grades in courses transferred to CMU will count in the calculation of the major GPA. A minimum 2.7 GPA (B-) must be earned in all teaching majors and must be evident prior to student teaching. Some of the courses required by this Major are already degree requirements for all students seeking the Bachelor of Science in Education, Elementary Provisional Certification; 24-25 credits are unique to this Major.

In addition to the courses listed below, each student must receive training in safe chemical use and storage and care of living things from trained personnel prior to applying for student teaching. Students should check the Integrated Science website for the training workshop schedule. There is no enrollment charge to the students for the training and no credit hours are earned. The training is offered fall and spring semesters. The Interdisciplinary Science Education Council oversees these training workshops.

This major is administered by the Interdisciplinary Science Education Council.

Required Courses I (36 hours)

AST 111 - Astronomy 3(3-0)
AST 112 - Introduction to Astronomical Observations 1(0-2)
BIO 101 - General Biology 3(2-2)
BIO 151 - Human Biology 3(3-0)
BIO 229 - Nature Study 3(2-3)
CHM 120 - Survey of Chemistry 4(4-0)
CHM 127 - Introductory Chemistry Laboratory 1(0-2)
GEL 130QR - Earth Processes 3(2-2)
GEL 201 - Earth History 3(2-2)
MTH 107 - College Algebra 3(3-0)
PHS 151 - Introductory Physical Science I 3(2-2)
PHS 251 - Introductory Physical Science II 3(2-2)

Plus an additional 3 credit BIO or SCI course at the 200-level or higher selected in consultation with an advisor.

Note: Equivalent courses for BIO 229, CHM 120, CHM 127, and MTH 107 may be chosen in consultation with an advisor.

Required Courses II (3-4 hours)

Select one of the following:

GEO 105 - Physical Geography 3(2-2)
GEO 201 - Weather and Climate 4(4-0)

Required Courses III (3 hours)

Select one of the following:

BIO 351 - Biological Science for Elementary Teachers 3(Spec)
ESC 400 - Earth Science Education 3(2-2)
SCI 410 - Teaching Integrated Science K-8 3(3-0)

Note: C+ or better is required for the selected course.

Total: 42-43 semester hours

Bachelor of Science in Engineering Technology (B.S.E.T.)

Troy Center

This degree prepares graduates with knowledge, problem solving ability, and hands-on skills to enter careers in the design, installation, testing, evaluation, technical sales, or maintenance of engineering systems. This degree provides students with an opportunity to pursue an approved major in Construction Management, Industrial Engineering Technology, Mechanical Engineering Technology, or Product Design Engineering Technology within the School of Engineering and Technology.

1. General Education Requirements (30-42 hours),
2. Basic Science and Mathematics Requirements (21-25 hours), and
3. Specialized Study (63 hours).

General Education Requirements

(30-42 hours)

See General Education Requirements on pages 63-73.

Basic Science and Mathematics Requirements (19-22 hours)

All students pursuing a degree in engineering technology must complete the following basic science and mathematics requirements.

Core Courses I (12 hours)

CHM 131 - General Chemistry I 4(3-3)
MTH 130 - Pre-Calculus Mathematics 4(4-0)
MTH 132 - Calculus I 4(4-0)

Note: MTH 130 may be waived upon the results of the mathematics placement examination or permission of a mathematics advisor.

Core Courses II (5 hours)

Select one of the following options:

Option 1

PHY 130QR - College Physics I 4(4-0)
PHY 170 - College Physics Laboratory I 1(0-2)

Option 2

PHY 145QR - University Physics I 4(4-0)
PHY 175 - University Physics Laboratory I 1(0-2)

Core Courses III (5 hours)

Select one of the following options:

Option 1

PHY 131 - College Physics II 4(4-0)
PHY 171 - College Physics Laboratory II 1(0-2)

Option 2

PHY 146 - University Physics II 4(4-0)
PHY 176 - University Physics Laboratory II 1(0-2)

Note: The following courses may be used according to rules regarding University Program Requirements: MTH 132, PHY 130QR, PHY 145QR, PHY 170, PHY 175, CHM 131.

Specialized Studies (66 hours)

All students must pursue an approved major in Product Design Engineering Technology within the School of Engineering and Technology.

A minor is optional. Students who wish to complete a minor are encouraged to select Computer Science, Industrial Technology, Mathematics, or Physics.

Majors:

Product Design Engineering Technology

Electives (0-6 hours)

The number of elective hours will vary depending upon the requirements for the degree and major.

Minimum Total for Graduation: 124 hours

- To graduate from CMU you must complete a minimum of 124 hours, at least 40 of which must be in courses numbered 300 or above.
- **Please note:** the combination of some majors and minors may require more than 124 hours for graduation.
- No more than a total of 27 hours may be taken from the College of Business Administration and counted towards graduation.
- You should read the Requirements for Graduation in this Bulletin for a complete description.

Product Design Engineering Technology

Major

B.S.E.T. degree

This major offers a program of coursework for students planning careers in Product Design and Development. Product design as a process is the efficient and effective development of ideas and concepts that lead to new products. Product Design Engineering Technology as a discipline overlaps the conceptual talents of industrial designers and the analytical knowledge required of engineers.

The Product Design Engineering Technology Major is accredited by ATMAE.

Program Educational Objectives for Product Design Engineering Technology

The engineering technology programs have established the following expectations for the accomplishments of our graduates in the first several years following graduation:

1. Attain appropriate employment and practice successfully in a product design engineering technology related profession;
2. Work in multi-disciplinary teams providing technical knowledge and effective communication as engineering technologists;
3. Remain technically current through continuous learning and self-improvement;
4. Understand and exhibit professional, ethical and social responsibility as they pursue their career.

Product Design Engineering Technology Student Outcomes

By the time of graduation from the Product Design Engineering Technology program, students are expected to have:

1. An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities;
2. An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies;
3. An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes;
4. An ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives;
5. An ability to function effectively as a member or leader on a technical team;
6. An ability to identify, analyze, and solve broadly-defined engineering technology problems;
7. An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature;
8. An understanding of the need for and an ability to engage in self-directed continuing professional development;
9. An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity;
10. A knowledge of the impact of engineering technology solutions in a societal and global context; and
11. A commitment to quality, timeliness, and continuous improvement.

All Product Design Engineering Technology students are required to complete the following required courses. Students also need to select nine (9) credit hours of Technical Electives in consultation with an advisor.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

The engineering and technology degree programs consist of extensive laboratory work that involves a close physical relationship with tools, moving machinery and electrical equipment necessitating specific safe practices. Examples include voltage checks, use of safety guards, and continuous observation of associated visual alarms, caution signs and auditory signals.

On-campus students must meet with an E&T advisor at least once a semester to discuss their progress in meeting the degree requirements. Global Campus students must consult with the Program plan advisor. Prerequisites will be strictly enforced for all engineering technology coursework.

A maximum of six semester hours of Credit/No Credit may be used on departmental majors (excluding computer, electrical and mechanical engineering) or minors. Credit/No Credit courses are identified in the Course Search & Registration.

Admission Requirements

Any student in good academic standing at CMU may sign a major in Product Design Engineering Technology. However, students must maintain a cumulative GPA of 2.50 or higher to enroll in all 200-, 300-, and 400-level engineering technology (IET) courses.

Retention & Termination Standards

In order to remain a major in Product Design Engineering Technology, a student must meet the following criteria:

1. Students must select courses in consultation with an engineering technology advisor.
2. Students must maintain a cumulative GPA of 2.50 or higher to enroll in all 200-, 300-, and 400-level engineering technology (IET) courses.
3. At least 30 credits of IET courses must be taken at CMU to graduate with this major.

If a student does not continue to meet the retention standards, s/he may be asked to withdraw from the major. The department maintains the right to terminate a student from the major if s/he is not progressing satisfactorily.

Required Courses (57 hours)

ART 106 - Introduction to Drawing 3(0-6)
 EGR 200 - Computer Aided Problem Solving for Engineers 3(2-2)
 IET 130 - Industrial Materials and Testing 3(2-2)
 IET 154 - Engineering Design Graphics 3(2-2)
 IET 170 - Manufacturing Processes I 3(1-4)
 IET 181QR - Alternative Energy Analysis 3(2-2)
 IET 226 - Parametric Design and Modeling 3(2-2)
 IET 279 - Applied Statics 3(3-0)
 IET 324WI - Product Design and Development 3(2-2)
 IET 350 - Mechanism Design 3(3-0)
 IET 365 - Manufacturing Processes II 3(2-2)
 IET 379 - Mechanics of Materials 3(3-0)
 IET 424 - Human Factors and Ergonomics 3(3-0)
 IET 450 - Mechanical Computer-Aided Engineering 3(2-2)
 IET 451 - Geometric Dimensioning and Tolerancing 3(2-2)
 IET 458 - Surface Modeling 3(2-2)
 IET 499 - Industrial Projects Capstone 3(1-4)
 IET 501 - Application of Industrial Management Principles 3(3-0)
 STA 282QR - Introduction to Statistics 3(3-0)

Technical Electives (9 hours)

Select nine semester hours of coursework from the following:

ART 115 - 2-D Design 3(0-6)
 ART 118 - 3-D Design 3(0-6)
 CPS 180 - Principles of Computer Programming 3(3-0)
 EGR 120 - Introduction to Engineering 3(2-2)
 EGR 190QR - Digital Circuits 3(3-0)
 EGR 290 - Circuit Analysis I 3(3-0)
 EGR 300 - Engineering Economic Analysis 3(3-0)
 IET 223QR - Lean Six Sigma for Process Improvement 3(3-0)
 IET 281 - Dynamics 3(3-0)
 IET 291 - Applied Circuits 3(2-2)
 IET 327 - Industrial Safety 3(3-0)
 IET 375 - Robotics 3(2-2)
 IET 377 - Computer Numerical Control Programming 3(2-2)
 IET 425 - Industrial Internship 2-8(Spec)
 IET 454 - Machine Design 3(2-2)
 IET 455 - Tool Design 3(2-2)
 MTH 133 - Calculus II 4(4-0)

Total: 66 semester hours

Undergraduate Certificate - Cybersecurity

Note: This program is offered online through **Global Campus** only. For this standalone certificate, students will take BIS 510 as their first course, followed by BIS 521, BIS 523, and BIS 525 (which can be taken in any order). The culminating course is BIS 530.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

The Undergraduate Certificate in Cybersecurity is designed for regularly admitted undergraduate student who desire to acquire advanced knowledge and skills in cybersecurity.

To be considered for regular admissions, an applicant must:

1. Matriculate as a regular undergraduate student or a Non-degree Special Admission student.
2. Present a cumulative grade point average of 2.0 (C) or higher in the certificate. All courses are letter graded.
3. Demonstrate computer network literacy by prerequisite coursework or professional certifications in computer networking or cybersecurity.
4. Sign the certificate program by the end of the third week of classes of the term in which the student will complete the certificate.

No more than a total of 27 hours of credit earned in business courses, including business transfer hours, may be counted towards graduation unless the student is majoring in the College of Business Administration.

Required Courses (15 hours)

BIS 510 - Network & Systems Security Fundamentals 3(3-0)
BIS 521 - Governance, Risk, & Compliance in Cybersecurity 3(3-0)
BIS 523 - Cybercrime Forensics 3(3-0)
BIS 525 - Managing Security & Privacy in the Cloud 3(3-0)
BIS 530 - Cybersecurity, Systems, and Network Certification 3(3-0)

Total: 15 semester hours

Undergraduate Certificate - Deafblind Intervener

The Deafblind Intervener Certificate Program is designed for degree-seeking students of any major and non-degree-seeking students interested in a career working with students who are deafblind, ages birth through twenty-one years. Students will take coursework that will prepare them to implement best practices in working with students who are deafblind and lead to a national intervener credential. It is recommended that students have a volunteer placement or employment at a school where they are assigned to work with a student who is deafblind. Assistance in finding a placement will be available through the Intervener Certificate Program Director.

The program is offered in an online format only.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

In order to be admitted into the program, candidates must have a high school diploma or the equivalent.

Double counting of courses will not be allowed.

Required Courses (12 hours)

DBI 101 - Introduction to Deafblindness and Intervention 3(3-1)
DBI 201 - Building Communication and Language Skills 3(3-1)
DBI 301 - Invention Strategies and Teaming 3(3-1)
DBI 302 - Intervention Practicum 3(Spec)

Total: 12 semester hours

Undergraduate Certificate - Technical & Professional Writing

This program is offered through CMU Online only.

This 18-credit-hour certificate is designed for degree-seeking students in any major and non-degree-seeking students who want to become more proficient at writing and editing the kinds of documents common in many workplaces, e.g., business and industry; local, state, and federal government agencies; and non-profit organizations. The program is intended to prepare students for any of several careers: as professionals in particular fields who can write well, as in-house writers in a variety of workplace settings, as freelance technical/professional writers and/or editors, and as graduate students in programs that emphasize technical and professional communication and/or rhetoric

and composition.

Minimum Totals for Graduation: 18 hours

Required Courses (18 hours)

Students will select 18 credit hours from the following:

- ENG 301WI - Nonfiction Writing 3(3-0)
- ENG 303WI - Technical Writing 3(3-0)
- ENG 397 - Independent Study 1-9(Spec)
- ENG 402WI - Argumentation and Expository Writing 3(3-0)
- ENG 503 - Document Design 3(3-0)
- ENG 504 - Technical Editing 3(3-0)
- ENG 514 - Language and Media Discourse 3(3-0)

Total: 18 semester hours

Undergraduate Certificate - Citizen Engagement

Not all required courses are available through Global Campus or CMU Online.

This 15-credit hour certificate is designed for degree-seeking students in any major and non-degree-seeking students who want to learn how to increase citizen participation in civic and political life and how to facilitate deliberation and democratic-decision-making

Required Courses (9 hours)

- PSC 105 - Introduction to American Government and Politics 3(3-0)
- PSC 393 - Practicum in Citizen Engagement 1-12(Spec)
- PSC 513 - Citizen Engagement in Public Life 3(3-0)

Note: 3 credits required for PSC 393.

Electives (6 hours)

Select two courses from one of the following categories:

Electives 1 - Public Opinion Polling

- PSC 280 - Introduction to Empirical Methods of Political Research 3(3-0)
- PSC 394 - Practicum in Public Polling 1-12(Spec)

Note: 3 credits required for PSC 394.

Electives 2 - Elected Institutions and Procedures

- PSC 261 - State and Local Government 3(3-0)
- PSC 300 - Michigan Politics and Elections 3(3-0)
- PSC 320 - The American Legislative Process 3(3-0)
- PSC 321 - The American Chief Executive 3(3-0)
- PSC 323 - American Parties and Politics 3(3-0)
- PSC 325/PHL 345/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
- PSC 326/WGS 326 - Women and Politics 3(3-0)
- PSC 327 - Lobbying and Interest Group Behavior 3(3-0)
- PSC 328 - Campaigns and Elections 3(3-0)

Electives 3 - Appointed Institutions and Procedures

- PAD 210 - Introduction to Public Administration 3(3-0)
- PAD 313 - Public Budgeting Processes 3(3-0)
- PAD 411 - Public Sector Human Resources 3(3-0)
- PSC 261 - State and Local Government 3(3-0)

Total: 15 semester hours

Undergraduate Certificate - Lawmaking and Legal Processes

Not all required courses are available through Global Campus or CMU Online.

This 15-18 credit hour certificate is designed for degree-seeking students of any major and non-degree-seeking students who desire to understand the ways laws are developed, interpreted and implemented in the United States, along with the skills needed to participate in these processes.

Required Courses (12 hours)

- PSC 105 - Introduction to American Government and Politics 3(3-0)
- PSC 320 - The American Legislative Process 3(3-0)
- PSC 321 - The American Chief Executive 3(3-0)
- PSC 322 - Judicial Process and Politics 3(3-0)

Electives (3-6 hours)

Select hours from the following:

- BLR 202 - Legal Environment of Business 3(3-0)
- BLR 410 - Regulatory Law 3(3-0)
- PAD 313 - Public Budgeting Processes 3(3-0)
- PAD 411 - Public Sector Human Resources 3(3-0)
- PSC 125 - African-American Politics 3(3-0)
- PSC 261 - State and Local Government 3(3-0)
- PSC 301 - Law and Policy in Michigan State Government 3(3-0)
- PSC 323 - American Parties and Politics 3(3-0)
- PSC 325/PHL 345/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
- PSC 326/WGS 326 - Women and Politics 3(3-0)
- PSC 327 - Lobbying and Interest Group Behavior 3(3-0)
- PSC 328 - Campaigns and Elections 3(3-0)
- PSC 421 - Constitutional Law: Powers of Government 3(3-0)
- PSC 422 - Constitutional Law: Civil Rights and Liberties 3(3-0)
- PSC 453 - American Foreign Policy 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 516 - Environmental Politics and Policy 3(3-0)
- PSC 520 - American National Government and Politics 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)

Total: 15-18 semester hours

Undergraduate Certificate - Political Advocacy and Elections

Not all required courses are available through Global Campus or CMU Online.

This 15-18 credit hour certificate is designed for degree-seeking students of any major and non-degree-seeking students who desire to gain an understanding of significant social and political issues confronting the United States, along with the ability to resolve these issues through advocacy and electoral strategies.

Required Courses (12 hours)

- PSC 101 - Political Behavior 3(3-0)
- PSC 105 - Introduction to American Government and Politics 3(3-0)
- PSC 327 - Lobbying and Interest Group Behavior 3(3-0)
- PSC 328 - Campaigns and Elections 3(3-0)

Electives (3-6 hours)

Select hours from the following:

- COM 365 - Persuasion and Social Influence 3(3-0)
- COM 527 - Political Communication 3(3-0)
- PAD 412 - Nonprofit Administration 3(3-0)
- PSC 300 - Michigan Politics and Elections 3(3-0)
- PSC 323 - American Parties and Politics 3(3-0)
- PSC 325/PHL 345/REL 345/SOC 345 - The Civil Rights Movement 3(3-0)
- PSC 326/WGS 326 - Women and Politics 3(3-0)
- PSC 513 - Citizen Engagement in Public Life 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 516 - Environmental Politics and Policy 3(3-0)
- PSC 583 - Survey Research 3(3-0)

Total: 15-18 semester hours

Master of Arts (M.A.) in Education

Note: Currently the M.A. degree in Education is only offered through Global Campus.

Minimum Totals for Graduation: 30-34 hours

The Master of Arts degree in Education is designed to provide knowledge and skills for individuals required to function effectively in various positions of educational leadership. This is not a certification program for educators, as it presumes the individual is already trained and qualified in the technical aspects of her or his field.

The MA degree in Education program requires the student to complete a core of 9 semester hours, which includes an integrating experience (Capstone Project, Field Study, or Thesis). An additional 21-25 semester hours must then be completed with specific courses determined by the academic advisor. All candidates for the MA must complete a minimum of 30-34 semester hours.

For information: Kaleb G. Patrick, Ed.D., Director, 195 Ojibway Court, EHS 314, Mt. Pleasant, MI 48859; 989-774-3144, maed@cmich.edu.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 3.0 for the Curriculum and Instruction Concentration
2.7 for the Training & Development Concentration or Community College Concentration

Entrance Exam: N/A

See Admission Requirement Details Below

Important Message for Prospective Students: It is highly recommended that students contact the appropriate licensing agency in their state of residence if they are considering an academic program that leads to a professional license. CMU offers state-by-state information at <http://dev.cel.cmich.edu/compliance/professionallicensure.aspx> with web links to the appropriate licensing agencies. It is the responsibility of students to contact the appropriate licensing agency and to understand the requirements in their state of residence as applied to their specific situation.

Admission

Applicants for the MA in Education holding a baccalaureate or equivalent degree from a college or university of recognized standing may be granted regular admission, provided they have an overall cumulative undergraduate grade point average of 3.0 or higher (on a 4.0 scale) for the *Curriculum and Instruction Concentration* and 2.7 or higher (on a 4.0 scale) for the *Training and Development Concentration* or the *Community College Concentration*. Conditional admission may be granted when the applicant does not meet the requirements for regular admission and evidence exists to support the applicant's potential for success in the program. Admission decisions are governed by the policies of Graduate Studies.

Note: For the Integrated Science concentration, applicants must have completed an undergraduate degree with at least 20 semester hours of undergraduate science, including biology, chemistry, geology (or the equivalent) and possess a current teaching certificate with a science endorsement. An applicant who does not meet the foregoing requirements may be granted Conditional Admission with the understanding that additional coursework may be required. Please note: the total number of credit hours for the MA in Education: Integrated Science is 34 hours.

Program Requirements

To qualify for graduation, candidates for the Master of Arts (MA) degree in Education must meet all of the following requirements found in the Graduate Degree Requirements and the following requirements:

1. Earned a minimum of 30-34 semester hours of acceptable graduate credit (21-25 semester hours of which must be in the area of concentration/emphasis).
2. Earned a minimum of 18 semester hours from Central Michigan University.
3. Submitted evidence of scholarship by meeting the Plan A or Plan B requirements.

Degree Requirements

Program Core I (3 hours)

EDU 590/SPE 510 - Advanced Technology in Education 3(2-3)

Program Core II (6-9 hours)

Select one of the following options:

Option 1 (9 hours)

For a concentration in Community College, select EDU 600 and one of EDL 797 or 798:

EDL 600 - Research for Educational Leadership 3(3-0)

EDL 797 - Field Study 1-6(Spec)

EDL 798 - Thesis 1-6(Spec)

Option 2 (6 hours)

For Concentrations in Curriculum & Instruction or Integrated Science, select:

EDU 660 - Methods of Educational Research 3(3-0)

EDU 776 - Seminar: Issues in Education 3(3-0)

Option 3 (6 hours)

For a Concentration in Training & Development, select:

EDL 600 - Research for Educational Leadership 3(3-0)

EDL 797 - Field Study 1-6(Spec)

Note: EDU 776 Seminar: Issues in Education, EDL 797 Field Study, or EDL 798 Thesis - Following accepted guidelines toward the end of their degree program, students are required to research, analyze and provide a plan of action relevant to a problem or opportunity within their own organization or professional field.

Concentrations

Select one of the following:

(continued)

Community College Concentration

This program is designed to provide knowledge and skills for individuals to function effectively in positions of leadership student affairs administration, teaching, or training and development in a community college environment. This is not a certification program for teachers or administrators but may be utilized for professional advancement or as a base for a doctoral program in Community College Education.

Required Courses (18 hours)

Select from the following:

- EDL 676 - Administration of Community Colleges 3(3-0)
- EDL 705 - The Ontario College System 3(3-0)
- EDL 751 - Program Evaluation and Review 3(3-0)
- EDL 757 - Student Development Theory 3(3-0)
- EDL 760 - Leadership Theory and Practice 3(3-0)
- EDL 778 - Contemporary Issues in Higher Education 3(3-0)

Emphasis (3 hours)

Select one of the following emphases:

Administration/Student Affairs Emphasis (3 hours)

- EDL 763 - The Academic Profession 3(3-0)

College Teaching Emphasis (3 hours)

- EDL 680 - Teaching in Higher Education Settings 3(3-0)

Training and Development Emphasis (3 hours)

- EDL 612 - Methods and Techniques of Training and Development 3(3-0)

Total: 33 semester hours

Curriculum and Instruction Concentration

This program is designed to provide knowledge and skills for individuals to function effectively in positions of leadership or the teaching environment. This is not a certification program for teacher or administrators but may be utilized for professional advancement.

Required Courses (18 hours)

- EDU 602 - Strategies and Techniques for Teaching 3(3-0)
- EDU 613/MLE 613 - Current Educational Issues 3(3-0)
- EDU 614 - Advanced Educational Psychology 3(3-0)
- EDU 662 - Applied Educational Measurement and Evaluation 3(3-0)
- EDU 705 - Theory and Practice in Curriculum Development 3(3-0)
- EDU 706 - Theory and Practice of Instruction 3(3-0)

Emphasis (3-6 hours)

Select one of the following emphases:

Instruction Emphasis (3 hours)

Select one of the following:

- EDU 515 - Managing Classrooms and Learning Environments 3(Spec)
- EDU 770 - Practicum in Systematic Curriculum Development 3(3-0)

Mathematics Emphasis (6 hours)

Select two specific courses in Mathematics for 3 hours each.

Reading Emphasis (6 hours)

Select EDU 603 OR EDU 606, **plus** EDU 540:

- EDU 540 - Literacy Education: Theory and Practice 3(3-0)
- EDU 603 - Elementary Diagnosis, Remediation and Differentiation of Reading 3(3-0)
- EDU 606 - Secondary Advanced Reading Diagnosis and Instruction 3(3-0)

Total: 30-33 semester hours

Training and Development Concentration

This program is designed to provide knowledge and skills for individuals to function effectively in positions of leadership or teaching in the adult education environment. This is not a certification program for teachers or administrators but may be utilized for professional advancement.

Required Courses (21 hours)

- EDL 612 - Methods and Techniques of Training and Development 3(3-0)
- EDL 620 - Administration Within Diverse Populations 3(3-0)
- EDL 624 - Planning for Instruction in Nontraditional Settings 3(3-0)
- EDL 626 - The Adult Learner 3(3-0)
- EDL 710 - Action Research 3(3-0)
- EDL 751 - Program Evaluation and Review 3(3-0)
- EDL 760 - Leadership Theory and Practice 3(3-0)

Total: 30 semester hours

Master of Arts (M.A.) in Educational Technology

Minimum Totals for Graduation: 33 hours

The Educational Technology master's degree program prepares students to provide instruction utilizing new learning technologies. The technologies addressed in this program include multimedia, telecommunications, and distance learning. While meeting the needs of the classroom teacher, this program also prepares individuals for technology leadership roles.

The degree program requires a minimum of 33 hours and all candidates for the MA must complete the Educational Technology Seminar, resulting in a terminal project. Educational Technology projects must demonstrate effective uses of technology in K-12 classroom settings.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 2.7

Entrance Exam: N/A

International Application Deadline: July 1 (Fall), Oct. 1 (spring)

See Admission Requirement Details Below

In addition to the university's general admission requirements, the student must either hold a valid K-12 teaching certificate or be employed in an educational capacity within their school, school district, community college, or profession. Regular admission in the program requires an undergraduate grade point average of at least 2.7 (on a 4-point scale). Students with a GPA below 2.5 will not be considered for admission for the graduate program in teacher education. A maximum of 9 hours taken before signing the master's program may be counted on the program. Students must earn a B- or better in each graded course within the 9 hours taken.

Advisors for the master's program are assigned only after the student has been regularly or conditionally admitted to Graduate Studies at CMU and has selected an option.

Degree Requirements

Required Courses (12 hours)

- EDU 590/SPE 510 - Advanced Technology in Education 3(2-3)
- EDU 613/MLE 613 - Current Educational Issues 3(3-0)
- EDU 614 - Advanced Educational Psychology 3(3-0)
- EDU 662 - Applied Educational Measurement and Evaluation 3(3-0)

Required Cognate Courses (18 hours)

- EDU 642 - Instructional Multimedia 3(3-0)
- EDU 643 - Instructional Design 3(3-0)
- EDU 653 - The Read/Write Web 3(3-1)
- EDU 707 - Seminar: Issues in Educational Technology 3(3-0)
- EDU 708 - Distance Education 3(3-0)
- EDU 710 - Seminar: Terminal Project 3(3-0)

Electives (3 hours)

Select from the following:

EDL 610 - Grants and Fund Procurement 3(3-0)
EDU 506 - Principles and Techniques for Individualizing Instruction 3(3-0)
EDU 515 - Managing Classrooms and Learning Environments 3(Spec)
EDU 566 - Independent Study in Elementary Education 1-6(Spec)
EDU 709 - Innovative Uses of Technology 3(3-0)
(or courses selected in consultation with graduate advisor.)

Total: 33 semester hours (minimum)

Educational Technology Cognate:

EDU 810 - Grant Writing 3(3-0)
EDU 811 - Motivation in Online and Blended Learning 3(3-0)
EDU 842 - Mobile Learning 3(3-0)
EDU 862 - Data Driven Decision Making 3(3-0)
EDU 870 - Higher Order Learning and New Literacies 3(3-0)

Comprehensive Exams

Students will be expected to take written qualifying exams upon the completion of their academic core classes. Comprehensive exams will be administered in the fall and spring of each year. Upon successful completion of the comprehensive exam, students are advanced to candidacy.

Dissertation

EDU 898 - Dissertation 1-18(Spec)

The candidate will complete three steps in the dissertation process:

1. the proposal review stage in which there is a formal review of the literature and a journal article submitted for publication; The proposal of the candidate's research, the research question and methodology for conducting the research will be proposed and approved by the candidate's dissertation committee;
2. conducting the research, analyzing the results, and writing the final document including a minimum of one journal article submitted for publication after successful defense; and
3. oral defense of the research.

Total: 87 semester hours

Master of Arts (M.A.)

in Reading and Literacy K-12

Minimum Totals for Graduation: 33 - 36 hours

The Master of Arts in Reading and Literacy K-12 has been developed based on teacher preparation standards written by the International Reading Association (IRA) and the National Council of Teachers of English (NCTE) and adopted by the National Council for the Accreditation of Teacher Education (NCATE). In addition, the course work contains components to meet the standards approved by the Michigan State Board of Education for the Reading Specialist (BR) Endorsement (July 20, 2000). Any certified teacher meeting the requirements for entry into graduate studies at Central Michigan University is eligible to enter the program.

The Master of Arts in Reading and Literacy K-12 provides students with knowledge and skills in reading and writing programs K-12. The major objectives of the program will enable students to:

1. organize and implement school literacy programs
2. diagnose and treat difficulties in literacy
3. implement appropriate reading and writing instruction.
4. develop interdisciplinary and integrated units involving literacy.
5. conduct research about current issues of literacy.
6. develop technological and viewing skills related to literacy programs.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 2.7

Entrance Exam: N/A

Internat'l Application Deadline: July 1 (Fall), Oct. 1 (spring)

See Admission Requirement Details Below

Important Message for Prospective Students: It is highly recommended that students contact the appropriate licensing agency in their state of residence if they are considering an academic program that leads to a professional license. CMU offers state-by-state information at <http://dev.cel.cmich.edu/compliance/professionallicensure.aspx> with web links to the appropriate licensing agencies. It is the responsibility of students to contact the appropriate licensing agency and to understand the requirements in their state of residence as applied to their specific situation.

Admission

In addition to the university's general admission requirements, the student must have a valid K-12 teaching certificate or equivalent. Regular admission into the program requires an undergraduate grade point average of at least 2.70 (on a four point scale). Students with a GPA below 2.70 will not be considered for admission to the program.

A maximum of 9 hours taken before signing the master's program may be counted toward the program. Students must earn a B- or better in each graded course.

Program Requirements

Residence Requirement for Plans A and B:

Students are required to complete a minimum of 12 semester hours of credit in graduate courses taken at the Mount Pleasant campus or from Teacher Education Professional Development tenured and tenure track faculty in course work offered by Global Campus.

Degree Requirements

Required Courses - Reading and Literacy Concentration (18 hours)

EDU 630 - Organization and Implementation of School Literacy Programs 3(3-0)
 EDU 632 - Practicum in Literacy Assessment and Intervention 6(Spec)
 EDU 636 - Classroom Reading and Writing Instruction 3(3-0)
 EDU 641 - Literacy in the Disciplines 3(3-0)
 EDU 730 - Seminar: Issues in Literacy 3(3-0)

Core Courses

Select one of the following plans:

Plan A - Required Core (15 hours)

EDU 613/MLE 613 - Current Educational Issues 3(3-0)
 EDU 660 - Methods of Educational Research 3(3-0)
 EDU 698 - Thesis 1-6(Spec)
 EDU 755 - Advanced Research Design and Interpretation 3(3-0)

Plan B (18 hours)

Required Core (15 hours)

EDU 590/SPE 510 - Advanced Technology in Education 3(2-3)
 EDU 613/MLE 613 - Current Educational Issues 3(3-0)
 EDU 614 - Advanced Educational Psychology 3(3-0)
 EDU 662 - Applied Educational Measurement and Evaluation 3(3-0)
 EDU 780/MLE 780 - Master of Arts Capstone Experience 3(3-0)

Electives for Plan B (3 hours)

An elective course may be selected from the following:

EDU 528 - Emergent Literacy: Theory and Practice 3(3-0)
 EDU 538 - Integrated Language Arts 3(3-0)
 EDU 540 - Literacy Education: Theory and Practice 3(3-0)
 EDU 635 - Advanced Language Arts Instruction 3(3-0)
 ENG 517 - Reading and the English Classroom 3(3-0)
 ENG 573 - Linguistics and Reading 3(3-0)
 ENG 580 - Young Adult Literature 3(3-0)
 ENG 581 - The History of Children's Literature in English 3(3-0)
 ENG 582 - Cultural Pluralism in Young Adult and Children's Literature 3(3-0)
 ENG 681 - Seminar in Children's Literature 3(3-0)
 COM 569 - Communication in the Classroom 3(3-0)
 SPE 577 - Introduction to Specific Learning Disability 3(3-0)
 TAI 585 - Creative Dramatics 3(2-2)

Note: Plan B students must also take a comprehensive four (4) hour examination over the course work in the student's M.A. program. This exam must be taken early in the term following the completion of EDU 780.

Students will not need to register or pay fees for this exam. The exam may be taken a maximum of two times. Specific descriptions of the program and exam requirements are available in 421 EHS Building or online.

Total: 33-36 semester hours

Note: Plan A requires a total of 33 hours. Plan B requires a total of 36 hours.

Professional Portfolio

Students are required to complete a Professional Portfolio that consists of evidence of significant scholarship and ability relating to competence in administration and leadership. The portfolio is developed and maintained by the student during the graduate educational experience. Portfolios should include evidence of his or her competence in the standard of the Educational Leadership Constituents Council (ELCC) standards.

The portfolio is composed of the student's resume and professional platform.

- Resumé - Detailed educational and professional experiences.
- Professional Platform - A series of personal statements that provide performance-based evidence that demonstrates mastery of the knowledge and skills required for effective leadership (ELCC, 2011). The platform provides the foundation that guides the student's thinking and decisions he or she makes about educational leadership issues and speaks to the performance outcomes necessary to effectively lead an organization.
- Supporting Documents - The portfolio also includes relevant documents that the student has created throughout his or her graduate experience that support the professional platform and serve as key examples of the student's scholarly work and performance.

Portfolios are developed in the capstone course and require departmental approval prior to graduation.

Exit Exam

Praxis SLLA

The Exit Examination is proctored during the capstone course and a passing score is required to complete the program. Students seeking Michigan Administrator Certification must pass the Praxis SLLA administered by ETS®. Students are responsible for scheduling the SLLA at a testing center of their choosing. A full list of locations and registration information can be found at: <https://www.ets.org>.

Total: 30-36 semester hours

Doctor of Education (Ed.D.) in Educational Leadership

Minimum Totals for Graduation: 63 - 66 hours

The Ed.D. degree in Educational Leadership is designed to provide in-depth knowledge and skills to educational leaders who seek to develop and refine their knowledge and skills to help transform through practice the educational institution. The program emphasizes the application of scholarship (theory) to the improvement of educational practice. It is intended for individuals in educational leadership careers. Students accepted into the program will be part of a cohort. The Ed.S. degree program was also designed for a seamless transition into the Doctor of Education (Ed.D.) in Educational Leadership program if the applicant meets department requirements. Students entering the Doctor of Education program, who have an earned Specialist in Education degree in Educational Leadership from an approved institution, may receive up to a maximum of 27 credits toward the Doctor of Education. Remaining Doctor of Education requirements must be completed at Central Michigan University.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

Masters' GPA: 3.5

Entrance Exam: GRE

Application Deadline: July 1

See Admission Requirement Details Below

Admission. In order to be considered for admission to the program, an applicant must have completed a master's degree with a minimum graduate grade point average of 3.5 and must have completed three years of professional education experience. (Preference will be given to those with leadership experience.)

There are two application deadlines, April 1 and July 1. Preference will be given to April 1 applicants. Admission will continue until the cohort is filled. A completed application packet will include the following materials:

To Graduate Studies:

1. Graduate Application
2. Application Fee
3. Official transcript(s) pertaining to all previous undergraduate and graduate coursework

To the Department of Educational Leadership:

1. Three Recommendations: Use the EdD Letter of Recommendation Form (found on EDL website) and submit recommendations from three individuals who can attest to the applicant's leadership ability and potential for success in this program.
2. Personal Statement: A two- or three-page typewritten statement incorporating how the applicant's program goals and beliefs about leadership connect to the Educational Leadership program and these principles:
 - a. Vision for student success and achievement,
 - b. Involvement of all stakeholders,
 - c. Leadership for a diverse and complex society, and
 - d. Demonstration of ethical behavior.
3. A two-page written statement that identifies at least two significant activities which indicate experiences, abilities, and potential for educational leadership. For each activity identified, applicants should clearly describe the activity and the role and responsibilities they assumed, include the number of people involved or impacted by the activity, describe the budget (if applicable) and resources used, and summarize with a self-reflective statement addressing the insight and learning that occurred.

4. GRE Score: An official score report from the Graduate Record Examination (GRE) earned within the last five years.
5. Current Resume or Vita identifying training, experience, and professional accomplishments. Applicant must have at least three years of experience in education or a related field.
6. Signed Declaration of Commitment (found on EDL website)
7. Participation in Doctor of Education Interview/Group Process
8. TOEFL Score: If your native language is not English, submit an official score report from the Test of English as Foreign Language (TOEFL). The TOEFL is required of all non-native speakers unless they have completed two years of university-level coursework in an English-language institution.

The Doctoral Program Committee will make all decisions regarding admissions, selecting the cohort from those interviewed. Preference will be given to those applicants who have a demonstrated history of educational leadership and who have career goals consistent with the expectations of this program. The total application package will be evaluated holistically.

Exam for those who seek Michigan Central Office Administration Certification: Praxis SSA (School Leadership Series-School Superintendent Assessment)

Students are responsible for scheduling the Praxis SSA at a testing center of their choosing. A full list of locations and registration information can be found at: <https://www.ets.org/praxis/register/>

Program Requirements. Progress through the program is based upon obtaining satisfactory grades (a 3.25 GPA average overall), passing written and oral comprehensive exams, and completing a doctoral dissertation. Students who have an earned Educational Specialist degree may be able to waive some program requirements.

Continuous Progress Policy. In order to encourage degree completion and current knowledge of the dissertation process and research methodology, the faculty in the Department of Educational Leadership enact the following policy:

- EdD students have one calendar year following their final course (EDL 897) or comprehensive exam; whichever is the latter, to successfully defend their dissertation proposal.
- In the event that a student does not successfully defend his/her proposal within the allotted one-year time frame, the student will be required to take or retake EDL 897 within six months of the one-year date. If the course is a retake, the three credits will not count toward the student's degree completion. If the student fails to take EDL 897 within the required timeframe, the student may be dismissed from the program.
- In the event that a student does not successfully defend his/her dissertation proposal within two years following the final course (EDL 897) or comprehensive exam, whichever is the latter, the student will be required to retake EDL 700 and EDL 897 within 6 months of the two year date. If the student fails to take EDL 700 and EDL 897 within the required timeframe, the student may be dismissed from the program. The course retake will not count toward the student's degree completion.
- In the event that a student has not successfully defended his/her dissertation proposal within three years following his/her final course (EDL 897) or comprehensive exam, whichever is the latter, the student will be dismissed from the program.

Research Requirements (9 hours)

The research component encompasses both quantitative and qualitative research methods. The competencies to be developed are essential to interpreting and evaluating research studies to be encountered in all course work as well as to completing the dissertation requirement.

EDL 700 - Educational Research Design 3(3-0)

EDL 800 - Qualitative Research in Educational Leadership 3(3-0)

EDL 801 - Quantitative Analysis in Educational Leadership 3(3-0)

Academic Core (15 hours)

The academic core component includes all of the critical areas of study for future educational leaders: foundations, organizational and leadership analyses, and the issues which change and dominate over time. The courses are designed to provide students with the underpinnings to understand and to act effectively upon the challenges confronting the educational organization.

EDL 815 - Ethical Leadership 3(3-0)

EDL 855 - Organizational Culture and Change in Educational Institutions 3(3-0)

EDL 860 - Organizational Theory in Educational Institutions 3(3-0)

EDL 899 - Doctoral Seminar 3-6(Spec)

Concentration (12 hours)

There are four choices from which students may select a concentration, based upon their needs assessment. The specific courses will be determined in consultation between the student and the academic advisor.

Concentration I: K-12 Leadership

EDL 775 - Educational Policy Analysis 3(3-0)

Plus nine hours of electives to be chosen in consultation with program advisor.

Concentration II: K-12 Curriculum

EDL 773 - Instructional Supervision and Leadership 3(3-0)

Plus nine hours of electives to be chosen in consultation with program advisor.

Concentration III: Higher Education Leadership

EDL 876 - Higher Education Policy 3(3-0)

Plus nine hours of electives to be chosen in consultation with program advisor.

Concentration IV: Educational Technology

EDU 707 - Seminar: Issues in Educational Technology 3(3-0)

Plus nine hours of electives to be chosen in consultation with program advisor.

Cognate (9 hours)

The cognate, to be determined jointly by the student and advisor, can be completed in one academic discipline or by taking a combination of courses from more than one academic discipline.

Field-Based Experience (3-6 hours)

This internship experience will assist students in strengthening their leadership competencies. The number of credit hours required will be determined with the student's advisor based upon the student's past professional experience and personal career objectives. Forty-five contact hours will be required for each credit earned. A letter of understanding will be developed between the student, district, and university supervisor as to the responsibilities and expectations for the experience.

EDL 880 - Doctoral Internship 3-6(Spec)

Comprehensive Exams

Students will be expected to take written qualifying exams upon the completion of their academic core classes. Qualifying exams will be administered in the fall and spring of each year. Comprehensive review of all program materials is completed with the successful defense of a student's dissertation proposal. At this point, students are advanced to candidacy.

Dissertation (15 hours)

The student will complete three steps in the dissertation process:

1. the proposal review stage in which there is a formal defense of the dissertation proposal;
2. conducting the research, analyzing the results, and writing the final document;
3. an oral defense of the dissertation.

Total: 63-66 semester hours

Note: Students with an earned Ed.S. may be eligible for fewer than the maximum total program credits indicated if they meet university requirements.

Graduate Certificate in College Teaching

Minimum Totals for Graduation: 15 hours

The Graduate Certificate in College Teaching is designed to prepare students for a faculty teaching career in post-secondary education. The 15-credit hour certificate is intended for graduate students who desire preparation and training in the area of college teaching. Courses eligible for the certificate program include an assortment of topics relevant to teaching in higher education such as student background (adult learners and traditionally-aged students), classroom teaching theory and strategies, online/hybrid or distance education, and the professoriate. Students enrolled in the Graduate Certificate in College Teaching will take 15 credit hours, selected with their advisor from the courses listed below.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

- Undergraduate degree with cumulative GPA of 3.0 or higher from an accredited institution.
- Master's degree in student's teaching-related discipline with a cumulative GPA of 3.0 or current enrollment in a master's degree program.
- Official transcripts from all undergraduate and graduate schools you have attended.
- Current resumé identifying training, experience, and professional accomplishments.
- A one-page personal statement addressing 1) what courses or discipline you intend to teach; 2) your interest in pursuing the Graduate Certificate in College Teaching as it relates to your professional goals.
- Applicants must meet the requirements for admission to Graduate Studies.

Students may utilize certificate courses (a maximum of six (6) semester credits) to meet program requirements for other degrees, allowing for a concurrent awarding of both a degree and an earned certificate. Students must be accepted into both a degree program and the certificate option to obtain both options and work with their advisor to determine appropriate courses and eligibility. Students may also enroll in the certificate option alone. Students must receive a B or better in their first six (6) hours to remain in the program.

A master's degree is required for admission into the Graduate Certificate in College Teaching unless one is not offered in your field. Applicants must then provide evidence of disciplinary content knowledge and expertise suitable to being hired to teach at the community college level in their chosen field or discipline. The department of Educational Leadership will be responsible for the final determination of evidence suitability for waiving the Master's degree requirement.

Individuals interested in teaching and in post-secondary education settings should know that to be eligible to teach at a community college, they must first earn a master's degree in an academic discipline and have completed a minimum of 18 graduate credit hours in each discipline that they hope to teach. Individuals hoping to teach at a four-year institution typically must earn at least a master's degree to teach undergraduate students and a doctoral degree to teach graduate students. In addition, some professional programs at a four-year institution require 18 graduate credit hours in the academic discipline. This Graduate Certificate in College Teaching is not a substitute for any of the above noted educational requirements.

Required Courses (15 hours)

Select from the following:

- EDL 626 - The Adult Learner 3(3-0)
- EDL 677 - The American College Student 3(3-0)
- EDL 680 - Teaching in Higher Education Settings 3(3-0)
- EDL 681 - Teaching with Technology in Higher Education Settings 3(3-0)
- EDL 697 - College Teaching Internship 3(3-6)
- EDL 763 - The Academic Profession 3(3-0)

Total: 15 semester

Master of Arts (M.A.) in Counseling

Minimum Totals for Graduation: 60 hours

The Counselor Education faculty at Central Michigan University offer courses and programs designed to prepare students to work as counseling personnel in public and private schools, institutions of higher education, community-based social service agencies, and private practice. Many classes are offered afternoons, evenings, and weekends to better accommodate nontraditional students. Students who successfully complete a program for Counselor Education earn a Master of Arts degree in Counseling.

Faculty members include licensed professional counselors and national certified counselors. Full-time counselor education faculty hold doctoral degrees in counselor education or a related field. Teaching excellence is a top priority of the faculty.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 2.7

Entrance Exam: GRE

Application Deadline: Six weeks prior to registration

See Admission Requirement Details Below

Note: See the *Global Campus Bulletin* for Admission Requirements and Program Requirements for Global Campus students.

Admission Requirements

To be eligible for Conditional Admission to the M.A. in Counseling program, a complete application includes:

- a graduate application;
- all transcripts from undergraduate and graduate degree work;
- recent (not more than five years old) Graduate Record Exam (GRE) score to be sent directly to Center Services, CMU North, 802 Industrial Drive, Mt. Pleasant, MI 48858 (please use the CMU designator code #1106 when having your GRE scores sent to the university);
- written statement of purpose and general plans for graduate study; and
- Two (2) letters of recommendation (one professional [e.g. supervisor, employer, academic professor/instructor] and one personal [not a family member]).

The GRE assesses verbal reasoning, quantitative reasoning, and analytical writing. Testing centers, test dates and seating availability can be found here: <https://mygre.ets.org/greweb/action/RegPortal>. When selecting a test date, make sure your scores will be reported in time for your application deadline. Use 1106 as your institution code. For computer-delivered tests, scores reports are sent to your designated score recipients approximately 10–15 days after your test date, but can take up to six weeks for paper-based scoring. For more information, visit www.cse.cmich.edu. CMU must receive the official score report from the testing company, rather than from the applicant.

The written statement should consist of a 2-3 page APA formatted essay detailing the following: (1) an explanation of why the applicant wants to enter the Counseling program/profession, (2) what skills the applicant possesses that would make the applicant successful in the graduate program in Counseling, and (3) how the Counseling program is congruent with the applicant's career goals.

Two (2) letters of recommendation are required for your application. One should be a professional reference from an academic instructor, current/past supervisor, colleague etc. The second should be a personal reference from a mentor, advisor, volunteer manager, etc. Letters must include an original signature. Letters written from family members or friends are not acceptable. For more information, visit www.cse.cmich.edu.

The applicant's cumulative undergraduate grade point average (GPA) (2.7 minimum), two (2) letters of recommendation, written statement of purpose and general plans for graduate study, and GRE score all are considered in determining admission. Students who have below a 2.7 minimum undergraduate GPA are still encouraged to apply and will receive consideration. All application materials and GRE score must be received by the Center Services, CMU North, 802 Industrial Drive, Mt. Pleasant, MI, 48858, before a decision will be made whether to recommend the applicant for admission.

If an applicant has met all of the requirements and is invited on campus for the interview process by department faculty, the applicant will participate in a ½ day in-person interview. Attendance at the interview is mandatory and the dates of the interview will be made available in advance for you to make accommodations to be there.

Upon successful completion of the initial screening process and in-person interview, the applicant will be recommended for admission. This decision will be sent to Graduate Studies and if approved, the applicant will be admitted on a conditional basis. To be eligible for regular admission status, the student must first complete a minimum of 9 semester credit hours of course work in the Counselor Education program with a minimum 3.0 GPA. The student must then submit an petition for reclassification (available through the College of Graduate Studies), which will be reviewed by the Counselor Education faculty, using established department criteria to determine the student's suitability for regular admission.

Program Requirements

The Addiction Counseling, Clinical Mental Health Counseling, and School Counseling concentrations require each candidate to successfully complete a minimum of 60 credit hours. Students will gain knowledge and experience in research, group techniques, counseling theories, counseling techniques, ethics, counseling philosophy, multicultural counseling, testing procedures, career development, and consulting. Practicum and internship experiences will complete the minimum requirements. Elective courses will provide students additional studies and experience in areas of personal interest.

Each student will participate in a supervised counseling experience (practicum) in the Center for Community Counseling and Development on CMU's campus (Global Campus students' practicum will take place in the field), and a field-based 600 hour internship experience. This program also requires successful completion of a comprehensive examination.

The candidate should complete their Authorization of Degree Program form with their assigned advisor after achieving Regular Admission status.

Elective courses will be selected with the approval of the advisor. The faculty recommends taking the comprehensive examination during the semester the student intends to graduate.

Progress through the program is based on satisfactory grades (grade point average of "B" or better) and satisfactory evaluations of pre-professional functioning (e.g., demonstration of appropriate personal and professional skills, ethical standards, and behaviors). Serious and persistent difficulties in pre-professional functioning may result in dismissal from the program.

Degree Requirements

Select one of the following concentrations:

(continued)

Counseling: Addiction Counseling Concentration

This concentration prepares students interested in qualifying for licensure as a Professional Counselor (LPC) in Michigan and who wish to work in the addiction field. Potential work settings would include: community-based social service agencies, institutions of higher education, criminal justice institutions, counseling personnel in public and private schools, and private practice.

Core Courses (36 hours)

- CED 610 - Career Counseling 3(3-0)
- CED 620 - Introduction to Multicultural Issues in Counseling 3(3-0)
- CED 630 - Ethics & Consultation in Counseling 3(3-0)
- CED 640 - Assessment in Counseling 3(3-0)
- CED 650 - Theories and Techniques of Group Counseling 3(3-0)
- CED 660 - Counseling Techniques 3(3-0)
- CED 665 - Personal and Professional Development Across the Lifespan 3(3-0)
- CED 677 - Counseling Theories 3(3-0)
- CED 690 - Counseling Practicum 1-6(Spec)
- CED 695 - Research in Counseling 3(3-0)
- CED 699 - Diagnosis & Treatment Planning in Counseling 3(3-0)

Additional Requirements (12 hours)

- CED 641 - Introduction to Counseling for Addictions 3(3-0)
- CED 642 - Neuropsychopharmacology 3(3-0)
- CED 643 - Etiology of Addiction 3(3-0)
- CED 644 - Addiction Oriented Systems and Methods of Care 3(3-0)

Electives (6 hours)

Select other CED courses, approved SPE courses, or approved transfer credits to bring credit hour total to at least 60.

Plan B Requirement (6 hours)

Satisfied by CED 691 (6 hours) and Comprehensive Examination.
CED 691 - Internship 1-6(Spec)

Total: 60 semester hours

Counseling: Clinical Mental Health Counseling Concentration

This concentration prepares students interested in qualifying for licensure as a Professional Counselor (LPC) in Michigan. Potential work settings would include: community-based social service agencies, institutions of higher education, counseling personnel in public and private schools, and private practice.

Core Courses (36 hours)

- CED 610 - Career Counseling 3(3-0)
- CED 620 - Introduction to Multicultural Issues in Counseling 3(3-0)
- CED 630 - Ethics & Consultation in Counseling 3(3-0)
- CED 640 - Assessment in Counseling 3(3-0)
- CED 650 - Theories and Techniques of Group Counseling 3(3-0)
- CED 660 - Counseling Techniques 3(3-0)
- CED 665 - Personal and Professional Development Across the Lifespan 3(3-0)
- CED 677 - Counseling Theories 3(3-0)
- CED 690 - Counseling Practicum 1-6(Spec)
- CED 695 - Research in Counseling 3(3-0)
- CED 699 - Diagnosis & Treatment Planning in Counseling 3(3-0)

Additional Requirements (12 hours)

- CED 603 - Introduction to Clinical Mental Health Counseling 3(3-0)
- CED 641 - Introduction to Counseling for Addictions 3(3-0)
- CED 679 - Crisis and Trauma Counseling 3(3-0)
- CED 686 - Psychopathology 3(3-0)

Electives (6 hours)

Select other CED courses, approved SPE courses, or approved transfer credits to bring credit hour total to at least 60.

Plan B Requirement (6 hours)

Satisfied by CED 691 (6 hours) and Comprehensive Examination.
CED 691 - Internship 1-6(Spec)

Total: 60 semester hours

Counseling: School Counseling Concentration

This concentration is designed for students who are interested in a school counseling endorsement or school counseling licensure. Students with a valid Michigan teaching certificate may seek a school counseling endorsement on their teaching certificate. Upon completion of the degree program, these students may apply through CMU's EHS Center for Student Services to add a counseling endorsement to their teaching certificate. Students who do not have a valid Michigan teaching certificate may apply for school counseling licensure through CMU's EHS Center for Student Services upon completion of the degree program. In addition, graduates will meet the academic requirements for licensure as a Professional Counselor (LPC) in Michigan.

Core Courses (36 hours)

- CED 610 - Career Counseling 3(3-0)
- CED 620 - Introduction to Multicultural Issues in Counseling 3(3-0)
- CED 630 - Ethics & Consultation in Counseling 3(3-0)
- CED 640 - Assessment in Counseling 3(3-0)
- CED 650 - Theories and Techniques of Group Counseling 3(3-0)
- CED 660 - Counseling Techniques 3(3-0)
- CED 665 - Personal and Professional Development Across the Lifespan 3(3-0)
- CED 677 - Counseling Theories 3(3-0)
- CED 690 - Counseling Practicum 1-6(Spec)
- CED 695 - Research in Counseling 3(3-0)
- CED 699 - Diagnosis & Treatment Planning in Counseling 3(3-0)

Additional Requirements (12 hours)

- CED 604 - Introduction to School Counseling 3(3-0)
- CED 615 - Postsecondary Planning for School Counselors 3(3-0)
- CED 645 - School Counseling Seminar 3(3-0)
- CED 651 - Counseling Children and Adolescents 3(3-0)

Electives (6 hours)

Select other CED courses, approved SPE courses, or approved transfer credits to bring credit hour total to at least 60.

Plan B Requirement (6 hours)

Satisfied by CED 691 (6 hours) and Comprehensive Examination.
CED 691 - Internship 1-6(Spec)

Total: 60 semester hours

Master of Arts (M.A.) in Special Education: The Master Teacher

Minimum Totals for Graduation: 33 hours

The Master of Arts in Special Education is designed for students who seek advanced study in special education. These programs are designed to provide training experiences leading to the development of those competencies specifically related to working with persons with disabilities in a variety of public education and community settings as a teacher or teacher consultant.

The Master Teacher

The Master of Arts Degree in Special Education: The Master Teacher is conceptualized as a degree designed specifically to build upon the strengths of certified educators. It is intended to expand their skills and knowledge base in order to prepare them to assume the role of what the Carnegie Institute refers to as "The Master Teacher."

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Note: This program is offered through CMU Online. Contact Global Campus for more information.

ADMISSION REQUIREMENT SNAPSHOT

GPA: 3.00

Entrance Exam: N/A

Application Deadline: At least 6 weeks before desired enrollment; 6-12 weeks for International students

See Admission Requirement Details Below

Beyond the standards of Graduate Studies admission, Special Education requires the following:

1. Prior to admission to a master's degree program, the candidate must have a bachelor's degree and a valid Michigan Elementary or Secondary Provisional, Permanent, or Life certificate or special education endorsement. If applicants do not meet this requirement, they should contact the EHS Center for Student Services (421 EHS Building, CMU, Mt. Pleasant, MI 48859, 989-774-3309).
2. Conditional Admission to the Master of Arts degree program in Special Education requires an undergraduate cumulative grade point average of 3.00. (Applicants below the required grade point average may appeal through the chairperson for exception.) Additionally, applicants are required to submit a current statement of purpose for pursuing the degree, and two letters of recommendation regarding the applicant's performance with Special Education populations.
3. After each applicant with Conditional Admission has completed 12 semester hours of graduate study on the program at Central Michigan University with a grade point average of 3.0 or higher, he or she may petition for reclassification for Regular Admission. The faculty will then determine whether Regular Admission will be granted. An Authorization of Degree Program form must be filed at this time by students granted Regular Admission.

Prerequisites:

Special Education endorsement **OR** the following courses within the last ten years.

SPE 126 - Introduction to Special Education 3(3-0)

SPE 550WI - Teaching Diverse Students in Educational Settings 3(3-0)

Retention and Termination Standards

These graduate programs lead to a Master of Arts degree in Special Education. The degree is based upon satisfactory completion of a minimum of 33 semester hours of graduate work and satisfactory demonstration of the competencies identified within the stated objectives and activities of the program.

Degree Requirements

Core Courses (15 hours)

SPE 600 - Current Issues and Historical Trends in Special Education 3(3-0)

SPE 679 - Behavioral and Curricular Interventions for Individuals with Mild Disabilities 3(3-0)

SPE 695 - Research for Special Education 3(3-0)

SPE 750 - Consultation and Collaboration in Special Education 3(3-0)

SPE 785 - Assessment and Program Improvement in Special Education 3(3-0)

Additional Requirements (15 hours)

Required classes to be selected in consultation with an advisor.

Plan B Requirement (3 hours)

SPE 790 - Special Education Graduate Capstone 3(3-0)

AND

Comprehensive Examination

Total: 33 semester hours

Graduate Endorsements in Special Education

For specific details and requirements, please visit the Counseling and Special Education webpage at: www.cse.cmich.edu.

Initial Endorsement Programs

Cognitive Impairment

Emotional Impairment

Additional Endorsement Programs

Autism Spectrum Disorder

Cognitive Impairment

Emotional Impairment

Learning Disabilities

Master of Science (M.S.) in Nutrition and Dietetics

Minimum Totals for Graduation: 31 - 37 hours

The M.S. in Nutrition and Dietetics is designed to provide advanced training in nutritional sciences for new and experienced professionals. Its objectives are to enhance the graduate's knowledge base and expertise in the continually advancing field of nutrition and clinical dietetics and to provide graduates with the quantitative and methodological knowledge necessary to better interpret the scientific literature and nutritional research.

The M.S. in Nutrition and Dietetics Program course work can be completed entirely through distance and distributed learning. The program utilizes web-based technology to provide course content.

This degree program has three options:

- Option I - Plan A Thesis Option;
- Option II - Plan B Internship Option;
- Option III - Plan C Course Work Option.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 3.0 (in the last 60 hours undergrad course work)

Entrance Exam: N/A

Internat'l Application Deadline: July 1 (Fall), Oct. 1 (Spring)

See Admission Requirement Details Below

1. An undergraduate grade point average of at least 3.0 (on a 4-point scale) in the last 60 semester hours of course work.
2. Successful completion of the requirements for dietetic registration by the Academy of Nutrition and Dietetics or fulfillment of the minimum academic requirements of the Didactic Program in Dietetics approved by the Academy of Nutrition and Dietetics's Commission on Accreditation/Approval for Dietetics Education or successful completion of at least: two courses in nutrition, one being at the advanced level; and one course in each of the following: anatomy/physiology; biochemistry; microbiology; and organic chemistry.
3. An essay (2-3 pages, double-spaced) including a discussion of the applicant's goals and how completion of the program will facilitate his or her achievement of those goals. A portion of this essay should focus upon the unique qualifications the student will bring to the degree program. In addition, the essay must include the student's choice of options (I, II, or III, see program course listing). Also the student will provide a generalized description of the subject matter of the thesis (Plan A) if Option I is chosen or for Options II or III a description of the significant scholarship (e.g. project, extensive paper) the student intends to perform to meet the requirements for Plan B. This essay replaces the written statement requested as part of the application to Graduate Studies at CMU.
4. Three (3) letters of recommendation from former professors or professionals in the field of nutrition and dietetics or other health-related professional.
5. Evidence of successful completion of an undergraduate statistics course is strongly recommended

6. Per University policy, conditional admission may be considered for applicants with backgrounds or grade point average deficiencies. Courses taken to make up admission deficiencies may not be counted toward graduate degree requirements. Regular admission status should be requested upon completion of all deficiencies.
7. Up to 15 semester hours of graduate credit may be transferred in from another institution with approval of advisor.
8. Up to a total of 15 credit hours can be applied to the MS in Nutrition and Dietetics Program through Credit by Examination or transfer of course credits from another accredited institution pending approval of coursework.
9. FNS 799 capstone coursework must be completed as the final course in the student's program and may not be taken if there is outstanding coursework, or in the same semester as other courses.

Options

Select one of the following plans:

Option I - Plan A: Thesis Option (31 hours)

FNS 661 - Macronutrients 3(3-0)
 FNS 662 - Micronutrients 3(3-0)
 FNS 670 - Seminar: Nutrition 1-3(Spec)
 FNS 672 - Advanced Clinical Nutrition 3(3-0)
 FNS 673 - Advanced Nutritional Assessment 3(3-0)
 FNS 677 - Nutritional Epidemiology 3(3-0)
 FNS 678 - Research Methods and Biostatistics 3(3-0)
 FNS 798 - Thesis in Nutrition and Dietetics 1-6(Spec)

Plus an oral exam on the thesis topic and 6 additional hours of electives selected with the approval of the student's academic advisor.

Note: FNS 670 and FNS 798 are variable credit courses. Students on this option are required to take 1 credit hour of 670 and 6 credit hours of 798.

Option II - Plan B: Internship Option (37 hours)

FNS 661 - Macronutrients 3(3-0)
 FNS 662 - Micronutrients 3(3-0)
 FNS 670 - Seminar: Nutrition 1-3(Spec)
 FNS 672 - Advanced Clinical Nutrition 3(3-0)
 FNS 673 - Advanced Nutritional Assessment 3(3-0)
 FNS 674 - Dietetic Internship: Clinical Experience 5(Spec)
 FNS 675 - Dietetic Internship: Foodservice Administration Experience 5(Spec)
 FNS 676 - Dietetic Internship: Summary Experience 2(Spec)
 FNS 677 - Nutritional Epidemiology 3(3-0)
 FNS 678 - Research Methods and Biostatistics 3(3-0)
 FNS 790 - Independent Study in Dietetics 2-6(Spec)

Plus oral examination over course work and 3 additional hours of electives selected with the approval of the student's academic advisor.

Note: FNS 670 and FNS 790 are variable credit courses. Students on this option are required to take 1 credit hour of FNS 670 and 3 credit hours of FNS 790

In some cases, twelve credits may be earned through examination to substitute for the dietetic internship experience. Students must be eligible and must pass the examination to earn the twelve credits. Contact the Department of Human Environmental Studies for the policy on Credit by Examination for Dietetic Internship Experience.

Option III - Plan C: Course Work Option (33 hours)

FNS 661 - Macronutrients 3(3-0)
FNS 662 - Micronutrients 3(3-0)
FNS 670 - Seminar: Nutrition 1-3(Spec)
FNS 672 - Advanced Clinical Nutrition 3(3-0)
FNS 673 - Advanced Nutritional Assessment 3(3-0)
FNS 677 - Nutritional Epidemiology 3(3-0)
FNS 678 - Research Methods and Biostatistics 3(3-0)
FNS 790 - Independent Study in Dietetics 2-6(Spec)

Plus oral examination over course work and 9 additional hours of electives selected with the approval of the student's academic advisor.

Note: FNS 670 and FNS 790 are variable credit courses. Students in this program MUST enroll in FNS 670 three times (1 hour each) under different subject themes. For FNS 790, students are required to take 3 credit hours.

Total: 31-37 semester hours

Graduate Certificate in Nutrition and Dietetics

Note: As of Spring, 2018, this program is on hiatus. Contact the Department of Human Environmental Studies for more information.

The Graduate Certificate in Nutrition and Dietetics is designed to provide advanced training in clinical nutrition for new and experienced professionals. Its objectives are to enhance the graduate's knowledge base and expertise in the continually advancing field of nutrition and clinical dietetics, to provide graduates with the knowledge necessary to better interpret the scientific literature in nutrition, and incorporate nutritional constructs into their professional practice. The Certificate in Nutrition and Dietetics Program course work can be completed entirely through distance and distributed learning.

The program utilizes web-based technology to provide course content.

Minimum Totals for Graduation: 16 hours

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Successful completion of a baccalaureate degree from an accredited institution, in which at least one course in each of the following was completed: basic nutrition, biochemistry; physiology and statistics.

A 3.0 minimum GPA is required in undergraduate and/or post baccalaureate course work for admission to the program.

Professional status in any health or scientific profession with advanced training. Must submit registration, certification, licensure, or other documentation of professional competency.

Core Courses (15 hours)

Select 5 courses from the following:
FNS 661 - Macronutrients 3(3-0)
FNS 662 - Micronutrients 3(3-0)
FNS 671 - Advanced Topics in Nutrition: Geriatrics 3(3-0)
FNS 672 - Advanced Clinical Nutrition 3(3-0)
FNS 673 - Advanced Nutritional Assessment 3(3-0)
FNS 677 - Nutritional Epidemiology 3(3-0)
FNS 678 - Research Methods and Biostatistics 3(3-0)
FNS 679 - Advanced Topics in Nutrition: Obesity 3(3-0)

Required Course (1 hour)

FNS 670 - Seminar: Nutrition 1-3(Spec)

Total: 16 semester hours

Master of Business Administration (M.B.A.)

Minimum Totals for Graduation: 30-48 hours

The MBA program's mission is to prepare graduate business students for leadership positions in today's global economy. The program features an active student learning environment with a curriculum that meets the needs of both part-time and full-time students all over the world. Accredited by AACSB International - The Association to Advance Collegiate Schools of Business, the program is designed to meet the needs of three groups of people:

1. individuals whose business careers have focused on specialized areas and who seek to develop a more general management perspective in anticipation of further advancement;
2. individuals with previous education and work experience in areas other than business who seek a general business education that will allow them to move into management positions; and
3. individuals with limited work experience who plan to use the MBA as a foundation from which to begin their careers.

This program is approved for online delivery for the emphases in Information Systems, Logistics Management, Value-Driven Organization, Marketing, and Human Resource Management.

The College of Business Administration offers the online program for working professionals who seek career-enhancing education but are not able to take classes in Mt. Pleasant. This online MBA is equivalent to our traditional MBA in that it has rigorous coursework from an AACSB International - The Association to Advance Collegiate Schools of Business - accredited business school.

In existence for over 40 years, the curriculum receives constant review to keep pace with emerging business trends. The graduate business faculty are not only well educated but also have substantial business experience. The faculty are committed to a program that emphasizes:

1. integration of the functional core areas of business;
2. providing the perspective required to manage in a global world;
3. awareness of ethical issues and standards and their influence on business decisions;
4. ability to work in teams through group projects and collaborative learning;
5. enhancement of oral and written communication skills integrating the most current technology;
6. application of theory and concepts to the solution of business problems through the use of cases, business exports, consulting projects, simulations and the study of real world business practice;
7. integration of business concepts in an applied project.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: See below Entrance Exam: GMAT (see details below)
 Internat'l Application Deadline: March 15 (Fall), November 15 (Spring)
See Admission Requirement Details Below

Admission Requirements

Minimum GPA: 2.7; Minimum GMAT: 450.

To be considered for admission to the MBA program, an applicant must first be admitted to Graduate Studies. The application should be submitted online at least six weeks prior to the beginning of the first semester of anticipated enrollment in classes.

GMAT requirements will be waived for applicants who meet one of the following conditions:

1. Applicants with a Doctorate Degree obtained from U.S. universities.
2. Applicants with a Masters' Degree obtained from U.S. universities with an overall GPA of 3.0.
3. Applicants with an undergraduate degree with no work experience: Degree obtained from U.S. universities with an overall GPA of 3.0.
4. Applicants with an undergraduate degree with no work experience: Degree obtained from U.S. universities with an overall GPA of 3.25 for the last 60 provided the overall undergraduate GPA is at least 2.7.
5. Applicants with an undergraduate degree with five (5) years professional work experience: Degree obtained from U.S. universities with an overall GPA of 2.9.
6. Applicants with an undergraduate degree with five (5) years professional work experience: Degrees obtained from U.S. Universities with an overall GPA of 3.0 for the last 60 hours, provided the overall undergraduate GPA is at least 2.7.

GMAT will not be waived for applicants who earned their academic degree from foreign universities:

1. Applicants who have all their academic degrees from foreign universities.
2. Applicants who only have a bachelor's degree and that degree is granted by a foreign university.

Regular Admission. To be granted regular admission to the Master of Business Administration program, an applicant must meet the university requirements for admission to Graduate Studies; if necessary, possess an acceptable GMAT score; meet the minimum GPA, and have successfully completed the prerequisite courses or equivalent. Applicants who need to complete the prerequisite courses may be granted non-degree admission only.

Conditional Admission. Applicants who have satisfied the GMAT requirement (if necessary), but are lacking only prerequisites are allowed to enroll in a maximum of 12 credit hours of MBA degree requirements while completing prerequisite requirements.

Any exceptions to the above admission requirements must be approved by the Graduate Studies Committee of the College of Business Administration.

Degree Requirements I (0-18 hours)

Foundation Courses (Prerequisites)

Applicants must present evidence of a working knowledge of advanced business applications in spreadsheet, database, and presentation graphics.

In addition, the following courses or equivalents may be completed before or after admission to the MBA program.

- MBA 503 - Professional Business Communications 2(2-0)
- MBA 504 - Using Financial Accounting Information 2(2-0)
- MBA 505 - The Economic Environment of Business 2(2-0)
- MBA 506 - Legal Environment of Business 2(2-0)
- MBA 507 - Introduction to Marketing Management 2(2-0)
- MBA 508 - Management and Organization 2(2-0)
- MBA 509 - Production/Operations Management 2(2-0)
- MBA 510 - Financial Management and Analysis 2(2-0)
- MBA 511 - Statistics for Managerial Decisions 2(2-0)

Degree Requirements II (27 hours)*MBA Program Core Courses*

MBA 610 - Managing Information Systems in a Global Economy 3(3-0)
MBA 620 - Managerial Accounting: A Management Perspective 3(3-0)
MBA 630 - Managing and Leading Individuals and Groups in Organizations 3(3-0)
MBA 640 - Data Analysis for Managers 3(3-0)
MBA 650 - Marketing-Based Management 3(3-0)
MBA 660 - Global Business and Sustainability 3(3-0)
MBA 670 - Financial Analysis and Risk Management 3(3-0)
MBA 680 - Global Economic Environment 3(3-0)
MBA 690 - Strategic Management: Integrative Experience 3(3-0)

Plan B Requirement. The Plan B requirement is fulfilled through successful completion of MBA 690.

Degree Requirements III (8-16 hours)*Areas of Emphases*

Select one of the following areas, to be approved by a graduate advisor:

- Information Systems
- Value-Driven Organization
- Logistics Management (currently offered only online)
- Marketing
- Human Resource Management

Minimum 35-43 Total Hours for MBA Degree

(35-61 hours, with prerequisites)

Graduate Certificate in Enterprise Systems (SAP)

Minimum Totals for Graduation: 16 hours**ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS**

The Graduate Certificate in Enterprise Systems is designed for regularly admitted graduate students who desire to acquire advanced knowledge and skills in the enterprise software, SAP. If admission requirements to the MBA program are met and the MBA core courses are taken by the students, credits successfully earned with this certificate program may be used towards the MIS (SAP emphasis) concentration in the MBA program. Students will not be allowed to use the same course for two different concentrations. To be considered for regular admission, an applicant must have:

1. Admission into the graduate college.
2. Computer literacy as demonstrated by BIS 104 or CPS 100 or equivalent.

Required Courses (13 hours)

BIS 647 - Enterprise Systems for Management using SAP Software 3(3-0)
BIS 656 - Business Intelligence using SAP Software 3(3-0)
BIS 658 - Configuration & Implementation for Global Systems using SAP Software 3(3-0)
BUS 698 - Integration of Business Processes for Management using SAP Software 4(Spec)

Electives (3 hours)

BIS 657 - ABAP Programming for ES 3(3-0)
BUS 697 - Special Topics in Business 1-12(Spec)

Total: 16 semester hours

Note: Students will take BIS 647 as their first course, then BIS 658. The third course in this sequence is BUS 698. BIS 656, BIS 657, and BUS 697 may be taken in any sequence.

Graduate Certificate in Cybersecurity

Minimum Totals for Graduation: 15 hours

This is a standalone certificate in the Department of Business Information Systems in College of Business Administration. At the current time, this certificate is offered through Global Campus only.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

The Graduate Certificate in Cybersecurity is designed for regularly admitted graduate students who meet graduate school admissions requirements who desire to acquire advanced knowledge and skills in cybersecurity.

To be considered for regular admissions, an applicant must have:

1. A bachelor's degree with a cumulative GPA of 2.7 from an accredited institution.
2. Computer network literacy as demonstrated by prerequisite coursework or professional certifications in computer networking or cybersecurity.

See an advisor for more information.

Required Courses (15 hours)

Students will take BIS 510 as the first course, followed by BIS 521, 523, and 525 (which may be taken in any order). The culminating course is BIS 530.

BIS 510 - Network & Systems Security Fundamentals 3(3-0)
 BIS 521 - Governance, Risk, & Compliance in Cybersecurity 3(3-0)
 BIS 523 - Cybercrime Forensics 3(3-0)
 BIS 525 - Managing Security & Privacy in the Cloud 3(3-0)
 BIS 530 - Cybersecurity, Systems, and Network Certification 3(3-0)

Total: 15 semester hours

Master of Entrepreneurial Transactions (M.E.T.)

Minimum Totals for Graduation: 36 hours

The Master of Entrepreneurial Transactions program prepares students to add value to high growth ventures. Students will learn how to: organize and finance new ventures; form and motivate entrepreneurial teams; identify and protect inventions, brands and other forms of intellectual property; manage growth and risks; and harvest economic gains (e.g., by selling what they helped build).

This program is ideal for students who would like to launch their own venture while earning a relevant and rigorous Master degree. Full-time students should be able to complete the program in one year. Candidates may include recent college graduates as well as professionals who would like to give their entrepreneurial dreams a shot while mastering complex transactions that involve entrepreneurship, law and finance.

Upon graduation, many students will likely continue to run and grow the ventures they launched during their studies. However, some graduates may pursue roles at other emerging ventures, careers in entrepreneurial finance, or positions at traditional firms that value the transferable knowledge and skills that will be acquired.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Candidates must meet the requirements for admission to Graduate Studies. Candidates must also submit a 1-page Summary of Entrepreneurial Goals directly to the Entrepreneurship Department. The Summary of Entrepreneurial Goals should describe why the candidate is interested in the Master of Entrepreneurial Transactions program.

Required Courses (36 hours)

ENT 600 - Business Foundations for Entrepreneurs 3(3-0)
 ENT 605 - Foundations of Entrepreneurship 3(3-0)
 ENT 620 - New Venture Formation & Governance 3(3-0)
 ENT 625 - New Venture Hires, Filings & Reports 3(3-0)
 ENT 630 - Seed Financings & Securities Regulation 3(3-0)
 ENT 640 - Intellectual Property for Entrepreneurs 3(3-0)
 ENT 650 - Crowdfunding 3(3-0)
 ENT 660 - Technology for Entrepreneurs 3(3-0)
 ENT 670 - Venture Capital 3(3-0)
 ENT 680 - Growth & Risks at Emerging Ventures 3(3-0)
 ENT 690 - Entrepreneurial Acquisitions & Exits 3(3-0)
 ENT 695 - Entrepreneurial Transactions Capstone 3(3-0)

Total: 36 semester hours

Master of Science (M.S.) in Information Systems

Emil Boasson, Director of MSIS Program

322 Grawn Hall; 989-774-3588

Minimum Totals for Graduation: 36 hours

The Program

The mission of the Master of Science in Information Systems Program (MSIS) is to prepare students to be effective information systems professionals. Graduates from the program will be able to:

- Demonstrate the ability to collaboratively develop information systems to solve business problems.
- Demonstrate the ability to provide accurate information to key stakeholders.
- Demonstrate competency in core business knowledge.
- Demonstrate effective business writing and oral communication skills.

Degree Requirements:

Students are required to complete a minimum of 36 graduate credits and pass a comprehensive examination.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

GPA: 2.7 (or 3.0 in the last two years of study)

Application Deadline: See below.

See Admission Requirement Details Below

Admission is valid only for the semester stated in Letter of Admission or Certificate of Admission.

Placement Exam

All entering MSIS students are required to take a placement examination. Results from the exam are used to help design an initial course work curriculum. The exam tests a student's fundamental knowledge in computer literacy and business processes.

A student who passes the exam may register for courses immediately. A student who does not pass a component(s) of the exam may be required to take one or two foundation course(s) as determined by the director of the MSIS Program. Foundation courses are in addition to the regular courses required for the MSIS degree.

Admissions Process and Deadlines for Master of Science in Information Systems

Who may apply	Application Due Date*	Decision Notification
<i>Fall Admission, classes begin late August:</i>		
All Applicants	June 15*	July 15
<i>Spring Admission, classes begin January:</i>		
All Applicants	October 15*	November 15

*Completed Applications Only

The admissions committee reviews completed applications according to the preceding schedule. Therefore, it is prudent to apply early. International applicants are encouraged to apply even earlier as visa process usually takes time.

Degree Requirements

Required Courses (18 hours)

- BIS 601 - Information Systems 3(3-0)
- BIS 605 - Communication in Professional Contexts 3(3-0)
- BIS 628 - Application Development 3(3-0)
- BIS 636 - Systems Analysis and Design 3(3-0)
- BIS 638 - Database Management for Business Systems 3(3-0)
- BUS 501 - Project Management Fundamentals 3(3-0)

MSIS Program Tracks (9 hours)

A planned course of study in one of the following tracks approved by the graduate advisor. Students selecting a track must complete the required nine hours in that track.

Enterprise Systems using SAP Software Track (9 hours)

- BIS 647 - Enterprise Systems for Management Using SAP Software 3(3-0)
- BIS 657 - ABAP Programming for ES 3(3-0)
- BIS 658 - Enterprise System Configuration Using SAP Software 3(3-0)

Cybersecurity Track (9 hours)

Required Course I (3 hours)

- BIS 510 - Network & Systems Security Fundamentals 3(3-0)

Required Courses II (6 hours)

Select two of the following:

- BIS 521 - Governance, Risk, & Compliance in Cybersecurity 3(3-0)
- BIS 523 - Cybercrime Forensics 3(3-0)
- BIS 525 - Managing Security & Privacy in the Cloud 3(3-0)

Project Management Track (9 hours)

- BUS 503 - Business Process Improvement 3(3-0)
- BUS 505 - Application of Project Management Principles 3(3-0)
- BUS 507 - Advanced Project Management Methodologies 3(3-0)

Electives (6 hours)

Six hours of graduate-level elective courses are required for the completion of the MSIS program. These courses must come from BIS, BUS, or other College of Business Administration graduate-level courses approved by the graduate advisor.

Plan B Requirement (3 hours)

Plan B Requirement is met by the successful completion of BIS 698 and by passing the comprehensive examination. The comprehensive exam is taken in a student's final semester and covers material from the core MSIS program courses. If the exam is not passed the first time, it can be retaken once.

BIS 698 - Information Systems Project 3(3-0)

Total: 36 credit hours

Master of Arts (M.A.)

in Humanities

Minimum Totals for Graduation: 30 hours

Susan A. Schiller, Ph.D., Director
032 Anspach Hall, 989-774-3681

The Master of Arts in Humanities is a degree designed for generalists, for those more interested in synthesis than specialization. It provides an integrated study of the humanities in a cross-disciplinary format. Because the various areas of the humanities are naturally interrelated, this format emphasizes connection rather than fragmentation. The courses for the 30-semester hour program are generally selected from such traditional areas of the humanities as history, English, philosophy, religion, art, music, and broadcast and cinematic arts; they may, however, also include such areas as women's studies, political science, sociology, anthropology, and theatre.

The program is flexible enough to meet the needs of a great variety of students. It is an appropriate degree choice for students seeking a graduate degree which offers educational development, personal development, or a focus on interdisciplinary knowledge.

Note: Some courses listed are not offered on a regular basis and some courses may only be offered by Global Campus. Several courses are available in an online format.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Admission Requirement Snapshot

GPA: 2.7

Entrance Exam: N/A

Internat'l Application Deadline: July 1 (Fall), Oct. 1 (spring)

See Admission Requirement Details Below

Admission requirements are the same as those for admission to Graduate Studies at CMU (baccalaureate degree and overall GPA of 2.7) and a minimum of 20 hours of coursework in areas of the Humanities (history, English, philosophy, etc.) with GPA of 2.7.

Requirements I (24 hours)

A minimum of 24 hours of graduate credit in the Humanities, selected in consultation with advisor, including:

- History Requirements (6-9 hours)
- English Requirements (6-9 hours)
- Other Requirements (12-18 hours)

These are selected from the following areas with approval from the advisor:

Art
Music (non-studio/non-performance)
Religion
Philosophy
Broadcast and Cinematic Arts
Political Science
Sociology
Anthropology
Theatre (non-performance courses)

See Structure (Core Courses) below.

Note: A minimum of 15 hours of the above courses must be in courses numbered 600 or above.

Requirements II (6 hours)

Select one of the following plans:

Plan A (6 hours)

Thesis with oral defense.
HUM 799 - Thesis 1-6(Spec)

Plan B (6 hours)

6 hours of additional coursework approved by the advisor, plus a scholarly paper.

Total: 30 semester hours

Structure (Core Courses)

In order to ensure both coherence and the advantage of complementary disciplinary approaches in the program of studies, each student's coursework must be approved in advance by a faculty advisor. Coursework leading to the degree will be organized around a core (15-18 hours) of courses that are based on topics and themes or on the individual student's interests and goals.

The following is a list of representative topics that have been approved by the M.A. in Humanities Council. Approved topics or themes include:

- I. The Rise of Industrial Society
- II. Images and Ideas of Self
- III. Contemporary Issues in the Humanities: Race, Class and Gender
- IV. Popular Culture Studies
- V. Native American Issues in Modern Culture
- VI. Global and Cultural Studies

Alternative topics or themes to those listed above may be proposed by the student as well, and/or a student may also choose a "broad" approach that is not based on a single topic or theme.

Master of Public Administration (M.P.A.)

Minimum Totals for Graduation: 37 hours

Program Director: Dr. Thomas Greitens, 989-774-3862; greit1t@cmich.edu

Vision Statement

The Master of Public Administration (MPA) program at Central Michigan University offers a nationally accredited applied professional degree that seeks to be an internationally recognized program for enriching public service and educating practitioners and pre-service students to lead and manage in a variety of public sector settings.

Mission Statement

The mission of the Master of Public Administration program at Central Michigan University is to provide practitioners and pre-service students enriching learning experiences that prepare and advance their intellectual growth, ensure effective and accountable decision-making as they lead, manage, and serve in the public sector, and increase the likelihood of successful public governance via respect for citizens and clients in a variety of public service settings, from government organizations to non-profit agencies and international bodies.

Public Service Values

To achieve our mission and realize our vision, the MPA program at Central Michigan University emphasizes the following NASPAA public service values.

Students and alumni from the MPA program at Central Michigan University will:

- Pursue the public interest with accountability and transparency.
- Serve professionally with competence, efficiency, and objectivity.
- Act ethically so as to uphold the public trust.
- Demonstrate respect, equity, and fairness to dealings with citizens and fellow public servants.

Universal Competencies

To implement its Vision and Mission statements, the MPA program at Central Michigan University has adopted the following set of NASPAA required competencies in its curriculum.

Students in the MPA program at Central Michigan University will develop and enhance their ability:

- To lead and manage in public governance.
- To participate in and contribute to the policy process.
- To analyze, synthesize, think critically, solve problems, and make decisions.
- To articulate and apply a public service perspective.
- To communicate and interact productively with a diverse and changing workforce and citizenry.

Program Requirements

The requirements for the MPA degree consist of 37 hours of course work. First, completion of a set of nine core courses presents an understanding of essential components of the discipline. Then, with the approval of an advisor, the student creates a degree emphasis in one of two ways:

- a. by selecting a specific concentration in either Nonprofit Management or State and Local Government; or
- b. by selecting a set of generalized courses with the General Concentration.

Advisors may make substitutions to the course requirements to fit the student's focus and the availability of course work. However, students can only take up to 6 hours of credit at the 500 level, and for the entire program students can only take 9 hours of credit outside of PSC or PAD.

The pre-service student will also complete an internship of 3 hours (PAD 795) in place of an elective course.

Before enrollment in PAD 730 Public Service Competencies, students will consult with their advisor to determine the date(s) of their public service competency assessment.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

Admission Requirement Snapshot

GPA: 2.8	Entrance Exam: N/A
Internat'l Application Deadline: July 1 (Fall), Oct. 1 (Spring)	
See Admission Requirement Details Below	

MPA Admission Requirements include the following:

1. An undergraduate grade point average of at least 2.8 (on a 4.0 point scale).
2. Evidence of successful completion of an undergraduate statistics or research methods course is required.
3. An essay (two or three pages, double-spaced) including a discussion of the applicant's professional goals and how completion of the program will facilitate his or her achievement of those goals. This essay replaces the written statement requested as part of the application to the Graduate Studies at CMU.
4. Three letters of recommendation from former professors, professionals in the field of public service, or alumni of the MPA program, that attest to the applicant's potential to succeed in the program.
5. A current resume.
6. If the applicant is an international student for whom English is not the first language, a score of 550 on the written-based (or 213 on the computer-based) Test of English as a Foreign Language (TOEFL).
7. Per university policy, conditional admission may be considered for applicants with backgrounds or grade point averages that do not meet these requirements. Courses taken to meet these requirements may not be counted toward graduate degree requirements. Regular admission status should be requested upon completion of all conditional requirements.
8. Up to 9 semester hours of graduate credit may be transferred from another institution with approval of the advisor and the Vice President/Dean of the Office of Research and Graduate Studies.

Required Courses I (24 hours)

PAD 610 - Foundations of Public Administration 3(3-0)
 PAD 623 - Public Policy Processes and Evaluation 3(3-0)
 PAD 711 - Public Personnel Administration Practice 3(3-0)
 PAD 713 - Public Budgeting and Finance 3(3-0)
 PAD 714 - Program Analysis and Evaluation 3(3-0)
 PAD 773 - Administration and Ethics in Public Service 3(3-0)
 PAD 775 - Organization Theory and Behavior 3(3-0)
 PAD 780 - Public Sector Research Methods 3(3-0)

Required Courses II (0-3 hours)

PAD 795 - Internship in Public Administration 1-6(Spec)

Note: In-service students with experience are not required to take an internship (PAD 795). Students without experience will take 3 hours of internship, reducing their number of elective courses by 1 course, or 3 credit hours.

Required Courses III (1 hour)

PAD 730 - Public Service Competencies 1(Spec)

Note: After the successful completion of the core curriculum (excluding any internship requirement for pre-service students), students are required to register for PAD 730. Students must inform their advisor before the start of the semester of their intentions to take the Public Service Competencies Assessment.

Concentrations

Select one of the following concentrations:

General Concentration**Required Courses IV (3 hours)**

PAD 785 - Strategic Leadership 3(3-0)

Electives (6-9 hours)

Courses from among any of the following chosen in consultation with an advisor:

PAD 523 - Fundamentals of Grant Writing and Management 3(3-0)

PAD 585 - Public Sector Information Technology Management 3(3-0)

PAD 620 - Nonprofit Management 3(3-0)

PAD 621 - Board Governance and Executive Leadership 3(3-0)

PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)

PAD 655 - Managing Modern Local Government 3(3-0)

PAD 661 - Administration and Policy in American State Government 3(3-0)

PAD 712 - Implementation and Reform of Public Programs 3(3-0)

PAD 796 - Applied Research in Public Administration 3(3-0)

PSC 513 - Citizen Engagement in Public Life 3(3-0)

PSC 563 - Politics and Policy in Urban Communities 3(3-0)

PSC 566 - Intergovernmental Relations in the United States 3(3-0)

PSC 790 - Advanced Readings I 1-6(Spec)

Total: 37 semester hours

Nonprofit Management Concentration**Required Courses IV (9 hours)**

PAD 620 - Nonprofit Management 3(3-0)

PAD 621 - Board Governance and Executive Leadership 3(3-0)

PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)

Restricted Electives (0-3 hours)

PAD 523 - Fundamentals of Grant Writing and Management 3(3-0)

PAD 585 - Public Sector Information Technology Management 3(3-0)

PAD 712 - Implementation and Reform of Public Programs 3(3-0)

PAD 796 - Applied Research in Public Administration 3(3-0)

PSC 513 - Citizen Engagement in Public Life 3(3-0)

PSC 790 - Advanced Readings I 1-6(Spec)

Note: In the Nonprofit Management Concentration, students are allowed to select three additional hours of electives. For pre-service students, the required internship substitutes for the elective course.

Total: 37 semester hours

State and Local Government Concentration**Required Courses IV (6 hours)**

PAD 655 - Managing Modern Local Government 3(3-0)

PAD 661 - Administration and Policy in American State Government 3(3-0)

Restricted Electives (3-6 hours)

Select courses from among any of the following, chosen in consultation with an advisor:

PAD 585 - Public Sector Information Technology Management 3(3-0)

PAD 712 - Implementation and Reform of Public Programs 3(3-0)

PAD 785 - Strategic Leadership 3(3-0)

PAD 796 - Applied Research in Public Administration 3(3-0)

PSC 513 - Citizen Engagement in Public Life 3(3-0)

PSC 563 - Politics and Policy in Urban Communities 3(3-0)

PSC 566 - Intergovernmental Relations in the United States 3(3-0)

PSC 790 - Advanced Readings I 1-6(Spec)

Total: 37 semester hours

Program Requirements

All Master of Science in Administration degree students are required to take six core courses: MSA 600, MSA 601, MSA 602, MSA 603, MSA 604, and MSA 698 or 699.

To qualify for graduation, candidates for the Master of Science in Administration degree or Graduate Certificates must meet all of the requirements found in the Academic Information "Degree Requirements" section of the Graduate Bulletin and the following requirements (<https://bulletins.cmich.edu/2017/gr/administrative/academic/graduation.asp>) for the Graduate Bulletin or <https://bulletins.cmich.edu/2017/cel/academic/graduation.asp> for the Global Campus Bulletin:

1. Earned a minimum of 36 semester hours of acceptable graduate credit (15-18 semester hours of which must be in the area of concentration).
2. Earned a minimum of 18 semester hours from Central Michigan University.
3. Submitted evidence of scholarship by meeting the Plan B paper requirement by completing the integrating experience (MSA 699 or 698). This includes all Institutional Review Board (IRB) or Research Review Application Process requirements.
4. Successfully completed these required courses: MSA 600, MSA 601, MSA 602, MSA 603, MSA 604, and MSA 699 or 698.
5. Applied no more than 15 semester hours of College of Business Administration courses on the program plan. College of Business Administration courses are:
 - a. Courses carrying designators ACC, BIS, BLR, BUS, FIN, HSA, MGT and MKT.
 - b. MSA 601, MSA 602 or MSA 634 or MSA 635, and MSA 660.
 - c. Prior learning assessment credits identified as having business school content.
 - d. Courses transferred from a school of business or management which would be considered College of Business Administration courses at CMU.
6. Have an approved program plan on file.
7. Completed all requirements for the degree within seven years of the awarding of the master's degree.

In addition:

- a. MSA Certificate programs may not use more than 12 credits in College of Business Administration courses;
- b. MSA Certificate programs must be completed within seven years prior to the awarding of the graduate certificate;
- c. business courses taken on any certificate program will not apply to any business degree at CMU; and
- d. courses with MSA designators may not be used toward an MBA degree at CMU and CMU courses with MBA designators may not be used toward the MSA degree.

ACCELERATED MASTER OF SCIENCE IN ADMINISTRATION

(Currently enrolled CMU Undergraduate students only)

Undergraduate students majoring in the following Global Campus majors: Integrated Leadership Studies, Community Development, or Administration, or any main campus major with the approval of the Registrar's Office may pursue a Master of Science in Administration degree in any selected concentration, while fulfilling the final year requirements for their Bachelor's degree. The Accelerated Master of Science in Administration program allows students to reduce the total number of credits to complete their undergraduate degree and graduate level degrees by applying up to 12 credits toward the graduation requirements on both degree programs.

Admission Criteria

To be eligible for the Accelerated Master of Science in Administration program, the student must have:

- A. An overall cumulative undergraduate grade point average (GPA) of at least 3.0 including all General Education requirements (including transfer and AP credits), the semester that they apply for admission to the Accelerated MSA program. This includes all forms of credit to include transfer credit from another institution.
- B. CMU undergraduate grade point average (GPA) of at least 3.0 the semester that they apply for admission to the Accelerated MSA program
- C. Minimum of 86 credit hours toward a Bachelor's degree with no less than 18 remaining credit hours to complete the undergraduate degree.

During the final academic year, students will complete 12 credits of MSA coursework that will be the final courses taken and counted toward both the undergraduate and graduate degrees. The student must earn a minimum of a 3.0 GPA or higher in each course below. If the student does not earn a 3.0 GPA or higher in each course that is intended to be applied to the graduate degree, the student will be dematriculated from the accelerated program and the MSA courses taken in the accelerated MSA program can only be used on the student's undergraduate program. The student may apply for regular admission to the MSA program and will need to retake or replace the previous credits. The following courses are used for dual counting for the Bachelor's degree and the Accelerated MSA Program:

First Semester

MSA 601 – Organizational Dynamics and Human Behavior 3(3-0)
MSA 604 – Administration, Globalization and Multiculturalism 3(3-0)

Second Semester

MSA 600 – Foundations of Research Methods in Administration 3(3-0)
MSA 603 – Strategic Planning for the Administrator 3(3-0)

Note: Early undergraduate advising required.

***Student appeals for concurrent admission into the Accelerated MSA Program are submitted to and reviewed by the MSA department.**

MSA Degree Requirements

Concentrations

Select one of the following concentrations (**Note:** not all concentrations are available at all CMU program centers. Check the center's schedule for course availability):

Acquisitions Administration

The Acquisitions Administration concentration prepares administrators with a focus on acquisitions by providing a knowledge base in purchasing, regulatory concepts and related factors in acquisitions administration. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

- MSA 600 - Foundations of Research Methods in Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

- MSA 698 - Directed Administrative Portfolio 3(3-0)
- MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (6 hours)

- MGT 533 - Purchasing Strategy 3(3-0)
- MSA 611 - Contract Administration 3(3-0)

Electives (9-12 hours)

Select three or four of the following:

- IET 500 - Production Concepts 3(3-0)
- IET 527 - Industrial Safety Management 3(3-0)
- MGT 542 - Inventory and Materials Management 3(3-0)
- MGT 543 - Management and Control of Quality 3(3-0)
- MSA 504 - Strategies and Proposals in Government Acquisitions 3(3-0)
- MSA 540 - Legal Considerations of Contract Administration 3(3-0)
- PAD 712 - Implementation and Reform of Public Programs 3(3-0)
- PAD 714 - Program Analysis and Evaluation 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 634 - Managerial Accounting Concepts 3(3-0)
- MSA 635 - Financial Management 3(3-0)
- MSA 640 - Quantitative Applications in Decision Making 3(3-0)
- MSA 660 - Marketing Administration 3(3-0)
- MSA 681 - Administrative Practicum 1-3(Spec)
- MSA 690 - Internship 1-3(Spec)
- MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Engineering Management

The purpose of the concentration is to provide a program of study for the students who intend to pursue a career in this field or for engineers who have the need to acquire managerial skills. Students will gain the knowledge needed to manage industrial, engineering, high tech and "green" energy organizations. The concentration combines the analysis and integration of theory, principles, and research in technology, industrial and engineering management with administrative science.

Required Core I (15 hours)

- MSA 600 - Foundations of Research Methods in Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

- MSA 698 - Directed Administrative Portfolio 3(3-0)
- MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (18 hours)

- IET 500 - Production Concepts 3(3-0)
- IET 501 - Application of Industrial Management Principles 3(3-0)
- IET 524 - Technology and Environment 3(3-0)
- IET 650 - Project Management 3(3-0)
- IET 670 - Lean Manufacturing & Six Sigma Quality 3(3-0)
- IET 680 - Sustainability and Green Technology 3(3-0)

Total: 36 semester hours

General Administration

Statement of Purpose for the Concentration

The General Administration concentration is designed to serve the needs of a very heterogeneous group of students. The intent is to offer a program of study which provides moderate structure through study in areas that are applicable to a wide variety of administrative settings. In addition, the student is afforded considerable flexibility in designing a program of study which avoids duplication of previous course work, training, or experience by allowing additional study in areas of choice.

Required Core I (15 hours)

- MSA 600 - Foundations of Research Methods in Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

- MSA 698 - Directed Administrative Portfolio 3(3-0)
- MSA 699 - Applied Research Project in Administration 3(Spec)

General Administration Concentration Areas (15-18 hours)

Guide to Choosing Courses

Students are encouraged to complete courses listed within a broad range of categories. Students may substitute up to six (6) credits of courses on this concentration providing the courses are consistent with one or more of the categories listed below. The use of the substitutes must be recommended by the advisor and approved by the MSA Director.

Concentration Courses I

Information Systems and Analysis

The integration of computer and production systems into administrative decision making.

- BIS 601 - Information Systems 3(3-0)
- CPS 603 - Computer Information Systems 3(3-0)
- IET 500 - Production Concepts 3(3-0)
- MKT 555 - Market and Sales Forecasting 3(3-0)
- MSA 640 - Quantitative Applications in Decision Making 3(3-0)

Concentration Courses II

International Systems, Issues, and Problems

The study of systems, issues, and problems that impact upon dynamic organizations operating within a global environment.

- COM 667 - Seminar in Intercultural Communication 3(3-0)
- FIN 573 - International Finance 3(3-0)
- MGT 667 - International Business 3(3-0)
- MKT 560 - International Marketing 3(3-0)
- MSA 510 - Global Leadership Perspectives 3(3-0)
- MSA 618 - International and Comparative Employment Relations 3(3-0)
- PSC 555 - International Law I 3(3-0)

Concentration Courses III

Legal and Political Systems

The nature of legal and political systems and how they impact the operation of organizations and individual decision making.

- ECO 515 - Collective Bargaining and Labor Law 3(3-0)
- MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)

Concentration Courses IV

Organizational Behavior/Human Resources Administration

The study of individuals within the work organization and the systems and processes that affect their behavior.

- CED 555 - Human Relations Skills 3(3-0)
- COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
- MGT 643 - Human Resource Management 3(3-0)
- MGT 646 - Labor Relations Issues 3(3-0)
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)
- MSA 503 - Gender and Generational Supervision 3(3-0)
- MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)
- MSA 608 - Succession Planning 3(3-0)
- MSA 647 - People and Project Administration 3(3-0)
- PAD 711 - Public Personnel Management 3(3-0)
- PAD 785 - Strategic Leadership 3(3-0)
- PSY 535 - Organizational Psychology 3(3-0)

Concentration Courses V

Organizational Communications

Improving communication of individuals and groups within and between organizations.

- COM 560 - Communication and Social/Organizational Change 3(3-0)
- COM 561 - Communication in Conflict Management 3(3-0)
- COM 667 - Seminar in Intercultural Communication 3(3-0)
- EDL 610 - Grants and Fund Procurement 3(3-0)
- JRN 670 - Public Relations Management 3(3-0)
- MKT 555 - Market and Sales Forecasting 3(3-0)
- MSA 607 - Program Management in Complex Organizations 3(3-0)
- MSA 660 - Marketing Administration 3(3-0)
- MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

Concentration Courses VI

Social and Economic Systems

The nature of social and economic systems and how they constrain, control, and impact the operational effectiveness of operations.

- IET 524 - Technology and Environment 3(3-0)
- MSA 634 - Managerial Accounting Concepts 3(3-0)
- MSA 635 - Financial Management 3(3-0)
- PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)
- PHL 518 - Professional Ethics 3(3-0)
- SOC 512 - Industrial Sociology 3(3-0)

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Cognate Courses (0-3 hours)

- Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 634 - Managerial Accounting Concepts 3(3-0)
- MSA 635 - Financial Management 3(3-0)
- MSA 640 - Quantitative Applications in Decision Making 3(3-0)
- MSA 660 - Marketing Administration 3(3-0)
- MSA 681 - Administrative Practicum 1-3(Spec)
- MSA 690 - Internship 1-3(Spec)
- MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Health Services Administration

The Health Services Administration concentration is designed to provide the knowledge and skills required for directors, administrators and supervisors in health services. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

- MSA 600 - Foundations of Research Methods in Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

- Select one of the following:
- MSA 698 - Directed Administrative Portfolio 3(3-0)
- MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (12 hours)

- HSC 507 - Introduction to Health Service Organizations and Systems 3(3-0)
- HSC 520 - Health Services Administration 3(3-0)
- HSC 570 - Financial Aspects of Health Services Organizations 3(3-0)
- HSC 571 - Legal Aspects of Health Services Organizations 3(3-0)
- HSL 611 - Healthcare Administration and Ethical Compliance 3(3-0)
- HSL 631 - Healthcare Law, Compliance and Risk Management 3(3-0)
- HSL 651 - Fundamentals of Healthcare Finance 3(3-0)

Note: You may only select ONE of HSC 507 OR 611 and only ONE of HSC 570 OR HSL 651 and only ONE of HSC 571 OR HSL 631.

Note: Advisors may recommend to the MSA Director the substitution of another course for HSC 520, if the student has appropriate management experience.

Electives (3-6 hours)

- Select from the following:
- HSC 516 - Travel Course in Health Education 1-15(Spec)
- HSC 538WI - Development of Proposals and Reports in Health Administration 3(3-0)
- HSC 544 - Biostatistics 3(2-1)
- HSC 545 - Health Planning 3(3-0)
- HSC 552 - International Health Systems, Organizations and Policy 3(3-0)

HSC 572 - Quality Improvement in Health Services 3(3-0)
 HSC 581 - Managed Care: Origins, Organizations, and Operations 3(3-0)
 HSC 617 - Community and Public Health 3(3-0)
 HSC 700 - Program Evaluation in the Health Fields 3(3-0)
 HSL 641 - Health Economics and Policy Implication 3(3-0)
 MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 608 - Succession Planning 3(3-0)
 MSA 647 - People and Project Administration 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Human Resources Administration

The Human Resources Administration concentration provides a program of study for the student who is pursuing, or intends to pursue, a career in the field of Human Resources. The concentration is designed to provide students with an overall background in the field as well as in the specific areas of Labor Relations, Staffing, Training and Organization Development. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Course Requirements (15-18 hours)

Guide to Choosing Courses:

Students are required to take one course from Category 1, preferably before taking other courses in the concentration. In order to produce the strongest preparation, it is recommended that students take one course from Categories 2 and 3 and two courses from Category 4.

Category 1 - Survey of Human Resources Administration Courses (Required)

Take one of the following, preferably before taking other courses in the concentration:

MGT 643 - Human Resource Management 3(3-0)
 PAD 711 - Public Personnel Management 3(3-0)

Category 2 - Labor Relations Courses

It is recommended that students take one of the following:

COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
 ECO 515 - Collective Bargaining and Labor Law 3(3-0)
 MGT 646 - Labor Relations Issues 3(3-0)
 MSA 618 - International and Comparative Employment Relations 3(3-0)

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Category 3 - Training & Organization Development Courses

It is recommended that students take one of the following:
 CED 555 - Human Relations Skills 3(3-0)
 COM 560 - Communication and Social/Organizational Change 3(3-0)
 COM 561 - Communication in Conflict Management 3(3-0)
 MGT 649 - Seminar in Organizational Development 3(3-0)
 MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)
 MSA 503 - Gender and Generational Supervision 3(3-0)

Note: Students may not count both COM 560 and COM 561 within the HRA concentration.

Category 4 - Staffing Courses

It is recommended that students take two of the following:
 MGT 645 - Personnel Compensation Practice and Process 3(3-0)
 MGT 647 - Employee Selection and Evaluation 3(3-0)
 MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)
 MSA 608 - Succession Planning 3(3-0)
 MSA 647 - People and Project Administration 3(3-0)
 PSY 536 - Personnel Psychology 3(3-0)
 PSY 636 - Advanced Personnel Psychology 3(3-0)

Note: Students may not count both MGT 647 and PSY 536 on a certificate or degree program.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Note: No more than a total of 15 hours of College of Business courses may be used on the program plan.

Information Resource Management

The Information Resource Management Concentration is designed to enable students to develop a comprehensive management approach to the introduction of information systems in an organization, in order to ensure that the information technology solution which is chosen will be deemed the one most appropriate. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses I (3 hours)

BIS 634 - Seminar in Information Systems Issues 3(3-0)

Required Courses II (3 hours)

Select one of the following:

BIS 601 - Management Information Systems 3(3-0)
 CPS 603 - Computer Information Systems 3(3-0)

Note: Students may not count both CPS 603 and BIS 601 on an IRM concentration or certificate.

(continued)

Required Courses III (3 hours)

Select one of the following:

BIS 630 - Information Systems Process Management 3(3-0)
CPS 510 - Software Systems Engineering 3(3-0)

Note: Students may not count both CPS 510 and BIS 630 on an IRM concentration or certificate.

Required Courses IV (3 hours)

Select one of the following:

BIS 635 - Business Systems Applications 3(3-0)
CPS 612 - Software Project Management 3(3-0)

Note: Students may not count both CPS 612 and BIS 635 on an IRM concentration or certificate.

Electives (3-6 hours)

One to two specialized courses determined by the MSA Director.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
MSA 634 - Managerial Accounting Concepts 3(3-0)
MSA 635 - Financial Management 3(3-0)
MSA 640 - Quantitative Applications in Decision Making 3(3-0)
MSA 660 - Marketing Administration 3(3-0)
MSA 681 - Administrative Practicum 1-3(Spec)
MSA 690 - Internship 1-3(Spec)
MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

International Administration

The International Administration concentration is designed to provide the appropriate educational background for students who are interested in practicing administration in international settings. Those who have administrative responsibilities with international dimensions, but work in the United States, would also find it helpful.

Students will demonstrate a sensitivity to contemporary cultural variations and the need for understanding them. This may be evidenced by graduate or undergraduate coursework, experience or other appropriate means.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
MSA 602 - Financial Analysis, Planning and Control 3(3-0)
MSA 603 - Strategic Planning for the Administrator 3(3-0)
MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (15-18 hours)

Select from the following:

ANT 506/SOC 506 - Comparative Cultural Systems 3(3-0)
COM 667 - Seminar in Intercultural Communication 3(3-0)
FIN 573 - International Finance 3(3-0)
MGT 667 - International Business 3(3-0)
MKT 560 - International Marketing 3(3-0)
MSA 510 - Global Leadership Perspectives
MSA 618 - International and Comparative Employment Relations 3(3-0)
PSC 551 - Seminar in International Relations 3(3-0)
PSC 555 - International Law I 3(3-0)
PSC 642 - Problems and Processes of International Development I 3(3-0)
PSC 651 - Comparative Political & Economic Systems 3(3-0)

Note: When appropriate, other courses may be substituted with the approval of the MSA Director.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
MSA 634 - Managerial Accounting Concepts 3(3-0)
MSA 635 - Financial Management 3(3-0)
MSA 640 - Quantitative Applications in Decision Making 3(3-0)
MSA 660 - Marketing Administration 3(3-0)
MSA 681 - Administrative Practicum 1-3(Spec)
MSA 690 - Internship 1-3(Spec)
MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Leadership

The Leadership Concentration enables students to enhance their knowledge and skills in the area of leadership, group dynamics, organizational change, management of conflict, negotiation, cultural diversity and communication. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
MSA 602 - Financial Analysis, Planning and Control 3(3-0)
MSA 603 - Strategic Planning for the Administrator 3(3-0)
MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
MSA 699 - Applied Research Project in Administration 3(Spec)

Required Course (3 hours)

Select one of the following:

MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)
PAD 785 - Strategic Leadership 3(3-0)

Electives (12-15 hours)

CED 555 - Human Relations Skills 3(3-0)
COM 560 - Communication and Social/Organizational Change 3(3-0)
COM 561 - Communication in Conflict Management 3(3-0)
COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
COM 667 - Seminar in Intercultural Communication 3(3-0)
ECO 515 - Collective Bargaining and Labor Law 3(3-0)
MGT 646 - Labor Relations Issues 3(3-0)
MGT 649 - Seminar in Organizational Development 3(3-0)
MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)

MSA 503 - Gender and Generational Supervision 3(3-0)

MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)

MSA 510 - Global Leadership Perspectives 3(3-0)

MSA 607 - Program Management in Complex Organizations 3(3-0)

MSA 608 - Succession Planning 3(3-0)

MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)

MSA 647 - People and Project Administration 3(3-0)

MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

MSA 696 - Special Topics 3(3-0)

PAD 785 - Strategic Leadership 3(3-0)

PHL 518 - Professional Ethics 3(3-0)

PSY 531 - Group Dynamics 3(3-0)

PSY 535 - Organizational Psychology 3(3-0)

Plus one specialized course determined by the MSA Director

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Note: Students may only count MSA 677 or PAD 785 as an elective if not counted as a required course above.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Philanthropy and Fund Raising

The purpose of the concentration is to provide an appropriate educational experience for students who intend to pursue careers in the field of philanthropy and fundraising. Students will gain an understanding of the history and cultural traditions of philanthropic and fundraising organizations as well as the knowledge to manage such organizations. Decision-making skills, analysis and integration of theory and application will strengthen students' understanding of the roles, influence and impact of the discipline in the economic, political, and social arena.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (15 hours)

MSA 612 - Grants Fiscal Administration 3(3-0)
 MSA 643 - Administration of Annual, Capital Campaigns and Major Gifts 3(3-0)
 MSA 644 - Philanthropy: The Role of Foundations, Non Profit Organizations in 3(3-0)
 MSA 645 - Strategic Philanthropy: Corporations, Foundations, Individuals and 3(3-0)
 MSA 646 - Foundations of Philanthropic Organizations 3(3-0)

Electives (3 hours)

Select one of the following:

EDL 609 - Administration of Volunteer Programs 3(3-0)
 EDL 610 - Grants and Fund Procurement 3(3-0)
 MSA 641 - Historical and Cultural Perspectives on Philanthropy 3(3-0)
 MSA 642 - Principles, Theory and Ethical Practices in Fundraising and Grant Making 3(3-0)
 RPL 521 - Fund Development & Grant Writing for Public & Non-profit Organizations 3(3-0)

Total: 36 semester hours

Project Management

This program is designed to develop practitioners in the field of project management. Curricula focuses on project management fundamentals, such as decision making, planning, scheduling, risk management, quality assurance, cost and value management, and organizational behavior. The program will integrate theory with the development of both hard skills- budgeting, planning and technical knowledge and soft skills such as motivation, community relations, communication and conflict resolution. Graduates will prepare for leadership positions as project management professionals and gain important preparation for the Project Management Professional certification exam.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (12 hours)

BUS 501 - Project Management Fundamentals 3(3-0)
 BUS 505 - Application of Project Management Principles 3(3-0)
 BUS 507 - Advanced Project Management Methodologies 3(3-0)
 MSA 647 - People and Project Administration 3(3-0)

Electives (3-6 hours)

Select from the following:

COM 560 - Communication and Social/Organizational Change 3(3-0)
 COM 667 - Seminar in Intercultural Communication 3(3-0)
 MSA 607 - Program Management in Complex Organizations 3(3-0)
 MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)
 MSA 611 - Contract Administration 3(3-0)

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Public Administration

The Public Administration Concentration is designed to prepare students for careers in public sector administration. Broadly, the objectives of the program are to provide students with background and competency in five areas including:

1. the political, social, and economic environment of public administration;
2. public management process;
3. public policy analysis;
4. research and analytic methods; and
5. organization theory and behavior.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (15-18 hours)

Select five or six from the following:

COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
 ECO 515 - Collective Bargaining and Labor Law 3(3-0)
 MGT 646 - Labor Relations Issues 3(3-0)
 PAD 610 - Foundations of Public Administration 3(3-0)
 PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)
 PAD 655 - Managing Modern Local Government 3(3-0)
 PAD 661 - Administration and Policy in American State Government 3(3-0)
 PAD 711 - Public Personnel Administration Practice 3(3-0)
 PAD 713 - Public Budgeting and Finance 3(3-0)
 PAD 714 - Program Analysis and Evaluation 3(3-0)
 PAD 775 - Organization Theory in Public Administration 3(3-0)
 PAD 785 - Strategic Leadership 3(3-0)
 PSC 514 - American Public Policy Making 3(3-0)
 PSC 522 - Regulatory Processes and Administrative Law 3(3-0)
 PSC 563 - Politics and Policy in Urban Communities 3(3-0)
 PSC 566 - Intergovernmental Relations in the United States 3(3-0)

Note: Only one of the following may be used to fulfill concentration requirements: ECO 515, COM 665, or MGT 646.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Recreation & Park Administration

The Recreation, Parks, and Leisure Administration concentration is designed to provide students with background and competencies in administration, grant writing, evaluation, current issues, as well as areas of individualized interest. Students will select 15-18 credits in consultation with their advisor.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (6 hours)

RPL 611 - Evaluation in Recreation and Leisure Services 3(3-0)
 RPL 618 - Issues in Leisure 3(3-0)

Electives (9-12 hours)

Select from the following:

MSA 660 - Marketing Administration 3(3-0)
 RPL 511 - Liability and Risk Management in Leisure Services 3(3-0)
 RPL 521 - Fund Development & Grant Writing for Public & Non-profit Organizations 3(3-0)

RPL 545 - Marketing of Leisure Services 3(3-0)

RPL 636 - Recreation Facility Operations and Management 3(3-0)

RPL 640 - Recreation Program and Event Administration 3(3-0)

Note: Select only one of RPL 545 **OR** MSA 660, not both.

Cognate Courses (0-3 hours)

Select any course offered within any MSA degree program concentration or one of the following courses, in consultation with an academic advisor and approved by the MSA Director:

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
 MSA 634 - Managerial Accounting Concepts 3(3-0)
 MSA 635 - Financial Management 3(3-0)
 MSA 640 - Quantitative Applications in Decision Making 3(3-0)
 MSA 660 - Marketing Administration 3(3-0)
 MSA 681 - Administrative Practicum 1-3(Spec)
 MSA 690 - Internship 1-3(Spec)
 MSA 696 - Special Topics 3(3-0)

Note: MSA 681 and MSA 690 are only available to students admitted to Central Michigan University's Mount Pleasant campus.

Total: 36 semester hours

Research Administration

The purpose of the concentration is to provide an appropriate educational experience to Research Administration professionals that will allow them to gain insight into the most recent developments in the field, gain practical experience, meet the growing data and informational needs and demands in their respective organizations, and to advance in the research administration profession.

Required Core I (15 hours)

MSA 600 - Foundations of Research Methods in Administration 3(3-0)
 MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
 MSA 602 - Financial Analysis, Planning and Control 3(3-0)
 MSA 603 - Strategic Planning for the Administrator 3(3-0)
 MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

MSA 698 - Directed Administrative Portfolio 3(3-0)
 MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (12 hours)

MSA 611 - Contract Administration 3(3-0)
 MSA 612 - Grants Fiscal Administration 3(3-0)
 MSA 613 - Project Administration 3(3-0)
 MSA 614 - Ethics in Research Administration 3(3-0)

Electives (6 hours)

Select from the following:

MSA 615 - Sponsored Project Administration 3(3-0)
 MSA 616 - The Practice of Research Administration 3(3-0)
 MSA 617 - Clinical Research Administration 3(3-0)
 MSA 622 - Research Facilities Administration and Cost 3(3-0)

Total: 36 semester hours

Training and Development

This program is designed to develop practitioners with the knowledge and skills necessary to lead, support, diagnose problems and implement solutions that enhance organizational performance. Graduates will prepare for leadership positions as human resource professionals, training and development specialists, organizational development consultants, instructional designers, and performance technologists.

Required Core I (15 hours)

- MSA 600 - Foundations of Research Methods in Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)

Required Core II (3 hours)

Select one of the following:

- MSA 698 - Directed Administrative Portfolio 3(3-0)
- MSA 699 - Applied Research Project in Administration 3(Spec)

Required Courses (12 hours)

- EDL 612 - Methods and Techniques of Training and Development 3(3-0)
- EDL 624 - Planning for Instruction in Nontraditional Settings 3(3-0)
- MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)
- MSA 503 - Gender and Generational Supervision 3(3-0)

Electives (6 hours)

Select two of the following:

- COM 560 - Communication and Social/Organizational Change 3(3-0)
- COM 667 - Seminar in Intercultural Communication 3(3-0)
- EDL 620 - Administration Within Diverse Populations 3(3-0)
- EDL 626 - The Adult Learner 3(3-0)
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)
- MSA 608 - Succession Planning 3(3-0)
- MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

Total: 36 semester hours

Graduate Certificates**Minimum Totals for Graduation: 15-18 hours**

The 15-18 credit hour MSA Graduate Certificate program is designed for regularly admitted graduate students who desire advanced training in the field of administration. Credits successfully earned with the certificate program may be used toward the MSA degree, if the concentration is the same. A maximum of six (6) semester hours from a previous or concurrent graduate degrees or certificate can be transferred towards a graduate certificate. Students may substitute courses only with the approval of the MSA Director. Students may use up to 6 transfer credits providing they meet the criteria for transfer credit outlined in this bulletin. Course work and other requirements must be completed within seven years prior to the awarding of a graduate certificate. Prior learning credit may not be used on the certificate program.

Note: Students may not use more than 12 credits of College of Business courses. Required courses: 5-6 courses from the appropriate concentration. Some CMU centers are not authorized to offer the certificate program. Not all certificate concentrations are available at all CMU centers.

Acquisitions Administration Certificate**Minimum Total for Graduation: 15 hours****Required Courses (6 hours)**

- MGT 533 - Purchasing Strategy 3(3-0)
- MSA 611 - Contract Administration 3(3-0)

Electives (9 hours)

Select three of the following:

- IET 500 - Production Concepts 3(3-0)
- IET 527 - Industrial Safety Management 3(3-0)
- MGT 542 - Inventory and Materials Management 3(3-0)
- MGT 543 - Management and Control of Quality 3(3-0)
- MSA 504 - Strategies and Proposals in Government Acquisitions 3(3-0)
- MSA 540 - Legal Considerations of Contract Administration 3(3-0)
- PAD 712 - Implementation and Reform of Public Programs 3(3-0)
- PAD 714 - Program Analysis and Evaluation 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)

Total: 15 semester hours

Administrative Essentials Certificate**Minimum Totals for Graduation: 18 hours**

The 18 credit MSA Graduate Certificate program is designed for regularly admitted graduate students who desire advanced training in the field of administration. A maximum of six (6) semester hours from a previous or concurrent graduate degree or certificate can be transferred toward a graduate certificate. Students may substitute courses only with the approval of the MSA Director. Students may use up to 6 transfer credits providing they meet the criteria for transfer credit outlined in this bulletin.

Course work and other requirements must be completed within seven years prior to the awarding of a graduate certificate. Prior learning credit may not be used on the certificate program.

The Administrative Essentials graduate certificate program is designed to develop administrative professionals with the knowledge and skills necessary to lead, support, diagnose problems and implement solutions that enhance organizational performance. Those earning this credential will be prepared for leadership positions in a variety of industries. If the graduate student decides to pursue the MSA degree, MSA 601, MSA 602, MSA 603, and MSA 604 credit may be used toward the MSA degree. Credit earned for MSA 501 and/or MSA 609 may be applied as concentration or cognate credit, depending on the student's concentration.

(continued)

Note: Students may not use more than 12 credits of College of Business courses.

Required Courses (18 hours)

- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)
- MSA 604 - Administration, Globalization and Multiculturalism 3(3-0)
- MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)

When appropriate, other courses may be substituted with the approval of the MSA Director.

Total: 18 semester hours

Engineering Management

Minimum Totals for Graduation: 18 hours

Required Courses (18 hours)

- IET 500 - Production Concepts 3(3-0)
- IET 501 - Application of Industrial Management Principles 3(3-0)
- IET 524 - Technology and Environment 3(3-0)
- IET 650 - Project Management 3(3-0)
- IET 670 - Lean Manufacturing & Six Sigma Quality 3(3-0)
- IET 680 - Sustainability and Green Technology 3(3-0)

Total: 18 semester hours

General Administration Certificate

Minimum Total for Graduation: 15 hours

Students are encouraged to complete courses listed within a broad range of categories. If not taken as part of the core curriculum, any one (1) MSA designator course may be completed to partially fulfill the requirements of the General Administration concentration.

Students may substitute up to six (6) credits of courses on this concentration providing the courses are consistent with one or more of the categories listed below. The use of the substitutes must be recommended by the advisor and approved by the MSA Director.

Required Courses (15-18 hours)

- BIS 601 - Information Systems 3(3-0)
- CED 555 - Human Relations Skills 3(3-0)
- COM 560 - Communication and Social/Organizational Change 3(3-0)
- COM 561 - Communication in Conflict Management 3(3-0)
- COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
- COM 667 - Seminar in Intercultural Communication 3(3-0)
- CPS 603 - Computer Information Systems 3(3-0)
- ECO 515 - Collective Bargaining and Labor Law 3(3-0)
- EDL 610 - Grants and Fund Procurement 3(3-0)
- FIN 573 - International Finance 3(3-0)
- IET 500 - Production Concepts 3(3-0)
- IET 524 - Technology and Environment 3(3-0)
- JRN 670 - Public Relations Management 3(3-0)
- MGT 643 - Human Resource Management 3(3-0)
- MGT 646 - Labor Relations Issues 3(3-0)
- MGT 667 - International Business 3(3-0)
- MKT 555 - Market and Sales Forecasting 3(3-0)
- MKT 560 - International Marketing 3(3-0)
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)
- MSA 503 - Gender and Generational Supervision 3(3-0)
- MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)
- MSA 510 - Global Leadership Perspectives 3(3-0)
- MSA 607 - Program Management in Complex Organizations 3(3-0)
- MSA 608 - Succession Planning 3(3-0)

MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)

- MSA 618 - International and Comparative Employment Relations 3(3-0)
- MSA 634 - Managerial Accounting Concepts 3(3-0)
- MSA 635 - Financial Management 3(3-0)
- MSA 640 - Quantitative Applications in Decision Making 3(3-0)
- MSA 647 - People and Project Administration 3(3-0)
- MSA 660 - Marketing Administration 3(3-0)
- MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)
- PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)
- PAD 711 - Public Personnel Management 3(3-0)
- PAD 785 - Strategic Leadership 3(3-0)
- PHL 518 - Professional Ethics 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)
- PSC 555 - International Law I 3(3-0)
- PSY 535 - Organizational Psychology 3(3-0)
- SOC 512 - Industrial Sociology 3(3-0)

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Total: 15 semester hours

Health Services Administration Certificate

Minimum Total for Graduation: 15 hours

Required Courses (12 hours)

- HSC 507 - Introduction to Health Service Organizations and Systems 3(3-0)
- HSC 520 - Health Services Administration 3(3-0)
- HSC 570 - Financial Aspects of Health Services Organizations 3(3-0)
- HSC 571 - Legal Aspects of Health Services Organizations 3(3-0)
- HSL 611 - Healthcare Administration and Ethical Compliance 3(3-0)
- HSL 631 - Healthcare Law, Compliance and Risk Management 3(3-0)
- HSL 651 - Fundamentals of Healthcare Finance 3(3-0)

Note: You may only select ONE of HSC 507 OR HSL 611 and only ONE of HSC 570 OR HSL 651 and only ONE of HSC 571 OR HSL 631.

Note: Advisors may recommend to the MSA Director the substitution of another course for HSC 520, if the student has appropriate management experience.

Elective Courses (3 hours)

- Select one of the following:
- HSC 516 - Travel Course in Health Education 1-15(Spec)
- HSC 538WI - Development of Proposals and Reports in Health Administration 3(3-0)
- HSC 544 - Biostatistics 3(2-1)
- HSC 545 - Health Planning 3(3-0)
- HSC 552 - International Health Systems, Organizations and Policy 3(3-0)
- HSC 572 - Quality Improvement in Health Services 3(3-0)
- HSC 581 - Managed Care: Origins, Organizations, and Operations 3(3-0)
- HSC 617 - Community and Public Health 3(3-0)
- HSC 700 - Program Evaluation in the Health Fields 3(3-0)
- HSL 641 - Health Economics and Policy Implication 3(3-0)
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 608 - Succession Planning 3(3-0)
- MSA 647 - People and Project Administration 3(3-0)
- MSA 660 - Marketing Administration 3(3-0)

Total: 15 semester hours

Human Resources Administration Certificate

Minimum Totals for Graduation: 15 hours

Course Requirements (15 hours)

Students are required to take one course from Category 1, preferably before taking other courses in the concentration.

In order to produce the strongest preparation, it is recommended that students take one course from Categories 2 and 3, and two courses from Category 4.

Category 1 - Survey of Human Resources Administration (Required) (3 hours)

Take one of the following, preferably before taking other courses in the concentration.

MGT 643 - Human Resource Management 3(3-0)

PAD 711 - Public Personnel Management 3(3-0)

Category 2 - Labor Relations Courses

It is recommended that students take one of the following:

COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)

ECO 515 - Collective Bargaining and Labor Law 3(3-0)

MGT 646 - Labor Relations Issues 3(3-0)

MSA 618 - International and Comparative Employment Relations 3(3-0)

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Category 3 - Training & Organization Development Courses

It is recommended that students take one of the following:

CED 555 - Human Relations Skills 3(3-0)

COM 560 - Communication and Social/Organizational Change 3(3-0)

COM 561 - Communication in Conflict Management 3(3-0)

MGT 649 - Seminar in Organizational Development 3(3-0)

MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)

MSA 503 - Gender and Generational Supervision 3(3-0)

Note: Students may not count both COM 560 and COM 561 within the HRA certificate or concentration.

Category 4 - Staffing Courses

It is recommended that students take two of the following:

MGT 645 - Personnel Compensation Practice and Process 3(3-0)

MGT 647 - Employee Selection and Evaluation 3(3-0)

MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)

MSA 608 - Succession Planning 3(3-0)

MSA 647 - People and Project Administration 3(3-0)

PSY 536 - Personnel Psychology 3(3-0)

PSY 636 - Advanced Personnel Psychology 3(3-0)

Note: Students may not count both MGT 647 and PSY 536 on a certificate or degree program.

Total: 15 semester hours

Information Resource Management Certificate

Minimum Total for Graduation: 15 hours

Required Courses I (3 hours)

BIS 634 - Seminar in Information Systems Issues 3(3-0)

Required Courses II (3 hours)

BIS 601 - Management Information Systems 3(3-0)

CPS 603 - Computer Information Systems 3(3-0)

Note: Students may not count both BIS 601 and CPS 603 on an IRM concentration or IRM certificate.

Required Courses III (3 hours)

BIS 630 - Information Systems Process Management 3(3-0)

CPS 510 - Software Systems Engineering 3(3-0)

Note: Students may not count both BIS 630 and CPS 510 on an IRM concentration or IRM certificate.

Required Courses IV (3 hours)

BIS 635 - Business Systems Applications 3(3-0)

CPS 612 - Software Project Management 3(3-0)

Note: Students may not count both BIS 635 and CPS 612 on an IRM concentration or IRM certificate.

Required Courses V (3 hours)

One specialized course determined by the MSA Director.

Total: 15 semester hours

International Administration Certificate

Minimum Total for Graduation: 15 hours

Required Courses (15 hours)

ANT 506/SOC 506 - Comparative Cultural Systems 3(3-0)

COM 667 - Seminar in Intercultural Communication 3(3-0)

FIN 573 - International Finance 3(3-0)

MGT 667 - International Business 3(3-0)

MKT 560 - International Marketing 3(3-0)

MSA 510 - Global Leadership Perspectives 3(3-0)

MSA 618 - International and Comparative Employment Relations 3(3-0)

PSC 551 - Seminar in International Relations 3(3-0)

PSC 555 - International Law I 3(3-0)

PSC 642 - Problems and Processes of International Development 3(3-0)

PSC 651 - Comparative Political & Economic Systems 3(3-0)

Total: 15 semester hours

Leadership Certificate

Minimum Total for Graduation: 15 hours

Required Course

Select one of the following:

MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

PAD 785 - Strategic Leadership 3(3-0)

Electives (12 hours)

CED 555 - Human Relations Skills 3(3-0)

COM 560 - Communication and Social/Organizational Change 3(3-0)

COM 561 - Communication in Conflict Management 3(3-0)

COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)

COM 667 - Seminar in Intercultural Communication 3(3-0)

ECO 515 - Collective Bargaining and Labor Law 3(3-0)

MGT 646 - Labor Relations Issues 3(3-0)

MGT 649 - Seminar in Organizational Development 3(3-0)

MSA 501 - Managing Change with Emotional Intelligence 3(3-0)

MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)

MSA 503 - Gender and Generational Supervision 3(3-0)

MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)

MSA 510 - Global Leadership Perspectives 3(3-0)

MSA 607 - Program Management in Complex Organizations 3(3-0)

MSA 608 - Succession Planning 3(3-0)

MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)

MSA 647 - People and Project Administration 3(3-0)

MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

MSA 696 - Special Topics 3(3-0)

PAD 785 - Strategic Leadership 3(3-0)

PHL 518 - Professional Ethics 3(3-0)

PSY 531 - Group Dynamics 3(3-0)

PSY 535 - Organizational Psychology 3(3-0)

When appropriate, other courses may be substituted with the approval of the MSA Director.

Note: Students may not count both ECO 515 and MGT 646 on a certificate or degree program.

Note: Students may only count MSA 677 or PAD 785 as an elective if not counted as a required course above.

Total: 15 semester hours

(continued)

Philanthropy and Fund Raising

Minimum Totals for Graduation: 18 hours

Required Courses (15 hours)

- MSA 612 - Grants Fiscal Administration 3(3-0)
- MSA 643 - Administration of Annual, Capital Campaigns and Major Gifts 3(3-0)
- MSA 644 - Philanthropy: The Role of Foundations, Non Profit Organizations in 3(3-0)
- MSA 645 - Strategic Philanthropy: Corporations, Foundations, Individuals and 3(3-0)
- MSA 646 - Foundations of Philanthropic Organizations 3(3-0)

Electives (3 hours)

- Select one of the following:
- EDL 609 - Administration of Volunteer Programs 3(3-0)
- EDL 610 - Grants and Fund Procurement 3(3-0)
- MSA 641 - Historical and Cultural Perspectives on Philanthropy 3(3-0)
- MSA 642 - Principles, Theory and Ethical Practices in Fundraising and Grant Making 3(3-0)
- RPL 521 - Fund Development & Grant Writing for Public & Non-profit Organizations 3(3-0)

Total: 18 semester hours

Project Management Certificate

Minimum Totals for Graduation: 15 hours

Required Courses (12 hours)

- BUS 501 - Project Management Fundamentals 3(3-0)
- BUS 505 - Application of Project Management Principles 3(3-0)
- BUS 507 - Advanced Project Management Methodologies 3(3-0)
- MSA 647 - People and Project Administration 3(3-0)

Electives (3 hours)

- Select from the following:
- COM 560 - Communication and Social/Organizational Change 3(3-0)
- COM 667 - Seminar in Intercultural Communication 3(3-0)
- MSA 607 - Program Management in Complex Organizations 3(3-0)
- MSA 609 - Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)
- MSA 611 - Contract Administration 3(3-0)

Total: 15 semester hours

Public Administration Certificate

Minimum Total for Graduation: 15 hours

Required Courses (15 hours)

- COM 665 - Seminar in Communication and Negotiation in Employee Relations 3(3-0)
- ECO 515 - Collective Bargaining and Labor Law 3(3-0)
- MGT 646 - Labor Relations Issues 3(3-0)
- PAD 610 - Foundations of Public Administration 3(3-0)
- PAD 622 - Strategic Planning for Public/Non-Profit Organizations 3(3-0)
- PAD 655 - Managing Modern Local Government 3(3-0)
- PAD 661 - Administration and Policy in American State Government 3(3-0)
- PAD 711 - Public Personnel Administration Practice 3(3-0)
- PAD 713 - Public Budgeting and Finance 3(3-0)
- PAD 714 - Program Analysis and Evaluation 3(3-0)
- PAD 775 - Organization Theory in Public Administration 3(3-0)
- PAD 785 - Strategic Leadership 3(3-0)
- PSC 514 - American Public Policy Making 3(3-0)
- PSC 522 - Regulatory Processes and Administrative Law 3(3-0)
- PSC 563 - Politics and Policy in Urban Communities 3(3-0)
- PSC 566 - Intergovernmental Relations in the United States 3(3-0)

Note: Only one of the following may be used to fulfill certificate requirements: ECO 515, COM 665, or MGT 646.

Total: 15 semester hours

Recreation and Park Administration

Minimum Totals for Graduation: 18 hours

The Recreation, Parks, and Leisure Administration graduate certificate is designed to provide students with background and competencies in administration, grant writing, evaluation, current issues, as well as areas of individualized interest. Students will select 18 credits in consultation with their advisor.

Required Courses (6 hours)

- RPL 611 - Evaluation in Recreation and Leisure Services 3(3-0)
- RPL 618 - Issues in Leisure 3(3-0)

Electives (12 hours)

- Select from the following:
- MSA 660 - Marketing Administration 3(3-0)
- RPL 511 - Liability and Risk Management in Leisure Services 3(3-0)
- RPL 521 - Fund Development & Grant Writing for Public & Non-profit Organizations 3(3-0)
- RPL 545 - Marketing of Leisure Services 3(3-0)
- RPL 636 - Recreation Facility Operations and Management 3(3-0)
- RPL 640 - Recreation Program and Event Administration 3(3-0)

Note: Select only one of RPL 545 OR MSA 660, not both.

Total: 18 semester hours

Research Administration Certificate

Minimum Totals for Graduation: 18 hours

Required Courses (12 hours)

- MSA 611 - Contract Administration 3(3-0)
- MSA 612 - Grants Fiscal Administration 3(3-0)
- MSA 613 - Project Administration 3(3-0)
- MSA 614 - Ethics in Research Administration 3(3-0)

Electives (6 hours)

- Select from the following:
- MSA 615 - Sponsored Project Administration 3(3-0)
- MSA 616 - The Practice of Research Administration 3(3-0)
- MSA 617 - Clinical Research Administration 3(3-0)
- MSA 622 Research Facilities Administration and Cost 3(3-0)

Total: 18 semester hours

Training and Development Certificate

Minimum Totals for Graduation: 18 hours

Required Courses (12 hours)

- EDL 612 - Methods and Techniques of Training and Development 3(3-0)
- EDL 624 - Planning for Instruction in Nontraditional Settings 3(3-0)
- MSA 502 - Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)
- MSA 503 - Gender and Generational Supervision 3(3-0)

Electives (6 hours)

- Select two of the following:
- COM 560 - Communication and Social/Organizational Change 3(3-0)
- COM 667 - Seminar in Intercultural Communication 3(3-0)
- EDL 620 - Administration Within Diverse Populations 3(3-0)
- EDL 626 - The Adult Learner 3(3-0)
- MSA 501 - Managing Change with Emotional Intelligence 3(3-0)
- MSA 506 - Evaluation, Coaching and Mentoring 3(3-0)
- MSA 608 - Succession Planning 3(3-0)
- MSA 677 - Disruption, Innovation, Transformation and Change 3(3-0)

Total: 18 semester hours

3. Resume that includes at least the following:
 - Educational experience;
 - Professional goals and objectives;
 - Work history;
 - Professional experiences, memberships, and participation in professional activities.
4. Personal statement (1-2 pages) that conveys the applicant's reasons for pursuing a graduate degree in public health; and how admission to the CMU program relates to the applicant's professional aspirations.
5. Two letters of reference that can attest to the applicant's ability and likelihood of success in a graduate program.
6. Submit GRE, GMAT, or MCAT examination scores.
7. Because of the nature of the program and academic content, it is recommended that the applicant have competency in the following areas: math and statistics, biology, and written and verbal skills. Applicants who may not have had such courses or developed these competencies should ensure they develop them prior to starting the program.
8. TOEFL, IELTS, or other English proficiency exam is required if a graduate is from a non-English speaking country. Applicants must be able to study and communicate in English, and achieve the minimum score required by the CMU College of Graduate Studies. Students who take the IELTS exam must achieve a minimum IELTS overall score of 5.5 for conditional admission or 6.5 or higher for regular admission. Students who take the TOEFL exam must achieve an overall score of 94 with the following minimum scores:
 - Reading 22 minimum;
 - Listening 22 minimum;
 - Speaking 26 minimum;
 - Writing 24 minimum.

For students who may not meet one or more of the admission requirements, a conditional admission may be considered by the program. In such cases the student will need to earn at least a 3.00 GPA during the first nine credits taken in the program. Applicants wishing to be considered for conditional admission will need to submit a rationale for granting such conditional admission which will then be reviewed by the program which has the final authority in making a decision on conditional admission.

Retention Requirements:

1. Students must maintain a cumulative 3.00 GPA and a B or better in all program courses to graduate.

2. Students who may be admitted conditionally must demonstrate during the first semester that they can achieve a 3.00 GPA.
3. Students who do not maintain a 3.00 GPA will be placed on academic probation. Continued academic probation in multiple terms will result in dismissal from the program.
4. Students will be allowed to repeat a course no more than two times in order to improve the grade.

Transfer Credits:

Students may transfer into the degree program up to nine credits of course work from another regionally accredited graduate degree program, provided that the student earned a grade of B or better in the course and the course is determined by the Program to be equivalent to courses taught in the degree program. The determination of the Program is final in determining what courses, if any, can transfer.

The MPH courses are sequenced to start in each fall semester of the academic calendar. Students admitted in the spring program should take courses that might not have stringent prerequisites or with the permission of the instructor. In the initial stages, students admitted in the spring semester of the program may be delayed for at least one semester of the expected completion date; this will be offset when classes are taught in each semester.

Foundational Courses (19 hours)

- MPH 640 - Biostatistics in Public Health 4(3-1)
- MPH 642 - Health Education Theories 3(3-0)
- MPH 646 - Epidemiology for Public Health 3(3-0)
- MPH 648 - Health Policy and Management 3(3-0)
- MPH 650 - Biological Basis of Public Health 3(3-0)
- MPH 652 - Public Health Environmental Science 3(3-0)

Required Courses (14 hours)

- MPH 644 - Rural Health 3(3-0)
- MPH 654 - Public Health Leadership 3(3-0)
- MPH 655 - Program Planning and Evaluation 3(3-0)
- MPH 670 - Methods in Public Health Research 3(3-0)
- MPH 790 - Applied Practice Experience 2(Spec)

Required Culminating Experience (6 hours)

Select one of the following:

- MPH 796 - Integrative Learning Experience 1-6(Spec)
- MPH 798 - Thesis 1-6(Spec)

Public Health Practice Concentration (9 hours)

- MPH 664 - Public Health Communication and Informatics 3(3-0)
- MPH 666 - Substance Abuse Services 3(3-0)
- MPH 667 - Maternal and Child Health 3(3-0)

Total: 48 semester hours

Master of Health Administration (M.H.A.)

Minimum Totals for Graduation: 51 hours

The Master of Health Administration (MHA) is designed for students interested in a career as executives or senior staff in healthcare institutions and organizations. The program includes curriculum content that meets established competencies accepted in the field and includes healthcare administration and management, organizational behavior, managerial epidemiology, healthcare finance, reimbursement, statistics and quantitative methods, health policy, health economics, research, human resource management, health informatics, and comparative health systems. Applicants for the program may come from students who recently completed an undergraduate degree, persons who are interested in changing careers, and professionals in the field who desire the MHA degree. While the program is not yet accredited by the Commission on Accreditation for Healthcare Management Education (CAHME), the curriculum is designed to meet the standards of this accrediting body and when the program is eligible to apply, the intent is to do so and attain CAHME accreditation.

The MHA degree is part of the continuum of health administration and health policy education offered at Central Michigan University. These include an AUPHA certified undergraduate major in Health Administration, two graduate level certificates in International Health and in Health Systems Leadership, and the Doctor of Health Administration. In addition, the Health Administration Division is responsible for the Health Administration courses included in the Health Services Administration concentration in the MSA degree offered through CMU Global Campus.

The MHA degree is offered primarily in an online format, but may also be available in the classroom at designated campuses of the University. This allows professionals in the field and working adults interested in the field to enroll from almost anywhere in the world. All students in the program must complete a capstone experience. There are three options for doing so, depending on previous experience of students in the field of Healthcare Administration. These are usually full time field experiences in healthcare administration areas.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS**Admission Requirements:**

The program reviews all applications and submitted documents in making a determination on admission and makes such recommendations to the College of Graduate Studies.

1. Graduation from a regionally accredited undergraduate degree program. Students who have graduated from an Association of University Programs in Health Administration (AUPHA) certified program will have priority consideration for admission.
2. At least a 3.00 GPA as an undergraduate. Applicants with an overall GPA of less than 3.00 may be considered for regular admission if they have a 3.00 GPA in the last 60 hours of course work. Applicants with an overall GPA of 2.50 to 3.00 and who do not have a GPA of 3.00 for the last 60 hours taken may be considered for conditional admission following the process for conditional admission below.
3. Resume that includes at least the following:
 - a. Educational experience
 - b. Professional goals and objectives
 - c. Work history
 - d. Professional experiences, memberships, and participation in professional activities
4. Personal statement (500 to 1000 words) that conveys the applicant's reasons for pursuing a graduate degree in health administration; and how admission to the CMU program relates to the applicant's professional aspirations.
5. Three letters of reference that can attest to the applicant's ability and likelihood of success in a graduate program.
6. There is no requirement for applicants to submit the GMAT, GRE or MAT examinations; however, if the applicant has taken one of these examinations and wishes to submit the results, he/she is welcome to do so.
7. Because of the nature of the program and academic content, it is recommended that the applicant have competency in the following areas: math and statistics, basic accounting, economics, and in written and verbal skills. Applicants who may not have had such courses or developed these competencies should ensure they develop them prior to starting the program.
8. Students must meet the accounting competency requirement before they may enroll in MSA 602, Financial Analysis, Planning and Control, a required course for this degree. Accounting competency may be achieved in any one of the following ways:
 - a. Successful completion (final grade of "C" or better) of CMU's ACC 201 or ACC 203 course
 - b. A transcript showing completion of an equivalent accounting course in the last seven (7) years
 - c. Achieving 70% or higher on CMU's accounting competency exam (only two attempts are permitted)
 - d. Demonstrating accounting proficiency through experience (submit an accounting experience summary)
9. TOEFL Internet Based Test (iBT) exam is required if a graduate is from a non-English speaking country. Applicants must achieve a minimum overall score of 94 with the following minimum scores:
 - Reading 22 minimum
 - Listening 22 minimum
 - Speaking 26 minimum
 - Writing 24 minimum

For students who may not meet one or more of the admission requirements, a conditional admission may be considered by the program. In such cases the student will need to earn at least a 3.00 GPA during the first nine credits taken in the program. Applicant's wishing to be considered for conditional admission will need to submit a rationale for granting such conditional admission which will then be reviewed by the program which has the final authority in making a decision on conditional admission.

Retention Requirements:

1. Students must maintain a 3.00 GPA to graduate and may not have more than two C or C+ grades in required courses to graduate.
2. Students who may be admitted conditionally must demonstrate during the first semester that they can achieve a 3.00 GPA. Grades of C- or less do not count for graduation.
3. Students who do not maintain a 3.00 GPA or who have more than two C or C+ grades in required courses may be placed on academic probation. Continued academic probation in multiple terms may be considered in determining whether a student will be allowed to continue in the program.
4. Students will be allowed to repeat a course no more than two times in order to improve the grade.

Transfer Credits: Students may transfer into the degree program up to nine credits of course work from another regionally accredited graduate degree program, provided that the student earned a grade of B or better in the course and the course is determined by the Program to be equivalent to courses taught in the degree program. The determination of the Program is final in determining what courses, if any, can transfer.

A student must participate in at least 120 hours of synchronous learning. This can be met by enrolling in either face-to-face courses or through online synchronous opportunities built into such courses.

Required Courses (45 hours)

- HSL 611 - Healthcare Administration and Ethical Compliance 3(3-0)
- HSL 621 - Healthcare Operations and Structures 3(3-0)
- HSL 631 - Healthcare Law, Compliance and Risk Management 3(3-0)
- HSL 641 - Health Eco-nomics and Policy Implication 3(3-0)
- HSL 651 - Fundamentals of Healthcare Finance 3(3-0)
- HSL 661 - Healthcare Planning & Marketing 3(3-0)
- MGT 643 - Human Resource Management 3(3-0)
- MHA 601 - Statistics for Health Professionals 3(3-0)
- MHA 602 - Managerial Epidemiology 3(3-0)
- MHA 603 - Health Informatics and Quality Improvement 3(3-0)
- MHA 604 - Quantitative Decision-Making for Health Administration 3(3-0)
- MHA 605 - International Health Systems, Policy and Administration 3(3-0)
- MSA 601 - Organizational Dynamics and Human Behavior 3(3-0)
- MSA 602 - Financial Analysis, Planning and Control 3(3-0)
- MSA 603 - Strategic Planning for the Administrator 3(3-0)

Other Requirements (6 hours)

Select one of the following in consultation with academic advisor:

- MHA 697 - Health Administration Field Experience 6(Spec)
- MHA 698 - Health Administration Graduate Thesis 1-6(Spec)
- MHA 699 - Health Administration Internship 6(Spec)

Total: 51 semester hours

Doctor of Health Administration (D.H.A.)

Minimum Totals for Graduation: 63 hours

Applications are accepted for admission to the Doctor of Health Administration (DHA) program for the fall cohort start. Applications must be received for the fall start by April 1. Inquire with the DHA secretary at 989-774-1351 or the DHA program director at 989-774-1640.

The program leading to the Doctor of Health Administration degree is designed to provide advanced academic, relevant, and professionally-oriented education. The DHA degree is not for individuals wishing to gain a degree to enter the field, rather it is designed for professionals already in the field. The curricular and learning outcome objectives of this applied doctorate program are directed toward preparing individuals with the theoretical foundations, applied skills and practical expertise required for leadership positions within the healthcare industry. Emphasis will be given to imparting and advancing skills that foster life-long learning, systematic investigation and testing of practices and operational models via data/evidence-based strategies, and the public dissemination, and reporting of new findings within the field. The intent of the program is to provide advanced knowledge, skills, and abilities to practicing health professionals in a convenient, yet rigorous academic environment.

The program course of study is delivered in a sequenced manner of fifteen internet-based courses, six intensive face-to-face two and a half-day seminars, a general comprehensive examination, and an applied research dissertation. Students matriculating into this program cannot be granted prior experience credit toward semester credit hour degree requirements. Students matriculating into the DHA program may, with the approval of the program, transfer up to six (6) credits of course work taken in another regionally accredited doctoral program. The applicant must request the transfer and identify which courses he/she wishes to transfer. The DHA Program will review the request and make a determination as to the relevancy of the courses to the program, whether the courses are equivalent to any of the DHA courses, and whether the request will be granted. No transfer credits will be accepted to meet the dissertation requirement nor DHA 714 or DHA726. The applicant must have earned at least a B grade on any course being requested to transfer. The applicant needs to submit a transcript showing the courses, a course description and the syllabus for the course. A new group of students will begin studies each year. Each student will be assigned an advisor for the didactic portion of the program. Using a modular format, fifteen courses and six intensive seminars during the first two years of the program comprise the didactic portion of the program. The successful completion of a comprehensive examination at the end of the didactic portion of the program will transition the student to doctoral candidate status where the doctoral candidate will begin their dissertation preparation, proposal, implementation, defense to their doctoral committee, and reporting. During the dissertation phase, each student will work closely with a dissertation advisor/major professor. The didactic portion of the program carries fifty-one (51) semester credit hours and the dissertation portion carries twelve (12) semester credit hours for a total of sixty-three (63) semester credit hours for the entire program. Students choosing the three-year option will enroll in two (2) courses per term and generally begin on the dissertation in the third year after the passing the comprehensive examination. Those choosing the five-year option will normally enroll in one (1) course per term and generally begin the dissertation in the fourth year after passing the comprehensive examination.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

ADMISSION REQUIREMENT SNAPSHOT

Application Deadline: April 1 (Fall)

TOEFL or ECFMG accepted for English Proficiency

See Admission Requirement Details Below

The minimum requirements and standards for applicant admission to the program include the following criteria:

- An earned regionally accredited master's degree in an appropriate area of study (e.g., health administration, business administration, nursing management, public health, public administration) or a professional degree (e.g., M.D., D.O., D.D.S.). Other areas of graduate study at the master's degree level will be considered by petition to the faculty. GPA will be considered in the admissions process.
- Satisfactory completion of graduate coursework or equivalent must be provided as evidence by student applicants in the areas of health economics or economics, finance, statistics, administration/management, and organizational development/behavior.
- Demonstration of at least three (3) years of responsible experience at the mid to senior level in health administration, management, clinical leadership, and/or health or public health policy. While it is not necessary to be a manager, the applicant must demonstrate that he/she has significant influence in decision making, planning, clinical programming, policy or other aspects of health beyond being in a staff role or supervisory role. The determination of what is considered significant, mid to senior level experience is made by the Program director.
- Oral and written English language proficiency. Applicants whose native language is not English will be required to submit the results of the Test of English as a Foreign Language (TOEFL) scores or another test of English equivalency (such as the ECFMG for physicians who were foreign medical students). This requirement may be waived if prior academic experience and success in other United States colleges/universities or employment settings can be satisfactorily demonstrated.
- Submission of a career goal statement and a current curriculum vitae or resume.
- Submission of a research paper based on a premise that the DHA Program Office will provide to applicants. The instructions for how to prepare the paper will be provided at time of application inquiry.
- At least three (3) letters of recommendation from professional colleagues that speak to the applicant's potential to do doctoral work, transcripts and other documentation customarily required for admission to Graduate Studies will be required.
- Successful completion of an admission interview with the program faculty.
- Students admitted to the Program must attend the new DHA student orientation on CMU's main campus. If an admitted applicant cannot attend the orientation, he/she will need to defer to the next year.

Retention and Graduation Requirements:

Students must maintain a 3.00 GPA for graduation with no more than two (2) grades of C or C+ in the required courses for the degree. Students are only allowed to repeat a course twice to earn a higher grade. Students must pass the comprehensive examination in order to declare candidacy for the degree. A student may not register for dissertation credits until they have declared candidacy. Students may only repeat the comprehensive examination twice.

Required Courses I (24 hours)

DHA 700 - Leadership Strategies for Healthcare Policy and Organizations 3(3-0)
 DHA 702 - Probability and Statistics for the Health Professions 3(3-0)
 DHA 704 - Population Health 3(3-0)
 DHA 705 - Seminar in Public Health 1(1-0)
 DHA 706 - Quantitative Analysis in Health Organization 3(3-0)
 DHA 708 - Organizational Theory and Behavior for the Health Professions 3(3-0)
 DHA 709 - Seminar in Health Dynamics: Current Issues, Trends and Change 1(1-0)
 DHA 710 - Qualitative Analysis in Healthcare 3(3-0)
 DHA 712 - Research Methods and Practice for the Health Professions 3(3-0)
 DHA 713 - Seminar in Health Services Research 1(1-0)

Required courses II (27 hours)

DHA 714 - Health Systems Thinking and Practice 3(3-0)
 DHA 716 - Communication in Health Organizations 3(3-0)
 DHA 717 - Seminar in Healthcare Dynamics: Stakeholder Relations 1(1-0)
 DHA 718 - Healthcare Law, Regulations and Ethics 3(3-0)
 DHA 720 - Health Economics 3(3-0)
 DHA 721 - Seminar in Healthcare Policy and Politics 1(1-0)
 DHA 722 - Health Informatics 3(3-0)
 DHA 724 - Fiscal Responsibility and Accountability for Health Entities 3(3-0)
 DHA 725 - Seminar in Strategic Planning for Health Organizations 1(1-0)
 DHA 726 - Applied Leadership 3(3-0)
 DHA 728 - Comparative Health Systems 3(3-0)

Required Courses III (12 hours)

DHA 898 - Dissertation 1-12(Spec)

Total: 63 semester hours

Graduate Certificate in International Health

Minimum Totals for Graduation: 15 - 18 hours

The Graduate International Health Certificate is designed to provide a structured curriculum leading to knowledge, skills and abilities relevant to international health as well as provide a marketable credential for students achieving the certification. The certificate program will emphasize international travel as a key component of the curriculum, recognizing international travel as fundamental to learning about international health. The objectives of the program center on facilitating a better understanding of international health issues and opportunities, the role of cultural differences in health and wellness, comparative health systems, and cross-cultural communication. Students enrolling in the certificate program must be admitted to the university as graduate students and be in good academic standing with Graduate Studies. Students interested in the program should speak with a faculty member in the Health Administration Division, School of Health Sciences for program details and advisement. The certificate curriculum is as follows:

Required Courses I (5-6 hours)

HSC 516 - Travel Course in Health Education 1-15(Spec)
 HSC 552 - International Health Systems, Organizations and Policy 3(3-0)

Note: HSC 516 for Required Courses I must be different from HSC 516 listed in Required Courses II and Electives.

Required Courses II (2-3 hours)

HSC 516 - Travel Course in Health Education 1-15(Spec)

Note: This course must be different from HSC 516 listed in both Required Courses I and Electives.

Required Courses III (3 hours)

Select one of the following:

DHA 704 - Population Health 3(3-0)
 DHA 728 - Comparative Health Systems 3(3-0)

Electives (3-8 hours)

Select from the following:

ANT 520 - Medical Anthropology 3(3-0)
 COM 667 - Seminar in Intercultural Communication 3(3-0)
 HSC 504 - International Health Education 3(3-0)
 HSC 516 - Travel Course in Health Education 1-15(Spec)
 IPS 597 - International Program Studies 1-36(Spec)
 PSC 551 - Seminar in International Relations 3(3-0)
 PSC 555 - International Law I 3(3-0)
 SOC 506/ANT 506 - Comparative Cultural Systems 3(3-0)
 SOC 514 - Sociology of Health and Illness 3(3-0)

Note: If chosen, the elective HSC 516 course must be different from the two required HSC 516 courses above.

Total: 15-18 semester hours

Graduate Certificate in Health Systems Leadership

Minimum Totals for Graduation: 18 hours

The Graduate Certificate in Health Systems Leadership is designed for graduate level students who want to gain education in healthcare administration and management, but do not necessarily want or need a master's degree because they already possess a graduate degree in another field or they are already practicing in a healthcare profession. The certificate is designed to provide academic knowledge and training in healthcare administration and operations with a compliance focus. The six courses in the certificate are similar to the core healthcare administration curriculum and content one would obtain in a master's degree in the field. It is anticipated that a student can earn the certificate in conjunction with another degree program and in some cases include the six courses as a concentration in a distinct degree program. This option is dependent on the other degree program and its requirements. For example a student earning the MD degree might complete the certificate while completing the requirements for the medical degree. Interested students should discuss such options with an academic advisor or their academic program director. Course work includes content in healthcare law, compliance, operations, administration, health economics, policy, marketing, planning, and healthcare finance. Students can find employment in a variety of healthcare settings in administrative or management positions. Potential students interested in the graduate certificate should speak with a faculty member in the Health Administration Division of the School of Health Sciences or an admissions representative from CMU Global Campus. Students enrolling in the graduate certificate must be admitted to the University as a graduate student and be in good academic standing with Graduate Studies. The certificate may be taken either online or in the classroom where offered by the University or in combination between classroom and online.

ADMISSION REQUIREMENTS, RETENTION & TERMINATION STANDARDS

To be admitted to the Graduate Certificate, a student must have an earned undergraduate degree from a regionally accredited university in the United States or an equivalent degree if from a non-U.S. college or university. The student must have an undergraduate cumulative GPS of at least a 2.7, with a 3.00 being optimal. Prerequisite course work in accounting, economics, statistics, and English composition must have at least a 2.00 Grade Point (C or above). Central Michigan University equivalent courses would be ACC 201, 202, or 250; ECO 201, 202, or 203; STA 282 or PSY 211QR; and ENG 101 and 201. International students must meet the language requirements of Graduate Studies.

Students must complete an application for admission as a graduate student at the University and meet the admission requirements for graduate status. There is no requirement for a GMAT, GRE or similar entrance examination; however, if a student wishes to submit scores from these examinations they can be considered in the application process. Admission and enrollment in the program can occur at the beginning of any term. Students must also submit official transcripts from any degree program attempted or completed and three letters of reference from people who can comment on the applicant's ability to do graduate level work.

Students must maintain a 3.00 cumulative GPA to graduate with the certificate. Courses where a grade of C- or lower is earned do not count for graduation and must be repeated for a satisfactory grade. Students who do not maintain a 3.00 cumulative GPA may be considered for academic probation or suspension from the certificate. A student cannot have more than two courses with a C or C+ grade for graduation.

Transfer credits: A maximum of 6 semester hours may be transferred into the certificate from another graduate degree program from a

regionally accredited university or college, providing that the student earned a grade of B or better in the course and the course being requested for transfer is equivalent to one of the courses in the certificate. Courses used for a previously awarded graduate degree or graduate certificate may not be counted toward the graduate certificate.

Students who do not have any healthcare administration or management experience may wish to consider doing an internship type experience when they complete the requirements for the certificate since such experiences may enhance their opportunity for employment. Such internships may be done by enrolling in HSC 595 or could be an experience arranged by the student independent of the University.

Required Courses (18 hours)

HSL 611 - Healthcare Administration and Ethical Compliance 3(3-0)
 HSL 621 - Healthcare Operations and Structures 3(3-0)
 HSL 631 - Healthcare Law, Compliance and Risk Management 3(3-0)
 HSL 641 - Health Economics and Policy Implication 3(3-0)
 HSL 651 - Fundamentals of Healthcare Finance 3(3-0)
 HSL 661 - Healthcare Planning & Marketing 3(3-0)

Total: 18 semester hours

Course Descriptions

Listed here are descriptions for courses in the DHA, Au.D., MSA, MA, Bachelor of Science, Bachelor of Applied Arts degrees and graduate certificate curricula. Not all courses are available at all program centers. Other course descriptions not listed here are listed in the CMU undergraduate or graduate Bulletins. These catalogs are available in program center offices.

A student may register for a class only if he or she has met the prescribed prerequisites or the requirements stated in this Bulletin. Procedures for granting exceptions vary by program. Students should check with their academic advisor to determine waiver procedures for their program.

Key to Designators

AAD	- Academic Advancement	HDF	- Human Development & Family Studies
ACC	- Accounting	HNS	- Environmental Health and Safety
AFL	- Air Force Leadership	HOA	- Hotel Administration (AT UNLV)
ACT	- Actuarial Science	HON	- Honors
AMS	- American Studies	HPS	- Health Professions
ANT	- Anthropology	HSA	- Hospitality Services Administration
ARB	- Arabic	HSC	- School of Health Sciences
ART	- Art	HSL	- Health Systems Leadership
ASL	- American Sign Language	HST	- History
AST	- Astronomy	HUM	- Humanities
ATR	- Athletic Training	IET	- Industrial and Engineering Technology
AUD	- Audiology	IND	- Interior Design
BCA	- Broadcast and Cinematic Arts	IPR	- Integrative Public Relations
BIO	- Biology	IPS	- International Program Studies
BIS	- Business Information Systems	ITC	- Information Technology
BLR	- Business Law and Regulation	JPN	- Japanese
BUS	- Business	JRN	- Journalism
CDO	- Communication Disorders	LAR	- Liberal Arts
CED	- Counselor Education and Personal Development	LAT	- Latin
CGL	- Cultural and Global Studies	LDR	- Leadership Studies
CHM	- Chemistry	LIB	- Library
CHN	- Chinese	MAR	- Marine Science
CNE	- Credit, no equivalent	MBA	- Master of Business Administration
COM	- Communication	MDP	- Media, Design, and Production
CPS	- Computer Science	MED	- College of Medicine
CRM	- Cultural Resource Management	MET	- Meteorology
CSD	- Communication Sciences and Disorders	MHA	- Master of Health Administration
DAN	- Dance	MGT	- Management
DBI	- DeafBlind Intervener	MKT	- Marketing
DHA	- Degrees in Health Administration	MLE	- Middle Level Education
DOL	- Doctor of Organizational Leadership	MMD	- Multimedia Design
ECE	- Early Childhood Education	MPH	- Master of Public Health
ECO	- Economics	MSA	- Master of Science in Administration
EDL	- Educational Leadership	MSL	- Military Science and Leadership
EDU	- Teacher Education	MST	- Museum Science
EES	- Earth and Ecosystem Science	MTH	- Mathematics
EGR	- Engineering	MTR	- Music Theatre
EHS	- Education and Human Services	MUS	- Music
ELI	- English Language Institute	NSC	- Neuroscience
ENG	- English Language and Literature	OJB	- Ojibwe
ENS	- Environmental Science	PAD	- Public and Nonprofit Administration
ENT	- Entrepreneurship	PED	- Sports Instructional Program (Activity)
ENV	- Environmental Studies	PES	- Physical Education and Professional Courses
ESC	- Earth Science	PHA	- Physician Assistant
EUR	- European Studies	PHL	- Philosophy
FIN	- Finance	PHS	- Physical Science
FLN	- Foreign Language	PHY	- Physics
FMD	- Fashion Merchandising & Design	POR	- Portuguese
FNS	- Foods & Nutrition	PSC	- Political Science
FRN	- French	PSY	- Psychology
FYE	- First Year Experience	PTH	- Physical Therapy
GEL	- Geology	REL	- Religion
GEO	- Geography	RLA	- Recreation and Leisure Activities
GER	- German	RPL	- Recreation, Parks, and Leisure Services Administration
GRK	- Greek	RUS	- Russian
GRN	- Gerontology	SAM	- Science of Advanced Materials
		SCI	- Sciences
		SCJ	- Social and Criminal Justice
		SEP	- Sustainability and Environmental Policy
		SLP	- Speech-Language Pathology
		SOC	- Sociology
		SPE	- Special Education
		SPN	- Spanish
		SSC	- Social Sciences
		STA	- Statistics
		SWK	- Social Work
		TAI	- Theatre and Interpretation
		UNV	- Prior Learning
		WGS	- Women and Gender Studies

Key to Course Descriptions

Key to Course Descriptions

Course Numbers. The level of a course is indicated by the number. Usually it is expected that students will take courses appropriate to their classification. It is particularly important for freshmen to register for courses numbered below 200.

000-099	Credits in these courses do not apply to the minimum 124 hour requirement for graduation.
100-199	Primarily for Freshmen
200-299	Primarily for Sophomores
300-399	Primarily for Juniors
400-499	Primarily for Seniors
500-599	Advanced Undergraduate Courses

A student who has been formally admitted to the College of Graduate Studies and who takes courses numbered 500 or higher will receive graduate credit and, with the approval of the advisor, may apply it to a degree program.

600-699 Graduate Courses. Open only to students who have been admitted to the College of Graduate Studies. Undergraduate students should use the form available from the College of Graduate Studies website to apply to take a graduate course for undergraduate credit.

700-799 Graduate Courses. Open only to students who have been admitted to the College of Graduate Studies.

800-899 Graduate Courses. Open only to students who have been admitted to the College of Graduate Studies and who are in the third year of doctoral study or full time internship at the specialist level.

900-999 Graduate Courses. Open only to students who have been admitted to the College of Graduate Studies and who are in the fourth year of doctoral study.

Graduate courses which are subject to limitation under the policy on unspecified content or variable credit are listed in each department.

Non-Degree Courses

Courses numbered (DESIGNATOR) 589 - Professional Development (1-6) do not apply to degree requirements. These courses cover selected issues designed for professional development, in-service training to meet specific staff development needs in education, business/industry, allied health, technology, and other professional settings. They are not applicable to degree requirements.

Cross-Listed Courses

Cross-listed courses are those courses identified in the course listing as "identical to" another course. Credit may not be earned in more than one of these courses.

Credit and Attendance Hours

Central Michigan University complies with the federal credit hour definition. *"one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester"* 34CFR 600.2 (11/1/2010). This credit policy applies to all courses regardless of the delivery format. Laboratory, internship, practica, studio, and similar non-lecture courses will require at least an equivalent amount of work.

The number of semester hours of credit in each course is indicated by the first number following the title of the course. Within the parentheses, the first number indicates the number of hours of lecture per week; the second number, the hours of laboratory per week. EXAMPLE: 4(3-2) means four hours of credit, three hours of lecture, 2 hours of laboratory.

Prerequisites

Some courses listed as prerequisites may have their own prerequisites. You may need to plan more than one semester in advance when deciding which semester to take a particular course. Students seeking to substitute prerequisite courses with equivalents or permission of instructor may do so only with departmental approval. Such substitutions are not automatic.

Definitions

- **Prerequisite** – Any course(s) and/or other requirement(s) that must be completed prior to enrolling in a particular course.
- **Pre/Co-requisite(s)** – Any course and/or other requirement(s) that students may take prior to, or concurrently, with the particular course.
- **Co-requisite** – Any course and/or other requirement(s) that students must take concurrently with a particular course.
- **Recommended** – Any course and/or other requirement(s) that might be useful for students to complete prior to enrolling in a particular course.

Syntax Guidelines

- Multiple Course Requirements are separated by a comma. Example: ART 105, 115.
- Compound requirements are separated by a semi-colon. Example: ART 105, 115; Admission to the Teacher Education Program.
- Alternative courses are separated by "or." Example: ART 105 or 115.
- Multiple alternative courses are preceded by the use of "One of." Example: One of: ART 105, 115, 215.
- Default prerequisites. "or permission of instructor" and "or equivalent" are default prerequisites and therefore apply to any course. It is understood that students may contact a faculty member for permission to register for a class (with a bump card) or have previous coursework evaluated for equivalency (with a bump card). Thus, these phrases should not appear in course descriptions.
- "Or graduate standing" should appear only in 500 level classes to permit graduate students to register without CMU's undergraduate requirements.

Variable Credit Courses

Variable credit courses are indicated by a semester-hour designation such as 1-3(Spec). (Spec) means there are special arrangements regarding the number of hours spent in class. Maximum hours which a student may earn in a variable credit course to apply toward graduation are the highest number in the semester-hour designation for the course (i.e., three hours maximum in example listed above).

Distance Learning, Online, or Hybrid Courses

Distance learning courses include online courses, hybrid courses, and other courses that do not have the traditional face-to-face classroom format. Course approved for offering in a distance learning format are identified in each course description when the course is approved for distance learning, hybrid, or online.

Other Designation

- CR/NC Credit/No Credit, see index for more information.
- *Italic Type* Indicates the course is approved for the University Program
- Courses are listed in alphabetical order by designator.

ACC - Accounting

ACC 203 Essentials of Accounting for Business 3(3-0)

Basic concepts and principles of an accounting process used to develop financial reports and make management decisions for businesses and other entities. This course is approved for offering in a distance learning format. Prerequisite: MTH 105.

ACC 204 Accounting for Not-For-Profit Entities 1(1-0)

Students gain an understanding of accounting and financial reporting for not-for-profit entities. This course is approved for offering in a distance learning format. Prerequisite: ACC 203 with a minimum grade of C.

ACC 210 Accounting Information for Entrepreneurial Decision Making 3(3-0)

Introduction to principles of financial and managerial accounting, design of accounting systems, techniques of analysis and cost control. Interpretation of accounting information for decision making. Does not count for the School of Accounting major or minor. Identical to ENT 210. Credit may not be earned in more than one of these courses. ACC 210 may not be used as a substitute for ACC 201 or ACC 250. This course may be offered in an online or hybrid format.

ACC 730 Configuration, Control & Implementation of Global Accounting Systems using GRC 3(3-0)

Basic conceptual framework, design, implementation, and control of enterprise resource planning systems. This course is approved for offering in a distance learning format. Prerequisites: MBA 619.

ANT - Anthropology

ANT 170 Cultural Anthropology 3(3-0)

Comparative study of contemporary cultures and impact of globalization on cultural diversity, including methods and theories employed. May be offered as Writing Intensive. (University Program Group III B: Studies in Social Structures)

ANT 171 Human Origins: Introduction to Physical Anthropology 3(3-0)

Introduction to human and primate evolution, and the origin of human hereditary variations. (University Program Group II-A: Descriptive Sciences)

ANT 173 Laboratory in Physical Anthropology 1(0-2)

Laboratory practicum surveying the techniques and procedures by which evidence is developed and analyzed in studying human variation and evolution. Satisfies University Program Group II laboratory requirement. Pre/Co-requisite: ANT 171 or 110. (University Program Group II-A: Descriptive Sciences)

ANT 320 North American Indian Cultures 3(3-0)

Diversity of North American Indian cultures, their experiences of colonization and culture change, and their contributions to American and global cultures. This course may be offered in an online or hybrid format. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

ANT 322 Cultures of Africa 3(3-0)

Cultures of Africa, their history and contemporary diversity. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

ANT 506 Comparative Cultural Systems 3(3-0)

Explores theories of cultural development, with particular emphasis on urban and post-industrial cultures. Students investigate cultures different from their own. Identical to SOC 506. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format. Prerequisite: One anthropology or sociology course.

ART - Art

ART 106 Introduction to Drawing 3(0-6)

Introduction to drawing media and techniques with a focus on drawing from observation and to formal principles of composition and conceptual inventiveness.

ART 114 Understanding Digital Photography 3(3-0)

Introduction to the basic compositional skills and conceptual applications of digital photography. This course cannot be applied to any Art Major or Minor. This course is approved for offering in a distance learning format.

ART 126 Introduction to the Visual Arts 3(3-0)

To develop an aesthetic awareness, appreciation, and understanding of the visual arts through an introduction to media, formal analysis, and interpretation. This course may be offered in an online format. May be offered as Writing Intensive. (University Program Group I-B: The Arts)

ART 345 Art in the Elementary School 2(1-2)

This course investigates the essential role of art in adolescent learning. Requisite knowledge, skills, and pedagogies are acquired through readings, lecture, studio, and clinical practice. Prerequisite: Tier One – Pre-Admission of Candidacy to Teacher Education.

ASL - American Sign Language

ASL 100 Introduction to the Deaf Community and Deaf Culture 3(3-0)

An introduction to the audiological, social, linguistic, and cultural aspects of Deafness and the Deaf Community. This course may be offered in an online format.

AST - Astronomy

AST 111 Astronomy 3(3-0)

An overview of modern astronomy which illustrates the basic physical principles and methodologies underlying all the sciences. Topics include the solar system, stars and stellar systems, galaxies and cosmology. This course may be offered in an online or hybrid format. (University Program Group II-A: Descriptive Sciences)

AST 112 Introduction to Astronomical Observations 1(0-2)

The observation and interpretation of the sky using the naked eye, small telescopes, celestial globes, and star maps. Supplements AST 111 by providing observational experience. Satisfies University Program Group II laboratory requirement. This course may be offered in an online or hybrid format. Pre/Co-Requisite: AST 111. (University Program Group II-A: Descriptive Sciences)

ATR - Athletic Training

ATR 385 Special Topics in Athletic Training 1-6(Spec)

Selected topics/current issues of interest in athletic training not normally included in existing courses. Current course topic is listed in the semester Class Schedule. Repeatable up to 6 credits when content does not duplicate previous topics studied. This course may be offered in an online or hybrid format. Prerequisites: See semester Class Schedule.

ATR 585 Special Topics 1-3(Spec)

Exploration of selected topics in the field of athletic training, sports medicine or other health related areas. Topic and prerequisites will be printed in Course Search and Registration materials. Repeatable up to 3 credits with different topics. This course may be offered in an online or hybrid format. Prerequisites: Determined specific to the topic presented. See Course Search and Registration.

BCA - Broadcast and Cinematic Arts

BCA 101 History and Appreciation of the Cinema 3(2-2)

History and critical analysis of outstanding fiction films and filmmakers. Innovations from early silents to the present. This course may be offered in an online or hybrid format. (University Program Group I-A: Human Events and Ideas)

BCA 310 Understanding New Communication Technologies 3(3-0)

A study of new and emerging communication technologies applied in mass media industries with emphasis on industrial, social, public policy, and technological changes. This course may be offered in an online or hybrid delivery format.

BCA 525 Film Genre Study 3-9(Spec)

In-depth examination of selected film genres, themes and trends. Repeatable up to 9 hours when content previously studied is not duplicated. This course may be offered in an online or hybrid format. Prerequisites: Limited to juniors or above; or graduate standing.

BIO - Biology

BIO 101 General Biology 3(2-2)

The study of living organisms. Fundamental principles of biology are integrated with local and global issues of current interest. No credit toward Biology major or minor. May be used toward satisfying the requirements of Integrated Science major or minor for students seeking certification in Elementary education only. Credit may not be earned in more than one of: BIO 101, BIO 105, BIO 110, and 165. Satisfies University Program Group II laboratory requirement. This course may be offered in a hybrid or online format. (University Program Group II-A: Descriptive Sciences)

BIO 105QR Introductory Quantitative Biology 3(2-2)

Introduction to basic biological principles, including quantitative treatments of ecology, evolution, cellular processes, genetics and diversity. No credit towards Biology Major or Minor. This course may be offered in an online or hybrid format. Satisfies University Program Group II laboratory requirement. Quantitative Reasoning. (University Program Group II-B: Quantitative and Mathematical Sciences)

BIO 151 Human Biology 3(3-0)

An introduction to human biology as a scientific discipline, cell biology, genetics, homeostasis, selected organ systems, biotechnology and current issues. This course may not be used to satisfy the requirements for a Biology major or minor. This course may be offered in a hybrid or online format. (University Program Group II-A: Descriptive Sciences)

BIO 229 Nature Study 3(2-3)

Introduction to the ecology and evolution of organisms, populations, and communities of the Great Lakes Region. Emphasizes identification of characteristic flora and fauna. Does not count toward Biology majors or the Biology minor. This course satisfies the University Program Group II laboratory requirement. (University Program Group II-A: Descriptive Sciences)

BIO 240 Conservation of Natural Resources 3(3-0)

Ecological approaches to issues of global environmental sustainability, with emphasis on preservation of natural resources such as soil, water, forests, and wildlife. May be offered as Writing Intensive. (University Program Group II-A: Descriptive Sciences)

BIO 315 Human Genetics 3(3-0)

Inheritance in humans, including genetic mechanisms, human populations, medical syndromes, eugenics and genetic counseling. Does not count toward Biology major or the Biology minor. This course is approved for offering in a distance learning format.

BIO 338 Human Ecology 3(3-0)

The relationship of humans to their environment and the environmental consequences of human activities. Topics include climate change, biological invasions, biodiversity loss, emerging infectious diseases. Does not count toward biology majors or the biology minor. This course may be offered in an online format. This course may be offered as Writing Intensive.

BIO 351 Biological Science for Elementary Teachers 3(Spec)

Development of teaching methods and laboratory skills necessary for teaching of grades K-8. Prerequisite: BIO 101 or BIO 105.

BIS - Business Information Systems**BIS 100 Introduction to Business 3(3-0)**

Introduction to principles and problems of interrelated functions of business. Business organizations as social structures and their interaction with the domestic and global environments.

BIS 101WI Essential Business Communications Skills 3(3-0)

A focus on effective business communication skills and their impact on career success. This course may be offered in an online or hybrid format. Writing Intensive. Prerequisite: BUS 100.

BIS 104 Computers and Society 3(3-0)

Fundamental concepts and applications of computers. Impact of the computer on human events and social institutions. Control, predictions, and implications of future computer developments. Does not count on CPS major or minor. Identical to CPS 100. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format.

BIS 221 Computers In Business I 3(3-0)

The management-oriented study of computer information systems in business, including model building and decision support. Includes coverage of leading software packages used in business. This course is approved for offering in a distance learning format. Prerequisite: 26 credits completed with 2.0 minimum GPA.

BIS 255 Information Systems 3(3-0)

An introduction to the development and use of Information Systems (IS) in business, including the use of software applications to solve business problems. This course may be offered in an online or hybrid format. Prerequisites: GPA of 2.5 or higher; ACC 250; BLR 235; ECO 204; one of MTH 132 or 217 or STA 282 or 382; Co-requisite: ACC 255. For signed Accounting Majors, BLR 235 and ECO 204 may be co-requisites.

BIS 260WI Global Business Communication 3(3-0)

A focus on business communication skills necessary for success in the global business environment. This course may be offered in an online or hybrid format. Writing Intensive. Prerequisite: BUS 100 or BIS 100.

BIS 308 Visual Business Communication and Digital Media 3(3-0)

Evaluating and designing visuals and digital media in a business setting. Work of students contributes to a professional portfolio. This course may be offered in an online or hybrid format. Recommended: BIS 104 or CPS 100 or BIS 221 or BIS 255.

BIS 315 Social Media and Emerging Technologies in Business 3(3-0)

Design and implementation of social media strategies using emerging technologies in real-world business settings. This course may be offered in an online or hybrid format. Prerequisite: BUS 100 or BIS 100.

BIS 323 Spreadsheet-Based Modeling for Business 3(3-0)

The course focuses on the use of spreadsheets in business analytics. Students gain modeling/analysis skills necessary to address a wide variety of business problems. This course may be offered in an online format. Prerequisites: BIS 255.

BIS 342 Intercultural Business Communication Abroad 1-9(Spec)

Experiential learning based course incorporating study abroad. Students learn and demonstrate tools and knowledge necessary for interaction in a professional setting within a foreign culture. This course may be offered in an online or hybrid format.
Prerequisites: ENG 101 or BIS 101 or COM 101 or 195. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition, Option 2)

BIS 360 Applied Business Communication 3(3-0)

Expands understanding of the communication process as students apply business communication principles related to oral, written, and employment communication in a real-world setting. Prerequisite: 56 semester hours completed. Recommended: ENG 201.

BIS 456 Business Analytics Using SAP Software 3(3-0)

A study of business intelligence solutions using SAP software. Tools covered include SAP Business Warehouse (BW) and SAP BusinessObjects software. This course may be offered in an online or hybrid format. Prerequisites: BIS 247 or BUS 301.

BIS 470 Applied Business Communication Integrated Capstone 3(3-0)

Using effective business practices and collaboration in preparing and delivering appropriate business reports and communication as a logical approach to solving business problems. This course may be offered in an online format. Prerequisite: BIS 360; Admission to Professional Business Studies or listed on a signed major or minor.

BIS 495 Integrated Capstone: Applied Business Practices 3(3-0)

An integrative capstone course focusing on business practices in a real-world setting. Students work in small teams to generate positive outcomes for client organizations. This course may be offered in an online format. Prerequisite: BIS 470; Admission to Professional Business Studies or listed on a signed major or minor.

BIS 502 Network Fundamentals 3(3-0)

Basic concepts of network communication using the Open Systems Interconnection (OSI) model, as well as media, access protocols, routing, reliability, and network services. This course may be offered in an online or hybrid format. Prerequisite: Graduate student status or 86 hours undergraduate credits completed.

BIS 510 Network & Systems Security Fundamentals 3(3-0)

Developing Skills needed to effectively and accurately analyze security risks related to networks and related systems, including issues of authenticity, confidentiality, integrity, and availability. This course may be offered in an online or hybrid format. Prerequisites: BIS 380 or CPS 565.

BIS 520 Teaching & Training at the Post-Secondary Level 3(3-0)

Learning process, planning and delivering instruction and training, assessing learning, using technology, adult learners, and current research. Designed for collegiate-level business instructors or trainers. Prerequisites: BIS 350 or admission to the MSIS or MBA program or graduate standing. This course is approved for offering in a distance learning format.

BIS 521 Governance, Risk, & Compliance in Cybersecurity 3(3-0)

Investigating external and internal threats that compromise data and digitized intellectual property. Implementing effective policies for mitigating risks and security and remediation measures in organizations. This course may be offered in an online or hybrid format. Prerequisite: BIS 510.

BIS 523 Cybercrime Forensics 3(3-0)

Introduction to cybercrime and computer forensics. Exploring laws regulating electronic evidences along with establishing the basis for gathering electronic digital evidence and artifacts. This course may be offered in an online or hybrid format. Prerequisite: BIS 510.

BIS 525 Managing Security & Privacy in the Cloud 3(3-0)

Exploring cloud computing concepts, frameworks, and security/privacy issues related to cloud deployments. Evaluating relevant security approaches, security architecture, and cloud security policy and requirements. This course may be offered in an online or hybrid format. Prerequisite: BIS 510.

BIS 530 Cybersecurity, Systems, and Network Certification 3(3-0)

Building upon the ten security domains, uses the essential preparation tools and techniques to become a Certified Information Systems Security Professional. This course may be offered in an online or hybrid format. Prerequisite: BIS 510.

BIS 588 Business Analytics using GIS 3(3-0)

Addresses concepts and methods in Business Analytics using Geographic Information Systems (BAGIS) and the application of GIS in business research, finance, marketing, logistics and decision-making. This course may be offered in an online format. Prerequisites: BIS 255 or BIS 601 or MBA 610. Recommended: BIS 422 or BIS 638.

BIS 597 Special Studies in Business Information Systems 1-12(Spec)

Selected topics not normally included in existing courses, with current topics listed in Course Search and Registration. Repeatable up to 12 credits with different topics. This course may be offered in an online or hybrid format. Prerequisites: See Course Search and Registration.

BIS 601 Information Systems 3(3-0)

Introduction to the development and use of Information Systems (IS) in organizations, contemporary IS issues, and the use of software to solve business problems. This course may be offered in an online or hybrid format.

BIS 605 Communication in Professional Contexts 3(3-0)

Students will investigate the role of communication in professional contexts and continue to develop core abilities: audience analysis, writing, presentations, interpersonal communication, and intercultural communication. This course may be offered in an online format.

BIS 625 Research in Information Systems 3(3-0)

Addresses information systems (IS) research concepts and methods, and the application of concepts in planning and conducting IS research studies. This course may be offered in an online or hybrid format.

BIS 627 Web Site Development 3(3-0)

Development of web sites using Hypertext Markup Language (HTML), Cascading Style Sheet (CSS), client-side JavaScript, and XHTML to support business functions. This course may be offered in an online or hybrid format. Prerequisite: Admission to the Master of Science in Information Systems (MSIS) program.

BIS 628 Application Development 3(3-0)

This course involves designing and developing computer applications using a modern programming language. This course may be offered in an online or hybrid format.

BIS 630 Information Systems Process Management 3(3-0)

Overview of the system development life cycle covering information gathering, process analysis, and reporting activities from the analysis phase to the maintenance and support phase. This course may be offered in an online format.

BIS 633 Business Intelligence/Analytics 3(3-0)

A seminar on the information systems and tools used to aid intelligent decision making in contemporary business environment. This course may be offered in an online or hybrid format. Prerequisite: BIS 601.

BIS 634 Seminar in Information Systems Issues 3(3-0)

Overview of contemporary information systems issues. This course may be offered in an online or hybrid format.

BIS 635 Business Systems Applications 3(3-0)

A capstone, project-oriented study of the planning, analysis, design, implementation and testing of a business system application using modeling tools and available technology platforms. This course may be offered in an online or hybrid format. Prerequisites: BIS 630.

BIS 636 Systems Analysis and Design 3(3-0)

Introduction to the systems approach to the analysis, design and development of information systems. Methods, tools and technologies are used to develop information systems prototypes. This course may be offered in an online format. Prerequisite: Admission to the MSIS Program.

BIS 638 Database Management for Business Systems 3(3-0)

A broad overview of the development and use of database systems in business. The management of databases and their strategic implications will also be covered. This course may be offered in an online or hybrid format. Prerequisite: BIS 601.

BIS 647 Enterprise Systems for Management Using SAP Software 3(3-0)

Examination of the application and management of business enterprise software using SAP. Issues include software deployment that supports transaction processing in the business supply chain. This course may be offered in an online or hybrid format.

BIS 656 Business Intelligence Using SAP Software 3(3-0)

A study of business intelligence using SAP software. Enterprise data warehousing and business intelligence solutions are covered. The course may be offered in an online format. Prerequisites: BIS 601 and BIS 647.

BIS 657 ABAP Programming for ES 3(3-0)

Application of ABAP programming language to implement business processes using the SAP system as an example of contemporary enterprise software. This course may be offered in an online or hybrid format. Prerequisites: BIS 628 and BIS 647.

BIS 658 Enterprise System Configuration Using SAP Software 3(3-0)

Configuration issues, concepts, and application of enterprise software (SAP) for global business organization integration. This course may be offered in an online or hybrid format. Prerequisites: BIS 630, 647.

BIS 660 Managerial Communication 3(3-0)

Developing and refining business communication skills for effective transmission of technical information through oral, written, and non-verbal formats. This course may be offered in an online format. Prerequisite: Admission to the MSIS Program.

BIS 698 Information Systems Project 3(3-0)

A capstone, project-oriented study of the planning, analysis, design, development, implementation and testing of information systems projects using modeling tools, databases, and advanced programming languages. This course may be offered in an online format. Prerequisites: Completed 24 hours in the MSIS Program, BIS 605, BIS 628, 636, and 638.

BLR - Business Law and Regulation**BLR 202 Legal Environment of Business 3(3-0)**

Introduction to the concept and use of law as a social institution. Open to both nonbusiness and business students. BLR 202 may not be applied toward the University Program requirements if a student is earning the Bachelor of Science in Business Administration degree. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Global Cultures)

BLR 235 Business Law 3(3-0)

Introduction to law applicable to business transactions; case studies in torts, property, contracts, sales, agency, business organizations. Employment law. May be offered as Writing Intensive. This course may be offered in an online format. Prerequisites: BIS 101, Tier 1 Continuing Admission to Professional Business Studies.

BLR 297 Special Topics 1-6(Spec)

Experimental courses to cover material of special interest not covered in the regular curriculum. This course may be offered in an online format.

BLR 445 Personal Estate Planning 3(3-0)

Fundamentals of estate planning for personal use and professional training. Professional topics target applications in trust administration, accounting, and personal financial planning. Identical to FIN 445. Credit may not be earned in more than one of these courses. This course may be offered in an online format. Prerequisites: FIN 302, 307; FIN 310 or FIN 315; 56 semester hours completed. Pre-Co-requisite: FIN 347.

BUS - Business**BUS 100 Essential Business Skills 3(3-0)**

Introduces students to the concept of a business, its disciplines, and essential business skills including decision making, team work, and oral and written communication. This course is approved for offering in a distance learning format.

BUS 301 Integrated Business Experience 3(2-1)

Enterprise Resource Planning (ERP) applications emphasizing functional integration of business activities. An integrated business simulation experience links management decisions across organizations. This course may be offered in an online or hybrid format. Prerequisites: Tier 2 Admission to Professional Business Studies; ACC 255, BIS 255, MGT 258. Prerequisite/Co-requisites: FIN 302, MGT/MKT 303, MKT 304.

BUS 501 Project Management Fundamentals 3(3-0)

Covers foundational terms, concepts, and processes of project management, providing an opportunity to apply key elements of project management to a simulated project. This course may be offered in an online or hybrid format. Prerequisite: Graduate student status or 86 hours undergraduate credits completed.

BUS 503 Business Process Improvement 3(3-0)

This course applies principles and practices of Lean Six Sigma (LSS) and other operations improvements that have been demonstrated to bring value to business. LSS builds on a business statistics foundation. Prerequisites: STA 282 or 382; 56 semester hours completed.

BUS 505 Application of Project Management Principles 3(3-0)

Building on fundamentals, students analyze and apply project organization, staffing, and behavioral and qualitative skills in a simulated project to develop core project management competencies. This course may be offered in an online or hybrid format. Prerequisite: BUS 501.

BUS 507 Advanced Project Management Methodologies 3(3-0)

Evaluate and create project management solutions appropriate for projects/programs through the complete life cycle, using key processes and knowledge areas of project management. This course may be offered in an online or hybrid format. Prerequisite: BUS 505.

BUS 619 Voice of the Customer 3(3-0)

Examination of the marketing research methodologies utilized to capture the "voice of the customer" in a competitive marketplace. This course is approved for offering in a distance learning format. Prerequisites: Permission of the MBA director; graduate status.

BUS 629 Corporate Governance & Social Responsibility 3(3-0)

The study of corporate governance and social responsibility within the contemporary business world. This course is approved for offering in a distance learning format. Prerequisites: Permission of the MBA director and graduate status.

BUS 639 Process Improvement 3(3-0)

Process improvement as it relates to organizations within the contemporary business world. Methodologies, tools and techniques used for process improvement will be examined. This course is approved for offering in a distance learning format. Prerequisites: Permission of the MBA director; graduate status.

BUS 697 Special Topics in Business 1-12(Spec)

Special topics of interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course may be offered in an online or hybrid format. Prerequisites: Admission to MBA program, permission of the MBA director, and graduate status.

BUS 698 Integration of Business Processes for Management using SAP Software 4(Spec)

Examination of how business processes interact with mySAP ERP in the SAP modules including the analytical and reporting functions in mySAP ERP CR/NC only. Prerequisites: An SAP course taken at CMU or permission of the MBA director.

CDE - Planned Experience**CDE 291 Planned Experience in Community Development 1-15(Spec)****CDE 491 Planned Experience in Community Development 1-15(Spec)****CDO - Communication Disorders****CDO 130 Normal Speech and Language Acquisition 3(3-0)**

Study of normal acquisition of language and speech of children examined on the basis of current linguistic theory. (University Program Group III-A: Behavioral Sciences)

CDO 230 Introduction to Speech, Language, and Hearing Disorders 3(3-0)

Aspects of speech-language pathology and audiology for elementary, secondary, and special education teachers, parents, and allied professionals in the management of speech, language, and hearing disorders. This course is approved for offering in a distance learning format.

CDO 278 Normal Speech Developmental/Descriptive Phonetics 3(3-0)

Study of speech sound acquisition emphasizing broad and narrow transcription of normal and disordered American English speech sound production using the International Phonetic Alphabet.

CDO 330 Language Development 3(3-0)

Study of language development in normally developing children from birth through adulthood; oral language sample analysis; language characteristics in disordered language learners.

CDO 331 Introduction to Audiology 3(3-0)

Anatomy and basic psychophysics of hearing; pathologies causing hearing loss; quantitative measurements of hearing; practice in testing. This course is approved for offering in a distance learning format.

CDO 335 The Anatomy and Physiology of Speech and Hearing 3(3-0)

Anatomical structures and functions for speech and hearing.

CDO 537 Special Topics in Communication Disorders 1-9(Spec)

Current topics for each semester listed in Course Search and Registration. 3 hours each; maximum credit 9 hours.

CDO 550 Communication Assessment and Intervention in Children with Autism Spectrum Disorders 3(3-0)

This course examines procedures for assessment of communication, language, and speech of students with autism spectrum disorders, and reviews strategies for enhancing communication and language. Prerequisites: SPE 530; senior or graduate status.

CDO 782 Evaluation and Management of Vestibular Disorders 3(3-0)

Review of the anatomy, physiology of balance, differential diagnostic procedures such as videonystagmography, posturography and rotational testing, and the rehabilitation of the balance disordered patient. Prerequisites: admission to the Au.D. program. This course may be offered in an online or hybrid format.

CDO 783 Advanced Electrophysiological and Vestibular Techniques in Audiology 3(3-0)

Study of advanced electrophysiological and vestibular techniques in audiology such as ECoG, AMLR, ALR, P300, ENOG, cVEMP, oVEMP, SVV, VRT and high frequency vestibular tests. Prerequisites: admission to the Au.D. program. This course may be offered in an online or hybrid format.

CED - Counselor Education and Personal Development

CED 101 Career and Self-Exploration 1(1-0)

This course prepares students with self-awareness, career awareness, and academic awareness skills leading to career development. This course may be offered in an online format.

CED 502 Student Development in Higher Education 3(3-1)

The college student personnel movement, its social, psychological, and cultural foundations. Student development functions; career program models; legal, ethical, and professional considerations; role of professionals. This course is approved for offering in a distance learning format. Prerequisites: Junior standing or graduate status.

CED 555 Human Relations Skills 3(3-0)

An introduction to the theories, skills, and models utilized in developing helping relationships in organizations. This course may be offered in an online format. Prerequisites: Senior standing or graduate status.

CED 603 Introduction to Clinical Mental Health Counseling 3(3-0)

This course includes survey of historical, cultural, and political dimensions and trends in community mental health. This course may be offered in an online format.

CED 604 Introduction to School Counseling 3(3-0)

This course provides a history and philosophy of school counseling programs. The role and function of school counselors will be explored.

CED 605 Introduction to Couple and Family Counseling 3(3-0)

This course is an entry-level graduate course that provides an overview of professional identity and professionalism in marriage, family, and couples counseling. This course may be offered in an online format.

CED 608 Clinical Skills in Couple and Family Counseling 3(3-0)

This course provides an overview of relevant topics, theories, and interventions for working with couples and families that affect relationships and influence individual behavior. This course may be offered in an online format.

CED 610 Career Counseling 3(3-0)

This course provides a critical survey of theories, techniques, and trends in career counseling. This course may be offered in an online format.

CED 611 Developmental Career Counseling 3(2-1)

Critical survey of career development theories. Application of concepts and strategies of career exploration. Students participate in a supervised experience in teaching career exploration techniques. Prerequisite: Graduate status. Recommended: Completion of, or concurrent enrollment in, CED 650.

CED 615 Postsecondary Planning for School Counselors 3(3-0)

This course is designed to prepare school counselors-in-training to assist their future students in the process of planning for postsecondary educational options. Prerequisite: CED 604.

CED 617 The Counseling Supervisor 3(3-0)

This course provides an overview of the empirical literature, ethics, and techniques of clinical counseling supervision. This course may be offered in an online format. Prerequisites: Graduate status.

CED 620 Introduction to Multicultural Issues in Counseling 3(3-0)

This course is an examination of research and practice issues relating to counseling culturally specific groups with special emphasis on the client/counselor relationship.

CED 630 Ethics & Consultation in Counseling 3(3-0)

This course provides a supervised discussion of legal, ethical, and consultation issues that affect the profession. This course may be offered in an online format.

CED 640 Assessment in Counseling 3(3-0)

This course prepares trainees to assist in selection, evaluation, and interpretation of various counseling assessments with emphasis on assessments appropriate to trainees' future work settings. This course may be offered in an online format. Prerequisite: Regular Admission to the M.A. in Counseling Program.

CED 641 Introduction to Counseling for Addictions 3(3-0)

This course introduces the presentation and application of basic theories, techniques and resources for dealing with a broad range of addictive behavior, both substance related and behaviorally focused. This course may be offered in an online format.

CED 642 Neuropsychopharmacology 3(3-0)

This course provides an introduction to the neurological, behavioral, psychological, physical, and social effects of psychoactive substances. This course may be offered in an online format. Prerequisites: CED 641; admission to M.A. in Counseling program.

CED 643 Etiology of Addiction 3(3-0)

This course introduces students to the potential causes of and reasons for addiction. This course may be offered in an online format. Prerequisite: CED 641.

CED 644 Addiction Oriented Systems and Methods of Care 3(3-0)

This course will address addiction oriented systems and proper methods of care, as well as assessment, testing, screening, wellness, and prevention. It provides a clearer understanding of the unique characteristics and policies of addiction focused treatment environments and modalities. This course may be offered in an online format. Prerequisite: CED 641.

CED 645 School Counseling Seminar 3(3-0)

This course utilizes discussion and individual investigation into topics and critical incidents germane to schools. Recommendations and solutions by professionals in the field are reviewed. Prerequisite: CED 604.

CED 650 Theories and Techniques of Group Counseling 3(3-0)

The application of group theories and techniques, interpersonal communication skills, and the assessment of group counseling interventions. Prerequisite: Regular admission to M.A. in Counseling. Pre/Co-requisite: CED 660.

CED 651 Counseling Children and Adolescents 3(3-0)

This course provides students with specialized skills for counseling children and adolescents. It emphasizes the modification of interventions to meet the needs of young clients. Prerequisites: CED 665, 677.

CED 660 Counseling Techniques 3(3-0)

This course is a systematic study of the counseling process: stages, intervention strategies, and related issues. Both cognitive and experiential approaches will be used. Prerequisites: CED 677; Regular Admission to the M.A. in Counseling Program.

CED 665 Personal and Professional Development Across the Lifespan 3(3-0)

This course addresses the influence of developmental and environmental factors on human behavior, including physical, social, and psychological aspects, and implications for counselors.

CED 668 Family Counseling and Therapy 3(3-0)

This course involves the application of counseling skills and interventions using systems and post-modern theories of marriage, couple, and family therapy.

CED 677 Counseling Theories 3(3-0)

Examination of psychological foundations of counseling theories. The course facilitates students' development of a personal counseling theory. This course may be offered in an online format. Prerequisite: Conditional admission to the counseling program.

CED 679 Crisis and Trauma Counseling 3(3-0)

This course provides the foundation for best professional practice in crisis counseling by facilitating critical analysis of issues and applying intervention techniques.

CED 684 Grief and Loss Counseling 3(3-0)

This course is an examination of theories of grief and loss, and the approaches appropriate for therapeutic interventions designed to mitigate their effects. This course may be offered in an online format.

CED 685 Counseling Aspects of Grief and Loss 3(3-0)

An introduction to the dynamics of grief and loss and the counseling procedures appropriate for therapeutic intervention. This course may be offered in an online or hybrid format.

CED 686 Psychopathology 3(3-0)

This course covers the history, theoretical approaches, and current concepts in the study of psychopathology. This course may be offered in an online format. Prerequisites: CED 677, 699.

CED 690 Counseling Practicum 1-6(Spec)

Supervised counseling of individuals, families, couples and children. Observation and critique of peer counseling sessions. CR/NC only. Prerequisites: CED 660 with grade of B or better; regular admission to the M.A. in Counseling program.

CED 691 Internship 1-6(Spec)

Clinical experience in selected settings managing a client caseload under qualified supervision. CR/NC only. Prerequisites: Six credits of CED 690.

CED 695 Research in Counseling 3(3-0)

Presentation and application of designs and procedures pertinent to conducting research in the field of counseling. This course may be offered in an online format. Prerequisite: Regular Admission to the M.A. in Counseling.

CED 696 Independent Research 3(Spec)

Completion of research project under the supervision of a faculty advisor. Prerequisite: Successful completion of CED 695 or graduate research methods course.

CED 698 Thesis 1-6(Spec)

CR/NC only. For Master's degree candidates. Prerequisites: CED 695.

CED 699 Diagnosis & Treatment Planning in Counseling 3(3-0)

This course provides an overview of the diagnosable mental and emotional disorders and appropriate intervention methods. This course may be offered in an online format. Prerequisite: CED 677.

CED 750 Advanced Group Facilitation 3(3-1)

Survey of differing styles of group facilitation. Elements in the helping relationship which improve the quality of interpersonal relationships. "Self-in-therapeutic-interaction" incorporated into a supervised experience. Prerequisites: Regular admission to the M.A. in Counseling; CED 650; permission of instructor.

CED 751 Facilitation of Play Therapy Sessions 3(3-1)

Systematic inquiry into the use of play therapy and its relevance to the growth and development of children. Theoretical positions compared and appraised. Supervised experience. Prerequisites: Regular admission to the M.A. in Counseling; permission of instructor.

CGL - Cultural and Global Studies**CGL 350 Latino Culture in the U.S. 3(3-0)**

This course discusses broader issues of identity, opportunity, inequality, race, ethnicity and discrimination in U.S. Latino Culture. This course may be offered in an online format. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

CHM - Chemistry**CHM 101 Armchair Chemistry 3(2-2)**

An introduction to the science of chemistry, using equivalent portions of laboratory experiments and directed discussions. No credit toward chemistry or biochemistry major or minor. Satisfies University Program laboratory requirement. (University Program Group II-B: Quantitative and Mathematical Sciences)

CHM 111 The Interaction of Chemistry and Society 3(3-0)

The impact of chemistry on our environment. Emphasis on water, air, and environmental pollution. Recommended for elementary school teachers. No credit toward chemistry or biochemistry major or minor. No previous chemistry required.

CHM 112 Chemistry and Society Laboratory 1(0-3)

Elementary laboratory experiments which parallel CHM 111 and 120 lectures and investigate the impact of chemistry on our environment. Recommended for elementary/middle school education majors. No credit toward chemistry or biochemistry major or minor. Satisfies University Program Group II laboratory requirement. This course may be offered in an online or hybrid format. Pre/Co-requisite: CHM 111 or CHM 120. (University Program Group II-B: Quantitative and Mathematical Science)

CHM 120 Survey of Chemistry 4(4-0)

Elementary concepts in chemistry. For students on curricula needing minimal chemical background or students who need additional preparation for CHM 131. This course provides suitable preparation for the successful completion of the laboratory courses, CHM 112 or CHM 127. Cannot be counted on a Chemistry/Biochemistry major or Chemistry minor. This course may be offered in an online or hybrid format. Recommended: High school Algebra II or MTH 105. (University Program II-B: Quantitative and Mathematical Science)

CHM 127 Introductory Chemistry Laboratory 1(0-2)

Elementary laboratory experiments which parallel the syllabus for CHM 120. Recommended for students in dietetics, sports medicine, health education, and elementary/middle school education. No credit toward chemistry or biochemistry major or minor. Satisfies University Program Group II laboratory requirement. Pre/Co-requisite: CHM 120. (University Program Group II-B: Quantitative and Mathematical Science)

CHM 131 General Chemistry I 4(3-3)

Fundamental concepts of chemistry including stoichiometry, gas laws, thermochemistry, and molecular structure. CHM 131 is a first course for science majors. Satisfies University Program Group II laboratory requirement. Recommended: High school algebra or MTH 107; high school chemistry or CHM 120. (University Program Group II-B: Quantitative and Mathematical Sciences)

CHM 211QR Quantitative Analysis 4(3-5)

Analysis and interpretation of quantitative chemical information from volumetric, electrochemical, spectroscopic, and chromatographic techniques. This course may be offered in an online/hybrid format. Prerequisite: CHM 132 or 161. Recommended: MTH 107. Quantitative Reasoning.

CHM 509 Environmental Chemistry for Science Teachers 4(3-3)

For science teachers and prospective teachers of grades 4-12. Emphasis on environmental chemistry concepts and laboratory/field activity development for use in middle and high school. This course may be offered in an online or hybrid format. Prerequisites: 8 credit hours of college level Chemistry; 6 credit hours of education coursework; Senior or Graduate standing; admission to Teacher Education Program or valid teaching certificate. Recommended: College level Organic Chemistry and a Teaching Methods course.

CHM 571 Topics in Chemistry 1-9(Spec)

Special topics in chemistry presented at an advanced undergraduate - beginning graduate level. Course may be taken for credit more than once; total credit not to exceed nine hours. Prerequisites: See Course Search and Registration.

COM - Communication**COM 103 Oral Communication in the Online Environment 3(3-0)**

General education approach to theory and process of human communication, especially communication tailored for electronic media. This course may be offered in an online or hybrid format.

COM 195 Intercultural Communication 3(3-0)

Content focuses on how values, attitudes and beliefs influence communication among people from different cultural backgrounds. This course may be offered in an online or hybrid format.

COM 225 Introduction to Communication in Virtual Environments 3(3-0)

This course addresses the implications of communicating in virtual worlds. Concepts to be addressed include: identity construction, online relationships, collaborative work environments, and ethics. This course may be offered in an online format.

COM 357 Public Speaking 3(3-0)

Theories and techniques for creating public speeches. Designed for students who seek to improve public-speaking skills.

COM 361 Interpersonal Communication 3(3-0)

Assists the student in understanding the interpersonal communication process and in analyzing barriers to its effectiveness.

COM 365 Persuasion and Social Influence 3(3-0)

Application of theories and principles underlying attitude change. This course is approved for offering in a distance learning format.

COM 461 Communication in Leadership 3(3-0)

Theory and practice in leadership skills with special emphasis on oral communication. Examines leadership in both voluntary and non-voluntary organizations. This course may be offered in an online or hybrid format. Prerequisites: COM 251, 301 with C (2.0) or better; or LDR 200 and junior standing.

COM 511 Crisis Communication 3(3-0)

Current communication theories and practices in organizational crisis management and external crisis communication. Emphasis on public relations and communication. This course may be offered in an online format. Prerequisites: COM 251, 301, with a grade of C (2.0) or better and completion of 56 credit hours; or JRN 350, 369 with a grade of C (2.0) or better and completion of 56 hours; or graduate standing.

COM 525 Virtual Team Communication 3(3-0)

Examines communication issues and best practices for successful virtual teams. Includes processes for developing and maintaining virtual team identity/roles, leadership, performance, project planning/organization, and evaluation. This course may be offered in an online format. Prerequisites: COM 225; COM 251, 301 with a C or better; or graduate standing.

COM 527 Political Communication 3(3-0)

This course considers the influence of political communication in American society. The course addresses the connections between political discourse, the American people, and the media. Prerequisites: COM 251, 301 with a grade of C or better; junior standing.

COM 560 Communication and Social/Organizational Change 3(3-0)

Research and methods of communicating changes into existing social systems. This course may be offered in an online or hybrid format. Prerequisite: COM 251, 301, with grades of C or better; or IPR major with junior standing; or graduate standing.

COM 561 Communication in Conflict Management 3(3-0)

Theory, research, and practical application of managing conflicts through communication. Focuses on conflict between people in the contexts of family, group, and organizations. Prerequisite: COM 251, 301 with grades of C or better; or IPR major with junior standing; or graduate standing.

COM 563 Health Communication Campaigns 3(3-0)

Research and methods of communicating health messages for education and disease prevention. This course may be offered in an online or hybrid format. Prerequisites: COM 251, 301 each with a grade of C or better; or graduate standing.

COM 569 Communication in the Classroom 3(3-0)

Integrates research from several fields describing communication patterns between students and teacher-to-student within school settings. Designed for students interested in teaching or administration. Prerequisite: completion of 56 hours of undergraduate credit.

COM 665 Seminar in Communication and Negotiation in Employee Relations 3(3-0)

The course examines the role of communication and negotiation in the employee relations process within a work organization. This course may be offered in an online or hybrid format.

COM 667 Seminar in Intercultural Communication 3(3-0)

This course examines the theory, practice, and research related to the process of communication between people from different cultural backgrounds. This course is approved for offering in a distance learning format. Prerequisites: COM 600.

CPS - Computer Science

CPS 180 Principles of Computer Programming 3(3-0)

Algorithm development and problem solving methods. Design and development of computer programs in a structured programming language. Pre/Co-requisite: One of MTH 130, 132, 133, 217. (University Program Group II-B: Quantitative and Mathematical Sciences)

CPS 181 Introduction to Data Structures 3(3-0)

Continuation of CPS 180. Dynamic storage allocation, recursion, abstract data types (such as stacks, queues, linked lists, and binary trees), sorting and searching. Prerequisites: CPS 180; Corequisite: MTH 175.

CPS 280 Alternative Programming Languages 1-6(Spec)

Intensive study of one or more selected programming languages. Languages presented will be announced in Course Search and Registration. Students may not earn credit for a language in which they already have credit in one of the primary programming sequences. Prerequisite: CPS 181 or ITC 111.

CPS 282 Introduction to Multimedia Design 3(3-0)

Introduction to multimedia concepts. Survey of multimedia applications in fields such as education, business and entertainment. Introduction to multimedia authoring tools. Hands-on projects.

CPS 395 Internship in Computer Science 1-9(Spec)

Supervised work experience in computer science. Only 3 hours may count toward the major. Any additional hours must provide a significantly different educational experience. CR/NC only. Prerequisites: CPS 210 or ITC 291; permission of department chairperson.

CPS 420 Web Application Development - Web Services SOA 3(3-0)

Web-based applications focusing on server-side processing, data persistence, use of web services, Service Oriented Architecture, remote procedure calls, asynchronous messaging, transactions and security considerations. Prerequisite: CPS 340 or ITC 320. Recommended: ITC 341.

CPS 497 Independent Study 1-6(Spec)

Open to students with permission of instructor. May be taken for credit more than once, total credit not to exceed 6 hours.

CPS 501 Survey of Computer Science 3(3-0)

Computer organization, low and high level computer languages, various computer applications. Does not count toward CPS major or minor or the M.S. in Computer Science except the Teaching Minor in Computer Science on the secondary education curriculum. This course is approved for offering in a distance learning format.

CPS 510 Software Systems Engineering 3(3-0)

Covers requirements analysis and techniques to develop a system from those requirements. Credit will not be given for both CPS 410 and CPS 510. Does not count for the M.S. in Computer Science. Prerequisites: CPS 340; MTH 175. This course is approved for offering in a distance learning format.

CPS 603 Computer Information Systems 3(3-0)

Growth stages of computer usage, information flow, role of MIS manager in providing information to an organization. Does not count on the M.S. degree in computer science. Prerequisite: CPS 501. This course is approved for offering in a distance learning format.

CPS 612 Software Project Management 3(3-0)

Software engineering process, software project organization and management issues, software project economics, software quality assurance, software configuration management, software operations issues. Does not count for MS in Computer Science. Prerequisites: CPS 510. This course is approved for offering in a distance learning format.

DBI - Deafblind Intevener

DBI 101 Introduction to Deafblindness and Intervention 3(3-1)

Covers the diversity of the population that is deafblind, introduces the role of the intervener, and the practice of intervention for students who are deafblind. This course will be offered only in an online format.

DBI 201 Building Communication and Language Skills 3(3-1)

An introduction to communication and language development, with an emphasis on strategies for increasing the communication repertoires of students who are deafblind. This course will be offered only in an online format. Prerequisite: DBI 101.

DBI 301 Intervention Strategies and Teaming 3(3-1)

A range of strategies that can be used by interveners in the field, including teaming and collaboration. This course will be offered only in an online format. Prerequisite: DBI 201.

DBI 302 Intervention Practicum 3(Spec)

Final class for the Intervener Certificate Program. Student portfolios demonstrating the Council for Exceptional Children (CEC) Competencies for interveners are completed. This course will be offered only in an online format. Prerequisite: DBI 301.

DHA - Degrees in Health Administration

DHA 700 Leadership Strategies for Healthcare Policy and Organizations 3(3-0)

The course examines the role of leaders in improving healthcare organizations; and the relationship between leading organizations and influencing and understanding health policy. This course may be offered in an online or hybrid format. Prerequisite: Admission to the Doctor of Health Administration Program.

DHA 702 Probability and Statistics for the Health Professions 3(3-0)

This course examines statistical and quantitative techniques for problem-solving and decision-making to understand, collect, conduct and evaluate managerial, biomedical and scientific research. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 704 Population Health 3(3-0)

This course explores applied epidemiology in relation to population and health including standardizing information, marketing, community health technologies and monitoring health behaviors of target groups. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 705 Seminar in Public Health 1(1-0)

This seminar focuses on current issues in health promotion and disease prevention, applied epidemiology, community health concerns and how to positively impact health in communities. CR/NC only. This course is approved for offering in a distance learning format. Prerequisites: admission to the Doctor of Health Administration program.

DHA 706 Quantitative Analysis in Health Organization 3(3-0)

This course introduces statistical/quantitative techniques including general linear models, survey research methodology and research application cases, decision-making and problem-solving for health administration. Prerequisites: admission to the Doctor of Health Administration program; DHA 702. This course is approved for offering in a distance learning format.

DHA 708 Organizational Theory and Behavior for the Health Professions 3(3-0)

Integrating theory and concepts from organizational theory and behavior literature, this course provides applications to improve dynamic healthcare organizations throughout the continuum of care. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 709 Seminar in Health Dynamics: Current Issues, Trends and Change 1(1-0)

This seminar will examine current issues, trends and the change necessary to improve the health system using a variety of presentations, group interactions and discussion. CR/NC only. This course is approved for offering in a distance learning format. Prerequisites: admission to the Doctor of Health Administration Program.

DHA 710 Qualitative Analysis in Health Care 3(3-0)

Theory, concepts and tools used in designing and conducting qualitative health care research, informing policy analysis and facilitating decision support within the practice of health administration. This course is approved for offering in a distance learning format. Prerequisites: Admission to the Doctor of Health Administration program.

DHA 712 Research Methods and Practice for the Health Professions 3(3-0)

This course provides theoretical and applied concepts, techniques, procedures and technologies used in scientific inquiry and reporting for applied clinical, health administrative and managerial research. Prerequisites: admission to the Doctor of Health Administration program; DHA 702. Recommended: DHA 706. This course is approved for offering in a distance learning format.

DHA 713 Seminar in Health Services Research 1(1-0)

This seminar will examine research activity and reporting in the areas of health care financing, organization, delivery, access and outcomes of health services. CR/NC only. This course is approved for offering in a distance learning format. Prerequisites: admission to the Doctor of Health Administration program; DHA 712.

DHA 714 Health Systems Thinking and Practice 3(3-0)

This class examines systems thinking and organizational effectiveness. Students will practice using a variety of systems tools as applied to different organizational problems. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 716 Communication in Health Organizations 3(3-0)

This class examines the delivery and exchange of messages within health organizations. Contexts will include conflict, negotiating, networks, channel selection, knowledge management and public relations. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 717 Seminar in Healthcare Dynamics: Stakeholder Relations 1(1-0)

This seminar will examine the concept of leadership style and how healthcare executives can more effectively communicate with multiple stakeholders both inside and outside the organization. CR/NC only. This course is approved for offering in a distance learning format. Prerequisites: admission to the Doctor of Health Administration program.

DHA 718 Healthcare Law, Regulations and Ethics 3(3-0)

This course explores the legal and ethical issues found in the healthcare system, and investigates the healthcare administrator as decision-maker, leader and moral agent. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 720 Health Economics 3(3-0)

Foundational economic and specific health economic theory, trends, market issues and applications are presented to include health insurance and payment theory, practice and applications. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 721 Seminar in Healthcare Policy and Politics 1(1-0)

This seminar will examine the political, legislative and economic forces that influence healthcare policy and regulation development, implementation and consequences of policy and legislation. This course is approved for offering in a distance learning format. CR/NC only. Prerequisites: admission to the Doctor of Health Administration program.

DHA 722 Health Informatics 3(3-0)

This course focuses on the fundamental concepts and applications of managing information as a healthcare corporate assets, emphasizing converting data into information for decision support. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 724 Fiscal Responsibility and Accountability for Health Entities 3(3-0)

This course emphasizes financial management and financial operations theory, principles and concepts as they relate to healthcare organizational decision-making and accountability. Prerequisites: admission to the Doctor of Health Administration program. Recommended: DHA 720. This course is approved for offering in a distance learning format.

DHA 725 Seminar in Strategic Planning for Health Organizations 1(1-0)

This seminar will examine the concepts, processes and integration of management information systems, financial, human resource and marketing plans into an organizational strategic planning system. This course is approved for offering in a distance learning format. CR/NC only. Prerequisites: admission to the Doctor of Health Administration program.

DHA 726 Applied Leadership 3(3-0)

Practical application of leadership principles focused on issues such as governance, decision-making, motivation, empowerment, team building, change management, conflict resolution, accountability, credibility and ethics. Prerequisites: admission to the Doctor of Health Administration program. This course is approved for offering in a distance learning format.

DHA 728 Comparative Health Systems 3(3-0)

This is a capstone course in the Doctor of Health Administration program with a specific focus on global challenges and comparative effectiveness of health systems. This course is approved for offering in a distance learning format. Prerequisites: admission to the Doctor of Health Administration Program.

DHA 898 Dissertation 1-12(Spec)

The dissertation is the capstone of the academic program involving original research by student in conjunction with a committee resulting in a publishable document. CR/NC only. This course may be offered in an online or hybrid format. Prerequisites: Successful completion of the Doctor of Health Administration comprehensive examination; acceptance into Degree Candidacy by the College of Graduate Studies; and permission of the Program Director.

ECO - Economics**ECO 201 Principles of Macroeconomics 3(3-0)**

Provides understanding of basic principles of economics, methods of National Income accounting, inflation, unemployment, role of government, money and banking, monetary policy, and international economics. Credit may not be earned in more than one of ECO 201 and 204. ECO 201 may not be applied toward the University Program requirements if a student is earning the Bachelor of Science in Business Administration degree. This course may be offered in an online or hybrid format. (University Program Group III-B: Studies in Social Structures)

ECO 202 Principles of Microeconomics 3(3-0)

Introduction to scarcity, choice, and opportunity cost; supply and demand; welfare economics; household and firm behavior; competition and monopoly; resource markets. Credit may not be earned in more than one of ECO 202 and ECO 203. ECO 202 may not be applied toward the University Program requirements if a student is earning the Bachelor of Science in Business Administration degree. This course may be offered in an online or hybrid format. (University Program Group III-B: Studies in Social Structures)

ECO 515 Collective Bargaining and Labor Law 3(3-0)

Development of various phases of labor law, especially under statutes such as the Wagner Act, Taft-Hartley Act, and Landrum-Griffin Act. Prerequisite: ECO 201 or ECO 204; ECO 202 or 203. CR/NC option available.

EDL - Educational Leadership**EDL 325 Foundations of Higher Education 3(3-0)**

Students will examine the philosophy of history of higher education and student affairs. This course may be offered in an online format. Prerequisites: 24 completed credit hours.

EDL 360 Leading Diverse Teams 3(3-0)

Exploration of the uniqueness of socially-constructed identities by learning the process of leading diverse teams within an educational setting. This course may be offered in an online or hybrid format. Prerequisite: LDR 200.

EDL 452 Immersive Leadership in Educational Settings 3(3-0)

Examination of inclusion-based leadership tenets and efforts at an off- site educational institution. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 and 56 earned semester hours.

EDL 476 Outcome-Based Learning 3(3-0)

Development and assessment of learning outcomes within higher education settings. This course may be offered in an online or hybrid format. Prerequisite: LDR 200.

EDL 512 Assessment in Higher Education 3(3-0)

This course will examine assessment in higher education settings. Students will conduct assessments used in evaluation and accreditation protocols. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 and 80 earned semester credits or graduate standing.

EDL 516 Leadership for Social Justice 3(3-0)

Examination of social justice perspectives and their application to complex relationships found in and around institutions of learning. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 or graduate standing.

EDL 557 Helping Skills in Student Affairs 3(3-0)

Examination of the role of student affairs professionals as helpers through theoretical explorations and practical simulations. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 or graduate standing.

EDL 592 Professional Development in Educational Leadership 1-9(Spec)

Identification and study of emerging problems of educational leadership. This course may be offered in an online or hybrid format.

EDL 598 College Student Development 3(3-0)

Examination and application of relevant developmental theories and models for facilitating holistic student development. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 and EDL 557 or graduate standing.

EDL 600 Research for Educational Leadership 3(3-0)

Research concepts focused on the needs of educational leaders. Prerequisites: graduate status. This course is approved for offering in a distance learning format.

EDL 609 Administration of Volunteer Programs 3(3-0)

Develops skills necessary to organize a volunteer program or agency. Content includes recruitment, training, supervision, evaluation of volunteers and the development of community partnership programs. This course may be offered in an online or hybrid format.

EDL 610 Grants and Fund Procurement 3(3-0)

Grantsmanship skills for public and private funding. Students will explore funding sources, concept development, evaluation plans, budget preparation, proposal submission, and reviewer practices. This course may be offered in an online or hybrid format.

EDL 612 Methods and Techniques of Training and Development 3(3-0)

The course will examine the theory and research of training and development. Students will conduct and evaluate training and development programs. This course may be offered in an online or hybrid format.

EDL 615 Educational Technology for Administrators 3(3-0)

The development of knowledge, philosophy, skills and practical applications regarding technology for administrators. This course may be offered in an online or hybrid format.

EDL 620 Administration Within Diverse Populations 3(3-0)

Examination of critical issues, trends, and practices relative to cultural diversity that influences the organization and administration of school and other human service organizations. This course is approved for offering in a distance learning format.

EDL 622 Adult Literacy and Society 3(3-0)

A study of the theories of language and literacy and their relationship to the practices of adult education. This course may be offered in an online or hybrid format.

EDL 624 Planning for Instruction in Nontraditional Settings 3(3-0)

Analyze problems and issues in administration of learning programs for students located in nontraditional settings including prisons, malls, churches, factories, and other workplace situations. This course may be offered in an online or hybrid format.

EDL 626 The Adult Learner 3(3-0)

A study of learning in adulthood, how to facilitate that learning, and the characteristics of adult learners. This course may be offered in an online or hybrid format.

EDL 636 Higher Education Law 3(3-0)

An introduction to legal issues in higher education institutions. This course may be offered in an online or hybrid format.

EDL 645 Charter School Leadership 3(3-0)

Application of leadership and systems theories to the administration of charter schools. This course may be offered in an online or hybrid format.

EDL 650 Professional Studies: Special Topics 1-6(Spec)

Investigation and in-depth study of new knowledge or current problem areas. This course may be offered in an online or hybrid format.

EDL 652 Global Education Studies 3-12(Spec)

Study of educational systems in an international context. This will be a faculty-led trip and travel destinations will vary. This course may be repeated up to 12 credits if course content is different. This course may be offered in an online format.

EDL 656 Public School Law 3(3-0)

The law as it relates to education. This course is designed for students preparing for leadership positions in K-12 schools. This course may be offered in an online or hybrid format.

EDL 658 Teacher Leadership 3(3-0)

An introduction to teacher leadership providing teacher leaders the essential tools to be knowledgeable, reflective, ethical and transformational leaders. This course may be offered in an online or hybrid format

EDL 660 Principles of Educational Administration 3(3-0)

Philosophy and principles underlying the organization and operation of education in the United States. This course may be offered in an online or hybrid format.

EDL 661 School and Community Relations 3(3-0)

Public relations responsibilities of school board and staff members. This course may be offered in an online or hybrid format.

EDL 662 School Business Administration 3(3-0)

An exploration of school business and resource administration, personnel, and facilities management concepts, with emphasis on current factors affecting site-based administration. This course may be offered in an online or hybrid format.

EDL 663 Human Resources Administration 3(3-0)

The study of effective administration of school personnel issues. This course may be offered in an online or hybrid format.

EDL 667 Administration of Community Education 3(3-0)

Identification of community needs, and organization and management of new and ongoing programs. This course may be offered in an online or hybrid format.

EDL 669 Rural School Leadership 3(3-0)

Current and historical examination of the standards, principles, and practices of rural school leadership. This course may be offered in an online or hybrid format.

EDL 670 The Principalship 3(3-0)

Current standards, principles, and practices relative to school leadership and the Principalship. This course may be offered in an online or hybrid format.

EDL 675 Administration of Special Education 3(3-0)

Study of the organization and administration of special education programs. This course may be offered in an online format. Identical to SPE 640. Credit may not be earned in more than one of these courses.

EDL 676 Administration of Community Colleges 3(3-0)

Structure, organization, and management of the community college. This course may be offered in an online or hybrid format.

EDL 677 The American College Student 3(3-0)

An examination of American college population, how campus environments affect students' collegiate experiences, and how these cultural experiences affect students. This course may be offered in an online or hybrid format.

EDL 678 Emerging Issues and Reform Efforts in Educational Leadership 3(3-0)

This course will examine education reform initiatives and their relationship to emerging issues facing current and future educational leaders within the K-12 school system. This course may be offered in an online or hybrid format.

EDL 680 Teaching in Higher Education Settings 3(3-0)

Study of classroom teaching methods and practices in college environments. Review of active learning techniques, curriculum construction, and student-learning assessment. This course may be offered in an online or hybrid format.

EDL 681 Teaching with Technology in Higher Education Settings 3(3-0)

Learners will incorporate technology in their practice to enhance instructional effectiveness and increase student learning. This course may be offered in an online or hybrid format.

EDL 685 Introduction to Problem Solving in Educational Leadership 3(3-0)

An introductory examination of the knowledge and skills needed to communicate with organizational members to solve problems and resolve conflict in educational situations and organizations. This course may be offered in an online or hybrid format.

EDL 687 Independent Study 1-6(Spec)

Independent study. This course may be offered in an online or hybrid format. Prerequisite: permission of advisor.

EDL 688 Independent Study 1-6(Spec)

Independent study. This course may be offered in an online or hybrid format. Prerequisite: permission of advisor.

EDL 689 Independent Study 1-6(Spec)

Independent study. This course may be offered in an online or hybrid format. Prerequisite: Permission of advisor.

EDL 690 Administration of School Curriculum 3(3-0)

Study, analysis, and application of administrative principles to the development, implementation, and evaluation of the school curriculum. This course may be offered in an online or hybrid format.

EDL 694 Educational Leadership Capstone 3(3-0)

Capstone seminar to synthesize master's coursework in educational leadership at the P-12 school level. Students will synthesize theory and apply practice through a professional portfolio. This course may be offered in an online or hybrid format. CR/NC only.

EDL 695 Readings in Educational Leadership 1-3(Spec)

Independent readings on a specific topic in educational leadership. This course may be offered in an online or hybrid format. Prerequisite: Permission of advisor and instructor.

EDL 696 Higher Education Practicum 3(3-6)

A planned learning experience gained through first-hand observations and operational responsibilities under the direct supervision of a practicing higher education leader. This course may be offered in an online or hybrid format. CR/NC only. Prerequisites: Regular admission to the masters in higher education administration program in the Department of Educational Leadership. Completion of at least 9 core credits in the program. Approval of practicum application.

EDL 697 College Teaching Internship 3(3-6)

Under the direct supervision of a practicing college or university teaching mentor, student develops skills applicable to college-based teaching. CR/NC only. This course may be offered in an online or hybrid format. Prerequisites: Permission of Instructor, approval of internship application.

EDL 698 Master's Colloquium 3(3-0)

Capstone seminar to synthesize master's coursework. Students will apply theory to practice. This course may be offered in an online or hybrid format. Prerequisite: To be taken in the last semester of the MA in Higher Education Administration Program.

EDL 699 Leadership Internship 1-15(Spec)

A planned learning experience gained through first-hand observations and operational responsibilities under the direct supervision of a practicing educational leader. This course may be offered in an online or hybrid format. CR/NC only. Prerequisites: Regular admission and completion of a minimum of 9 credits in a master's or specialist program in the Department of Educational Leadership. Approval of internship application.

EDL 700 Educational Research Design 3(3-0)

Students will critically examine educational research and propose quantitative and qualitative research design. This course may be offered in an online format. Prerequisites: Admission to a doctoral program in educational leadership; EDL 890 or EDL 899.

EDL 705 The Ontario College System 3(3-0)

This course focuses on the history, philosophy, programs, and practices of the Ontario College System, including comparative analyses to other college systems nationally and internationally. This course may be offered in an online format.

EDL 710 Action Research 3(3-0)

The practical application of action research inquiry is examined to promote empirical decision-making in a variety of educational settings. This course may be offered in an online or hybrid format.

EDL 720 Survey Research Methods 3(3-0)

This course will introduce students to knowledge and skills needed to properly conduct survey research and to understand and critically evaluate survey research-based education studies. This course may be offered in an online format. Prerequisite: EDL 512 or 600 or 700.

EDL 731 Strategic Planning 3(3-0)

Identification of planning processes to set goals, establish implementation procedures, and evaluate processes and results. This course may be offered in an online or hybrid format.

EDL 745 Administration of the School District 3(3-0)

Study of the school district leadership with special emphasis on the role of the superintendent and district level administrators. This course may be offered in an online or hybrid format.

EDL 750 Professional Studies: Special Topics 1-6(Spec)

Investigation and in-depth study of emerging knowledge or current problem areas. This course may be offered in an online or hybrid format.

EDL 751 Program Evaluation and Review 3(3-0)

An introduction to program evaluation theory, design, development, and implementation is provided. Content will cover strategies to plan program evaluation and program review. This course may be offered in an online format.

EDL 752 Social Justice in Global Studies Education 1-12(Spec)

Study of social justice in education in an international context. Travel destinations will vary. This course may be repeated up to 12 credits if course content is different. This course may be offered in an online format.

EDL 757 Student Development Theory 3(3-0)

Introduction of student development theories regarding social identity, intellectual and moral development of college students; review of learning and personality theories for understanding student differences. This course may be offered in an online or hybrid format.

EDL 760 Leadership Theory and Practice 3(3-0)

Application of leadership and systems theories to the administration of educational programs. This course may be offered in an online or hybrid format.

EDL 761 School and Community Relations for the District Leader 3(3-0)

The role of the K-12 central office administrator in working with the community. This course may be offered in an online or hybrid format.

EDL 763 The Academic Profession 3(3-0)

Emphasizes the organization and function of academic affairs within a college or university. Topics include new faculty issues, academic leadership, curriculum development, and academic socialization. This course may be offered in an online or hybrid format.

EDL 764 Financing of Higher Education 3(3-0)

Students will analyze the funding of higher education and the complex relationship between finance and other aspects of higher education administration. This course may be offered in an online format. Prerequisites: Admission to the MA in Higher Education Administration Program.

EDL 765 Organizational Change in Educational Institutions 3(3-0)

Fundamental concepts, processes, and procedures concerning the change process. Focus will be on leading, implementing, and sustaining change in educational organizations. This course may be offered in an online or hybrid format.

EDL 766 Advanced Educational Law 3(3-0)

In-depth study of current legal problems affecting education. This course may be offered in an online format. Prerequisites: Admission to Specialist in Education or Doctoral programs.

EDL 767 Public School Finance 3(3-0)

Examine structures and considerations relating to the financing of public school systems within the United States, including taxation, budgets, millages, school facilities, and state funding. This course may be offered in an online or hybrid format.

EDL 768 Advanced Higher Education Law 3(3-0)

In-depth study of current legal problems affecting higher education. This course may be offered in an online or hybrid format. Prerequisites: Admission to a doctoral program; EDL 636.

EDL 769 Negotiations in Education 3(3-0)

Theory and practice of negotiations and collective bargaining as it relates in educational organizations. This course may be offered in an online or hybrid format.

EDL 770 Advanced Elementary School Leadership 3(3-0)

Investigation and in-depth study of advanced leadership of elementary education programs. This course may be offered in an online or hybrid format. Prerequisites: EDL 670.

EDL 772 Advanced Administration of Secondary Schools 3(3-0)

Study of current management skills and procedures necessary for operating a secondary school. This course may be offered in an online or hybrid format. Prerequisites: EDL 670 and admission to the Specialist in Education program.

EDL 773 Instructional Supervision and Leadership 3(3-0)

Development of policies and guidelines for leadership of the instructional program in a school. This course may be offered in an online or hybrid format.

EDL 774 Women in Education 3(3-0)

Study of women's roles as students, faculty, and administrators in educational settings. Emphasis on the identification and study of current issues and gender theories. This course may be offered in an online or hybrid format.

EDL 775 Educational Policy Analysis 3(3-0)

Identification and analysis of source, function, and effect of policies affecting K-12 education. This course may be offered in an online or hybrid format.

EDL 776 Administration of Higher Education 3(3-0)

Study of the organization and management of colleges and universities. This course may be offered in an online or hybrid format.

EDL 777 Student Affairs Administration 3(3-0)

A study of the organization, structure, management, programs, and functions of student affairs administration in post-secondary education. This course may be offered in an online or hybrid format.

EDL 778 Contemporary Issues in Higher Education 3(3-0)

Study of contemporary issues confronting higher education. Emphasis is on the identification, definition, and study of issues and how educational leaders might address them. This course may be offered in an online or hybrid format.

EDL 780 District Level Leader Internship 1-15(Spec)

A planned learning experience gained through first-hand observations and operational responsibilities under the direct supervision of an executive educational leader. This course may be offered in an online format. CR/NC only. Prerequisites: Regular admission; completion of a minimum of 9 credits in a post-master's degree program in the Department of Educational Leadership; approval of internship application.

EDL 790 Critical Issues: Elementary School Leadership 3(3-0)

Analysis of elementary school leadership issues. This course may be offered in an online or hybrid format.

EDL 792 Critical Issues: Administration of Secondary Schools 3(3-0)

Analysis of current problems, regulations, laws, and pressures confronting the secondary school principal. Course stresses conflict management and crisis intervention techniques. This course may be offered in an online or hybrid format. Prerequisites: EDL 670 or EDL 772 and admission to the Specialist in Education program.

EDL 797 Field Study 1-6(Spec)

An extensive study of a specific leadership practice, and a report of appropriate recommendations. Students cannot enroll for both EDL 797 and 798 to fulfill the requirements of a single degree. This course may be offered in an online or hybrid format. CR/NC only.

EDL 798 Thesis 1-6(Spec)

Students will study a specific leadership problem, culminating in a written research report of appropriate findings. This course may be offered in an online or hybrid format. CR/NC only. Prerequisite: EDL 600 or 700.

EDL 800 Qualitative Research in Educational Leadership 3(3-0)

This course enables students to apply qualitative research theories, methods and data analysis procedures. Students will practice a variety of applied field-based techniques. This course may be offered in an online or hybrid format. Prerequisites: EDL 600 and EDL 700. Admission to doctoral program in Educational Leadership.

EDL 801 Quantitative Analysis in Educational Leadership 3(3-0)

Study, analysis, and application of quantitative analytical principles to the development, implementation, and evaluation of educational practices and programs. This course may be offered in an online or hybrid format. Prerequisites: EDL 600, 700; admission to doctoral program in Educational Leadership.

EDL 815 Ethical Leadership 3(3-0)

Examination of major leadership and ethical decision making theories. Emphasis is placed on moral leadership practice. This course may be offered in an online or hybrid format. Prerequisites: Admission to the doctoral program in educational leadership.

EDL 816 Social Justice in Education 3(3-0)

Students will develop an understanding of the theoretical perspectives and their application to complex relationships inherent in moral and political issues in education. This course may be offered in an online or hybrid format. Prerequisites: Admission to a doctoral program and EDL 700 or equivalent.

EDL 820 Critical Perspectives of Development Theory 3(3-0)

Educational development theory using a critical theoretical lens. Examination will include an exploration of diverse socially constructed identities of individuals and the application to practice. This course may be offered in an online or hybrid format. Prerequisites: Admission to a doctoral program in education.

EDL 825 Culture of Educational Organizations 3(3-0)

Examination of organizational culture, and the implications for leadership and organizational effectiveness. This course may be offered in an online or hybrid format.

EDL 830 Educational Foundations of Philosophy 3(3-0)

Critical analysis of the foundations and philosophies of education. This course may be offered in an online or hybrid format. Prerequisites: Regular admission to a doctoral program in education.

EDL 855 Organizational Culture and Change in Educational Institutions 3(3-0)

Examination of organizational culture and implication on behavior and educational practices. Fundamental concepts, processes, and procedures concerning the change process. This course may be offered in an online or hybrid format. Prerequisites: Admission to the doctoral program in educational leadership.

EDL 860 Organizational Theory in Educational Institutions 3(3-0)

Focus will be upon the historical development of educational institutions with an emphasis upon organizational theory, systems theory, organizational behavior, motivation, and leadership. This course may be offered in an online or hybrid format. Prerequisites: admission to the doctoral program in Educational Leadership.

EDL 864 Economics and Finance of Higher Education 3(3-0)

This course applies the concepts and methods of economic theory in the analysis and evaluation of issues, policies, and behaviors related to higher education finance. This course may be offered in an online or hybrid format. Prerequisites: EDL 764 or admission to a doctoral program.

EDL 870 Issues in Educational Leadership 3(3-0)

A study of issues confronting educational leaders. The course provides students the opportunity to relate leadership theory with an examination of current issues. This course may be offered in an online or hybrid format. Prerequisite: Admission to the doctoral program in educational leadership.

EDL 876 Higher Education Policy 3(3-0)

Examination of higher education policy practices. The integration and synthesis of organizational theory and leadership to address policy issues. This course may be offered in an online or hybrid format. Prerequisites: Admission to the doctoral program in Educational Leadership.

EDL 880 Doctoral Internship 3-6(Spec)

Real and simulated activities related to preparing for advanced positions in educational leadership under the supervision of a practicing administrator. CR/NC only. This course may be offered in an online or hybrid format. Prerequisites: Admission to the doctoral program in Educational Leadership. Approval of internship application and permission of instructor.

EDL 886 Advanced Problem Solving in Educational Leadership 3(3-0)

An advanced seminar in problem solving skills to assist educational leaders with interaction strategies. This course may be offered in an online or hybrid format. Prerequisites: EDL 685.

EDL 890 Doctoral Proseminar: Writing and Inquiry 3(3-0)

Foundation course for doctoral students to engage in scholarly writing, theoretical foundations and the seminal literature in education. This course may be offered in an online format. Prerequisites: Admission to a doctoral program in Educational Leadership.

EDL 897 Dissertation Colloquium 3(3-0)

Development of a doctoral-level dissertation proposal. CR/NC only. This course may be offered in an online or hybrid format. Prerequisites: EDL 800, 801.

EDL 898 Dissertation 1-15(Spec)

Design and complete the dissertation including data collection, analysis, written report, and oral defense. CR/NC only. Prerequisites: permission of instructor.

EDL 899 Doctoral Seminar 3-6(Spec)

Orientation to doctoral studies, program procedures, and dissertation issues. Critical review of education foundations and history. This course may be offered in an online or hybrid format. Prerequisites: Admission to the doctoral program in Educational Leadership.

EDL 900 Advanced Qualitative Analysis in Educational Leadership 3(3-0)

This course provides advanced instruction in qualitative research analysis for doctoral students. Students will work with their own research data using analysis software. This course may be offered in an online or hybrid format. Prerequisite: EDL 800. Recommended: Admission to a doctoral program.

EDL 901 Advanced Quantitative Analysis in Educational Leadership 3(3-0)

Study, analysis and application of advanced quantitative analytical principles to the development, implementation, and evaluation of educational practices and programs. This course may be offered in an online or hybrid format. Prerequisite(s): EDL 801. Recommended: Admission to a doctoral program.

EDU - Teacher Education**EDU 107 Introduction to Teaching 3(3-1)**

An introductory course designed to provide prospective teacher education students with the opportunity to explore teaching, including a minimum of ten hours of clinical experience. May be offered as Writing Intensive. Students are required to receive a B or better in this course. This course may be offered in an online format.

EDU 280 Education of Children 3(3-0)

Growth and development of the child, prenatal to adolescent. Includes application to educational settings. Prerequisite: EDU 107. Recommended: Sophomore standing.

EDU 290 Technology in Education 3(1-4)

Students will learn to operate various technology-based equipment; select and assess instructional media materials, courseware, and software; and integrate technology and media into K-12 instruction. Requires C+ or higher.

EDU 320 Elementary Mathematics Methods 3(3-0)

Objectives, content, materials, organization, and methods of teaching mathematics in the elementary school. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education Program; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 393; MTH 151. Co-requisites: EDU 330, 343, 345; EDU/MLE 361. Pre/Co-requisites: MTH 152.

EDU 330 Reading in the Elementary School 3(3-0)

Materials, organization, and methods of teaching reading in the elementary school to address the Michigan and national literacy standards and benchmarks. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 393. Co-requisites: EDU 320, 343, 345; EDU/MLE 361.

EDU 341 Word Study and Fluency 3(3-0)

Research-based instructional approaches and strategies for explicit instruction in phonemic awareness, phonics, spelling, vocabulary, and reading fluency. This course may be offered in an online format. Prerequisites: EDU 330.

EDU 343 Social Studies Methods in Elementary Education 3(3-0)

Objectives, content, materials, organization and methods of teaching social studies in the elementary school. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 393. Co-requisites: EDU 320, 330, 345; EDU/MLE 361.

EDU 345 Science Methods in Elementary Education 3(3-0)

Objectives, content, materials, organization, and methods of teaching science in the elementary school. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 393. Co-requisites: EDU 320, 330, 343; EDU/MLE 361.

EDU 361 Pre-Student Teaching Practicum 2(1-4)

Pre-service Teachers will gain practical experience through observing, interacting, collaborating, and teaching in a pre K-12 classroom setting. Identical to MLE 361. Credit may not be earned in more than one of these courses. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 393. Co-requisites: EDU 320, 330, 343, 345.

EDU 362 Mathematics and Reading Practicum 1(0-2)

Pre-service teachers will gain practical experience through observation, interaction, collaboration, preparation, and delivery of reading and mathematics instruction in a pre K-8 classroom setting. Identical to MLE 362. Credit may not be earned in more than one of these courses. CR/NC only. Prerequisites: Admission to Teacher Education Program; EDU 280 or HDF 100 (students with a major in "teachers of students with emotional impairment" or a major in "teachers of students with cognitive impairment" are required to have SPE 126 and PSY 220); EDU 290, 330, 393. Co-requisites: EDU 320, 431.

EDU 363 Science and Social Studies Practicum 1(0-2)

Pre-service teachers will gain practical experience through observation, interaction, collaboration, preparation, and delivery of science and social studies instruction in a pre K-8 classroom setting. Identical to MLE 363. Credit may not be earned in more than one of these courses. CR/NC only. Prerequisites: Admission to Teacher Education Program; EDU 280 or HDF 100 (students with a major in "teachers of students with emotional impairment" or a major in "teachers of students with cognitive impairment" are required to have SPE 126 and PSY 220); EDU 290, 320, 330, 393, 431; EDU/MLE 362. Co-requisites: EDU 343, 495.

EDU 380WI Interdisciplinary Methods and Pre-Student Teaching 10(Spec)

Consists of coursework in pedagogy and teaching in K-8 classrooms. Course is required semester before student teaching. Students are required to receive a C+ or better in this course. Writing Intensive. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100]; EDU 330, 393. Co-requisites: SPE 504.

EDU 393 Learning Theory in Elementary Education 3(3-0)

Principles of learning, cognitive development, behavior, social and emotional development, and evaluation in children as related to the practice of teaching. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290.

EDU 431 Corrective Reading in the Classroom 3(3-0)

Classroom diagnosis of students' reading strengths and weaknesses. Analysis of corrective and remedial techniques. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 320, 330, 343, 345, 393; EDU/MLE 361. Co-requisite: EDU 495.

EDU 432 Student Teaching Seminar 3(3-0)

This course reinforces the components of the CLEAR Conceptual Framework as it pertains to transferring theory to practice while students are in student teaching. Students are required to receive a C+ or better in this course. Prerequisites: Students must have completed the requirements for student teaching and be enrolled in EDU 458 Student Teaching as a component of the Elementary or Secondary certification requirements for the Pre K-12 General Education, Special Education, and Music Education teacher education programs. Co-requisites: EDU 458.

EDU 458 Student Teaching 10(Spec)

This experiential course in which students integrate theory into practice is the field-based culminating activity of the Pre K-12 regular education teacher education program. CR/NC only. Prerequisites: Admission to Teacher Education and the following criteria based on the specific certification requirements:

Elementary: - A CMU overall GPA of 2.70 or higher. - Department approval of major(s) and minor(s) with a minimum 2.70 major AND minor GPA - C+ or higher in ALL professional education and methods courses - Courses REQUIRED before student teaching: EDU 107; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, EDU 320, 330, 343, 345, 393, 431, and 495; EDU/MLE 361; SPE 504; and all major and minor requirements listed in the bulletin (additional requirements for Special Education Majors: SPE 455 and SPE 456 or SPE 458)

Secondary: - A CMU overall GPA of 2.70 or higher - Department approval of major(s) and minor(s) with a minimum 2.70 major AND minor GPA - C+ or higher in ALL professional education and methods courses - Courses REQUIRED before student teaching EDU 107; EDU 290 [except for music majors]; EDU 310; EDU 325 [except for music majors]; EDU 450, 495; SPE 504; and all major and minor requirements listed in the bulletin (additional requirements for Special Education Majors: SPE 455 and SPE 456 or SPE 458). Co-requisite: EDU 432.

EDU 495 Foundations of Education 3(3-0)

Examines historical events and social bases of American education. Major emphasis is on political, judicial, and legislative activities; social issues; and current policy affecting schools. Students are required to receive a C+ or better in this course. Prerequisites: Admission to Teacher Education; EDU 280 or HDF 100 or PSY 220 [General Education Students take EDU 280 or HDF 100; Special Education Majors must take PSY 220]; EDU 290, 320, 330, 343, 345, 393; EDU/MLE 361. Co-requisite: EDU 431 (elementary students) or EDU 450 (secondary students).

EDU 506 Principles and Techniques for Individualizing Instruction 3(3-0)

Examination of individualized instruction and its classroom implications. Prerequisite: EDU 330 or EDU 340.

EDU 508 Education Workshop 1-6(Spec)

Identification and study of educational theory, topics and/or issues in contemporary education. This course may be offered in an online format. Prerequisites: Senior Standing or Graduate Status.

EDU 515 Managing Classrooms and Learning Environments 3(Spec)

Engages students with theories and effective practices related to effectively managing classrooms and learning environments. This course may be offered in an online or hybrid format. Prerequisite: Admission to Teacher Education Program or graduate status.

EDU 528 Emergent Literacy: Theory and Practice 3(3-0)

Analysis of literacy development in preschool through primary grades. Methods, materials, organization, and evaluation techniques for fostering beginning reading and writing consistent with current research. Prerequisites: EDU 330 or graduate standing.

EDU 532 Reading in the Content Areas 3(3-0)

Emphasizes teaching of literacy strategies in the academic disciplines, focusing on grades 3-8. This course may be offered in an online format. Prerequisites: EDU 330 or graduate status.

EDU 533 Diagnosis and Treatment of Reading Difficulties 3(2-3)

Diagnostic procedures and use of remedial and developmental techniques. Exploration of the role of the specialist. This course may be offered in an online format. Prerequisites: EDU 431, 532, or Graduate status; Pre/Co-Requisite: EDU 538.

EDU 538 Integrated Language Arts 3(3-0)

Integration of listening, speaking, enacting, writing, reading, viewing, and visually representing into a K-8 language arts program and instruction for diverse needs of all learners. This course may be offered in an online format. Prerequisite: EDU 330.

EDU 540 Literacy Education: Theory and Practice 3(3-0)

Emphasizes a broad view of literacy within a comprehensive approach and authentic contexts; effective literacy instruction across content, all learners, skill integration, and assessment. This course may be offered in an online format. Prerequisites: EDU 330 or graduate status.

EDU 542 Interdisciplinary Processes and Strategies in Teaching Reading, Writing, Thinking, and Learning 3(3-0)

Reinforces the integration of content knowledge with reading, writing, and thinking strategies and emphasizes a conceptual framework for learning through thematic or collaborative instruction. This course may be offered in an online or hybrid format. Prerequisites: EDU 330 or Graduate Standing.

EDU 566 Independent Study in Elementary Education 1-6(Spec)

Research or project. Prerequisites: 15 semester hours of professional education and approval of unit coordinator.

EDU 590 Advanced Technology in Education 3(2-3)

Students will study and practice the integration of technology in classroom instruction and management, with emphasis upon software evaluation and lesson design. Identical to SPE 510. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format. Prerequisites: EDU 290 or Graduate Status.

EDU 602 Strategies and Techniques for Teaching 3(3-0)

Examination, development, assessment, and use of teaching methods and strategies to engage learners at all levels of teaching or in presenting materials in workshop format. This course may be offered in an online format.

EDU 603 Elementary Diagnosis, Remediation and Differentiation of Reading Instruction 3(3-0)

Diagnosing reading and writing difficulties for diverse learners and implementing research-based intervention practices designed to improve literacy in the elementary classroom. This course may be offered in an online or hybrid format.

EDU 606 Secondary Advanced Reading Diagnosis and Instruction 3(3-0)

Diagnosing reading and writing difficulties for diverse learners and implementing research-based intervention practices designed to improve literacy in the secondary classroom. This course may be offered in an online or hybrid format.

EDU 613 Current Educational Issues 3(3-0)

Critical analysis, synthesis and evaluation of solutions to significant and persistent issues/problems in education in the United States. Identical to MLE 613. Credit may not be earned in more than one of these courses. This course may be offered in an online format.

EDU 614 Advanced Educational Psychology 3(3-0)

Educational psychology theories and research as tools for analyzing and evaluating teaching and learning. This course may be offered in an online format.

EDU 615 Survey of Science Education 3(3-0)

Exploration of current issues in science teaching and learning; foundational science education literature; projects based on classroom practice; relevant science education resources. Prerequisites: Admission to the Master of Arts in Teaching Integrated Science.

EDU 622 Advanced Adolescent Psychology 3(3-0)

Advanced analysis of growth, development, and behavior during adolescence.

EDU 623 Understanding Literacy Research Methods 3(3-0)

Understanding and analyzing established and emerging literacy research methodologies and how each mode of inquiry can yield insights into literacy learning. This course may be offered in an online format. Prerequisites: Admission to MA in Reading and Literacy K-12 program.

EDU 624 Word Study and Vocabulary Development 3(3-0)

Teaching and learning about the structure and meaning of words based on students' developmental levels, grades K-12. This course may be offered in an online format. Prerequisite: Admission to a graduate degree program in education.

EDU 627 Using Digital Resources to Teach Literacy 3(3-0)

Critical analysis and use of new technologies and media sources as applied to literacy acquisition and instruction with integration of digital resources into literacy curriculum. This course may be offered in an online format. Prerequisites: Admission to graduate degree program in education.

EDU 630 Organization and Implementation of School Literacy Programs 3(3-0)

Design, implementation and evaluation of school reading and writing programs, staff development, and the change process. This course may be offered in an online or hybrid format. Pre/Co-requisites: EDU 632 or EDU 636.

EDU 632 Practicum in Literacy Assessment and Intervention 6(Spec)

In this course, students will learn about the diagnostic procedures and materials; get supervised work with K-12 students or adolescents; and implement remediation procedures. This course may be offered in an online format. Prerequisite: Admission to a graduate degree program in education.

EDU 635 Advanced Language Arts Instruction 3(3-0)

Examination of components of English Language Arts classroom instruction, research in teaching language arts, and meeting individual student needs. This course may be offered in an online format. Recommended: EDU 636.

EDU 636 Classroom Reading and Writing Instruction 3(3-0)

Students examine the reading and writing process in classroom instruction and learn about techniques and materials appropriate for specific reading and writing approaches. This course may be offered in an online or hybrid format. Prerequisites: Admission to graduate degree program in education.

EDU 640 History and Trends in Elementary Social Studies Education 3(3-0)

Analysis of history and trends in elementary social studies education. This course is approved for offering in a distance learning format.

EDU 641 Literacy in the Disciplines 3(3-0)

This course will reinforce content teaching strategies and provide a conceptual framework for integrating reading, writing, and thinking for learning throughout the curriculum. This course may be offered in an online format.

EDU 642 Instructional Multimedia 3(3-0)

Students will study, practice, and apply how to appropriately and effectively implement multimedia technologies in classroom environments. Prerequisites: EDU 590. This course is approved for offering in a distance learning format.

EDU 643 Instructional Design 3(3-0)

A study of the principles of instructional design. Designing instructional systems, processes in learning and instruction, delivery systems and evaluating instruction are considered. This course may be offered in an online format. Prerequisite: EDU 590.

EDU 645 Advanced Science Teaching Methods 3(3-0)

Planning, assessment, and evaluation of K-12 science teaching and learning; evaluation of science curriculum materials; exploration of effective science teaching practices. Prerequisites: EDU 615.

EDU 653 The Read/Write Web 3(3-1)

Development of Read/Write Web resources with PK-12 students in a classroom setting. This course is approved for offering in a distance learning format. Prerequisites: EDU 590, EDU 642, and EDU 643.

EDU 655 The Community College 3(3-0)

History, philosophy, programs, and practices of community and junior colleges. This course is approved for offering in a distance learning format.

EDU 660 Methods of Educational Research 3(3-0)

Planning, conducting, and interpreting findings of scientific studies in education. This course may be offered in an online format.

EDU 662 Applied Educational Measurement and Evaluation 3(3-0)

Applications of measurement and evaluation principles to educational settings with emphasis on construction and use of achievement tests. This course is approved for offering in a distance learning format. Prerequisite: admission to a graduate degree program in education.

EDU 682 Psychology of Child Development 3(3-0)

Facts and generalizations concerning the growth of children from birth to maturity. Identical to PSY 682. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format. Prerequisites: Graduate status.

EDU 698 Thesis 1-6(Spec)

For M.A. students on Plan A. CR/NC only. Prerequisite: EDU 660.

EDU 705 Theory and Practice in Curriculum Development 3(3-0)

Study of the history, nature and scope of curriculum planning development and instruction. This course may be offered in an online format.

EDU 706 Theory and Practice of Instruction 3(3-0)

Review, analyze, and apply theory and practice of instruction with a special emphasis on implementation strategies and tools for evaluating instruction. This course may be offered in an online format.

EDU 707 Seminar: Issues in Educational Technology 3(3-0)

Study of selected issues relative to the use of new learning technologies in the classroom. Emphasis upon the learning theory which supports applied technologies. Prerequisite: EDU 590. This course is approved for offering in a distance learning format.

EDU 708 Distance Education 3(3-0)

Students completing this course will be equipped to use distance learning technologies to teach in instructional settings. This course is approved for offering in a distance learning format. Prerequisite: EDU 590.

EDU 709 Innovative Uses of Technology 3(3-0)

A survey course of new and innovative applications of technology in educational settings. Students study and develop innovative instructional models utilizing technology. This course is approved for offering in a distance learning format. Prerequisites: EDU 590.

EDU 710 Seminar: Terminal Project 3(3-0)

This course requires the Master's candidate to complete a terminal project related to the applications of technology in classroom settings. This course may be offered in an online or hybrid format. Prerequisites: students must have completed 30 hours on the M.A. in Educational Technology. Courses taken concurrently count toward the 30 hours.

EDU 730 Seminar: Issues in Literacy 3(3-0)

Examination of current issues in literacy instruction. Students complete research projects appropriate to their degree programs with oral and written presentations of research findings. This course may be offered in an online or hybrid format.

EDU 755 Advanced Research Design and Interpretation 3(3-0)

Analysis of research designs, development of measurement devices, and interpretation of advanced statistical techniques. Prerequisite: EDU 660.

EDU 770 Practicum in Systematic Curriculum Development 3(3-0)

This course will provide experience in developing curriculum for a specific content area. This course may be offered in an online or hybrid format. Prerequisite: a teaching certificate or admission to graduate school or teacher education.

EDU 776 Seminar: Issues in Education 3(3-0)

Capstone experience for the M.A. in Education program. Students conduct and report on a research project. This class may be offered in an online or hybrid format. Prerequisites: EDU 660; Successful completion of 21 hours of coursework on the MA in Education program.

EDU 780 Master of Arts Capstone Experience 3(3-0)

Students complete research projects appropriate to their degree programs that produce results applicable to their current practice. Should be last course taken in student's program. Identical to MLE 780. Credit may not be earned in more than one of these courses.

EDU 800 Educational Technology Research 3(3-0)

Introductory course for the Doctorate in Educational Technology. Students learn how to critique educational research while being introduced to its various design philosophies and methodologies. This course may be offered in an online or hybrid format.

EDU 801 Qualitative Research in Educational Technology 3(3-0)

Applications, evaluation and analysis of qualitative research concepts in writing dissertation, and in various aspects of professional practice in educational technology terminal-degree careers. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 802 Quantitative Research in Educational Technology 3(3-0)

Quantitative research methodology is a key component of the knowledge and skills to be developed by candidates to study educational technology and its applications. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 807 Seminar: Learning Tools in Education Technology 3(3-0)

Study of selected issues relative to the use of new learning technologies in the classroom. Emphasis upon the learning theory which supports applied technologies. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 808 Blended and Online Learning 3(3-0)

Study of selected issues relative to the use of new learning technologies in the classroom. Emphasis upon the learning theory which supports applied technologies. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 810 Grant Writing 3(3-0)

This cognate course focuses on grant writing skills for funding educational technology initiatives. Topics include concept development, budgeting, assessment planning, proposal submission, and reviewer practices. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 811 Motivation in Online and Blended Learning 3(3-0)

Development and implementation of instructional strategies promoting student motivation and learning in online and blended learning environments. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 814 Differentiated Instruction in Online Learning 3(3-0)

Students examine the role of differentiated instruction in online/blended environments and address current efforts to meet the needs of all learners in technology-based environments. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 842 Mobile Learning 3(3-0)

Students will explore the potential mobile devices hold for learning and instruction and examine the impact of mobile learning from a national and international perspective. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 853 Evolving Internet Learning 3(3-0)

Application and implementation of evolving digital resources in educational settings. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 862 Data Driven Decision Making 3(3-0)

Learn to theoretically and methodologically understand the use of data and how it is used to guide practice. Techniques and statistical models used to analyze data. This course may be offered in an online or hybrid format. Prerequisite: EDU 800.

EDU 870 Higher Order Learning and New Literacies 3(3-0)

Students learn how new literacies, the skills and strategies needed to teach and learn successfully in a Web-mediated world, can promote higher order thinking. This course may be offered in an online or hybrid format. Prerequisite: EDU 800. Recommended: EDU 801, 802.

EDU 898 Dissertation 1-18(Spec)

Design and completion of the dissertation phase including data collection, data analysis, written report(s), journal submission and oral defense. CR/NC only. This course may be offered in an online or hybrid format. Prerequisites: Admission to the Doctor of Educational Technology program, successful completion of the Doctor of Educational Technology Program Comprehensive Examination.

EGR - Engineering**EGR 120 Introduction to Engineering 3(2-2)**

A general introduction to engineering with an emphasis on problem solving, engineering tools, engineering design processes, and teamwork. Pre/Co-requisite: One of the following: MTH 130, 132, 133.

EGR 190QR Digital Circuits 3(3-0)

Boolean algebra, logic functions, truth tables and Karnaugh maps, combinational circuits, sequential circuits, and finite state machines. Quantitative Reasoning. Prerequisites: One of the following with a grade of C- or better: MTH 130, 132, 133. Pre/Co-requisite: EGR 120.

EGR 200 Computer Aided Problem Solving for Engineers 3(2-2)

Engineering problem solving involving circuit elements, batteries, one- link robot, two-link robots, springs, and cables using physical experiments, MATLAB and/or equivalent. Prerequisite: Cumulative GPA of 2.5 or higher. Pre-requisites/ Co-requisites: MTH 132; permission of E&T advisor.

EGR 290 Circuit Analysis I 3(3-0)

Introduction to circuit elements, variables, resistive circuits, circuit analysis techniques, network theorems, inductance and capacitance, sinusoidal steady state analysis and power calculations. Prerequisites: MTH 133 with a grade of C- or better; PHY 145 with a grade of C- or better; permission of E&T advisor; cumulative GPA of 2.5 or higher. Pre/Co-requisite: EGR 120; PHY 146.

EGR 300 Engineering Economic Analysis 3(3-0)

An introduction to financial and economic decision-making for engineering projects, with an emphasis on problem solving, life cycle costs, and the time value of money. Prerequisites: MTH 132 or 133; one of: STA 282, 382, 392; permission of E&T advisor.

ELI - English Language Institute**ELI 041 Basic Listening & Speaking 5(5-3)**

An intensive beginning-level ESL listening and speaking class for non-native speakers enrolled in the English Language Institute at the low- beginning level. This course may be offered in an online format. CR/NC only. Prerequisite: English Language Institute approval.

ELI 042 Basic Reading & Writing 4(4-4)

A low-beginning course in composition and reading skills for international students with focus on sentence and short paragraph development. For intensive-level ELI students. This course may be offered in an online format. CR/NC only. Prerequisite: English Language Institute approval.

ELI 043 Basic Word Studies & Grammar 3(3-1)

Development of beginning-level ESL vocabulary and grammar through the study of basic survival themes. For intensive-level ELI students. This course may be offered in an online format. CR/NC only. Prerequisite: English Language Institute approval.

ELI 051 Listening, Speaking, and Note-taking I 5(5-3)

An intensive English listening, speaking, and note-taking class for non-native speakers enrolled in the English Language Institute at the high- beginning level. CR/NC only. This course may be offered in an online format. Prerequisites: English Language Institute Approval.

ELI 061 Listening, Speaking, and Note-taking II 5(5-3)

An intensive English listening, speaking, and note-taking class for non-native speakers enrolled in the English Language Institute at the intermediate level. CR/NC only. This course may be offered in an online format. Prerequisites: English Language Institute approval.

ELI 071 Listening, Speaking, and Note-taking III 5(5-3)

An intensive English listening, speaking, and note-taking class for non-native speakers enrolled in the English Language Institute at the high- intermediate level. This course may be offered in an online format. CR/NC only. Prerequisite: English Language Institute Approval.

ENG - English Language and Literature**ENG 101 Freshman Composition 3(3-0)**

Development of nonfiction prose writing skills. Students prepare a variety of texts by applying knowledge of composing processes, rhetorical strategies, and textual conventions. This course may be offered in an online format. Grade for ENG 101 replaces existing grade in ENG 103 or ELI 198 and credit may only be earned in one of these courses. Recommended: Students with a Writing Placement Score above 57 should enroll in ENG 101 and may add ENG 299 if they feel they might need additional help with their writing.

ENG 134 Introduction to Literature 3(3-0)

Examination of the novel, short story, poetry, and drama in a range of cultural and historical contexts. May be offered as Writing Intensive. This course may be offered in an online or hybrid format. (University Program Group I-B: The Arts)

ENG 141 Comics, Graphic Novels, and Other Illustrated Texts 3(3-0)

Study of the history and meaning of comics, graphic novels, and other illustrated texts from a literary and cultural perspective. May be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group I-B: The Arts)

ENG 144 Monsters and Their Meanings 3(3-0)

Examination of the significance of monsters in literature, film, and popular culture in a range of cultural and historical contexts. May be offered in an online format. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas)

ENG 145 Bestsellers and Prize Winners 3(3-0)

Uses a range of popular and prizewinning fiction, non-fiction, and poetry to investigate why one work may be a bestseller, and another a critical success. May be offered in an online format. May be offered as Writing Intensive. (University Program Group I-B: The Arts)

ENG 175 The Nature of Language 3(3-0)

Introduction to the study of language and social systems. Topics include linguistic structures, acquisition, varieties, and change. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

ENG 201 Intermediate Composition 3(3-0)

An intensive writing course intended to prepare students for writing in their upper-level major courses and beyond. May be offered in an online or hybrid format. Prerequisite: Grade of C or better in ENG 101, ENG 103/193, or ELI 198. Recommended: Students who feel they might need additional help with their writing should consider enrolling in ENG 299 as a co-requisite.

ENG 271 Modern Grammar 3(3-0)

Descriptive analysis of English syntax (sentence structure), syntactic variation across dialects, and social norms influencing what constitutes "Standard English." This course may be offered in an online format. Prerequisite: ENG 101 or 103/193 or ELI 198 with a grade of C or better.

ENG 299 Writing Workshop II 1-6(Spec)

Individualized writing workshop offering assistance in planning, drafting, and revising writing, grammar, and citations. May be repeated, one credit per semester. This course may be offered in an online format. CR/NC Only. Co-requisite: Enrollment in at least one other CMU course.

ENG 301WI Nonfiction Writing 3(3-0)

Development of nonfiction writing skills through individual projects in diverse genres. May be offered in an online or hybrid format. Writing Intensive. Prerequisites: ENG 201 with a grade of "C" or better.

ENG 303WI Technical Writing 3(3-0)

Writing technical documents common in business, industry, government agencies, and non-profit organizations, e.g., reports, proposals, and instructions. Emphasis on readability, accessibility, suitability, and usability. Writing Intensive. May be offered in an online or hybrid format. Prerequisites: ENG 201 with a C or better; 56 credit hours completed.

ENG 315WI Teaching Writing in Elementary and Middle Schools 4(3-1)

Introduction to theories and pedagogies on writing in elementary and middle schools. Pre-student teaching field experience. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. Prerequisites: ENG 201 with a grade of C or better; Tier Two - Admission of Candidacy to Teacher Education.

ENG 323 Fantasy and Science Fiction 3(3-0)

History, meaning, and influence of fantasy and science fiction. Emphasis on 19th-21st century literature and film. May be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas)

ENG 326 The Literary Dimensions of Film 3(2-2)

Study of film from the viewpoints of formal literary criticism and cultural history through analysis of original screen plays, genre movies, and adaptations. This course may be offered in an online or hybrid format. (University Program Group I-B: The Arts)

ENG 381WI Children's Literature 3(3-0)

Examination and analysis of contemporary prose and poetry suitable for children from literary, aesthetic, sociocultural and educational perspectives. Writing Intensive. (University Program Group I-A: Human Events and Ideas)

ENG 395 Special Topics 1-6(Spec)

Consideration of subjects not listed in the regular department offerings. May be repeated when content is not a duplication of a previous special topic offering. English majors and minors, see general statement. This course may be offered in an online or hybrid format. Prerequisite: ENG 201 with a grade of C or better.

ENG 397 Independent Study 1-9(Spec)

Explorations of special problems in language and literature individually agreed upon by student and instructor. Prerequisites: Approval of the instructor and department chairperson required before registration; ENG 201 with a grade of C or better; ENG 134 or 234.

ENG 402WI Argumentation and Expository Writing 3(3-0)

Study of and practice using modern theories and techniques of argumentation and persuasive writing in contemporary civic, disciplinary, and professional discourse, contexts, and media. May be offered in an online or hybrid format. Writing Intensive. Prerequisites: ENG 201 with a grade of C or better; senior standing. Recommended: ENG 301 or 303 or COM 352.

ENG 493 Creative Nonfiction 3-6(3-0)

Concentration upon individual projects in creative nonfiction. Course may be repeated up to six hours. May be offered in an online or hybrid format. May be offered as Writing Intensive. Prerequisites: ENG 201 with a grade of C or better; ENG 294 or 301.

ENG 503 Document Design 3(3-0)

Theories and applications of information design and visual rhetoric for print and electronic documents. This course may be offered in an online or hybrid format. Prerequisites: Graduate standing or ENG 201 with a C or better. Recommended: ENG 303.

ENG 504 Technical Editing 3(3-0)

Methods and technologies used in editing and publishing technical documents in print and electronic media; publication management and production. This course may be offered in an online or hybrid format. Prerequisites: Graduate standing or ENG 201 with a B or better and 86 credit hours completed. Recommended: ENG 303.

ENG 513 Special Topics 1-6(Spec)

Subjects not part of regular department offerings. May not be a duplication of a previous section. This course may be offered in an online or hybrid format. Prerequisites: 86 credit hours completed; or graduate standing.

ENG 514 Language and Media Discourse 3(3-0)

Examination and application of rhetorical and discourse theory and techniques in media. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. Prerequisites: Graduate standing or completion of 56 credit hours. Recommended: ENG 301.

ENG 539 Seminar in Major Nonfiction Writers 3-9(Spec)

Creative and critical approaches to the study of representative works by selected major nonfiction writers. May be repeated to a maximum of nine hours. May be offered in a hybrid or online format. May be offered as Writing Intensive. Prerequisites: ENG 201 with a C or better; ENG 134 or 234; or graduate standing.

ENG 549 Advanced Shakespeare 3(3-0)

Close study of a selection of Shakespearean texts. May be offered in an online or hybrid format. Prerequisites: Graduate standing or ENG 201 with a grade of C or better; ENG 234; ENG 349.

ENG 582 Cultural Pluralism in Young Adult and Children's Literature 3(3-0)

An exploration of the literature and heritage of diverse American cultures, primarily through folk literature, fiction, and biography. Prerequisite: Graduate status or the following: ENG 101 or 103/193 or ELI 198 with a grade of C or better; ENG 201 with a grade of C or better; ENG 134 or 234 or 381.

ENG 601 Graduate Composition 3(3-0)

For graduate students seeking to develop advanced nonfiction writing skills in various academic and non-academic genres. This course may be offered in an online or hybrid format.

ENG 603 Seminar in Technical & Professional Communication 3-6(Spec)

Advanced study of the theory and practice of professional and technical communication. May be repeated to a maximum of six hours. This course may be offered in an online or hybrid format. Recommended: ENG 303, 503, and/or 504 or previous work-related experience with a professional/technical communication focus.

ENG 622 Seminar in Contemporary Fiction 3(3-0)

Study of notable fiction from 1945 to the present.

ENG 680 Chippewa River Writing Project Institute 3(3-0)

Writing workshop, composition pedagogy, educational technology, and classroom research. This course may be offered in an online or hybrid format. Prerequisites: Admission by application for the institute as outlined by requirements from the Chippewa River Writing Project.

ENG 681 Seminar in Children's and Young Adult Literature 3-9(3-0)

A graduate seminar that explores issues in the studies of Children's and/or Young Adult Literature. Repeatable up to nine hours when content does not duplicate previous topics.

ENG 693 Seminar in Writing Creative Nonfiction 3-6(Spec)

Workshop in contemporary approaches to writing literary nonfiction. Course may be repeated up to six hours. May be offered in an online or hybrid format.

ENT - Entrepreneurship**ENT 101 Discovering the Entrepreneur Within 3(3-0)**

Introduction to entrepreneurship. Emphasis on business fundamentals, successful entrepreneurial characteristics, communications, ethics, leadership, and team work. Only one of ENT 101, BUS 100 or BIS 100 may be applied to the ENT major or minor. This course may be offered in an online or hybrid format.

ENT 201 Entrepreneurship Launch Pad 3(3-0)

Recognize, develop, and act on individual potential for creativity and innovation. Shape and evaluate business opportunities, perform market research, and "pitch" an idea. Identical to MGT 201. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Prerequisites: ENT 101 or BUS 100 or BIS 100.

ENT 210 Accounting Information for Entrepreneurial Decision Making 3(3-0)

Introduction to principles of financial and managerial accounting, design of accounting systems, techniques of analysis and cost control. Interpretation of accounting information for decision making. Does not count for the School of Accounting major or minor. Identical to ACC 210. Credit may not be earned in more than one of these courses. ENT 210 may not be used as a substitute for ACC 201 or ACC 250. This course may be offered in an online or hybrid format.

ENT 213 Economics for Entrepreneurs 3(3-0)

Introduction to the economic way of thinking and its applications to decision making in the business world. Emphasis on understanding and applying economic concepts. Identical to ECO 213. Credit may not be earned in more than one of these courses. Does not count as credit for the Economics major or minor.

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ENT 221 Marketing Strategies for Entrepreneurs 3(3-0)

General marketing principles applied to the entrepreneurial venture including daily activities, long-term branding/position strategy, inexpensive ways to conduct research, and utilizing networks to identify/reach customers. Identical to MKT 221. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Recommended: ENT 101, ENT/MGT 201.

ENT 300 Digital Entrepreneurship 3(3-0)

The use and management of information systems (IS) by entrepreneurs around the world, creating value from information systems and exploring digital entrepreneurship. Identical to BIS 300. Credit may not be earned in more than one of these courses. Prerequisite: 56 semester hours completed.

ENT 320 Financial Management of the Entrepreneurial Venture 3(3-0)

Practical application of financial principles to the creation, growth, and management of an entrepreneurial venture. Identical to FIN 320. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Prerequisites: 56 semester hours completed; ACC 201, 210, 250, or ENT 210; STA 282; signed major or minor in Entrepreneurship.

ENT 416 Entrepreneurship in the Global Economy 3(3-0)

Primary focus is on how individuals and small companies recognize and seek out business opportunities in a global economy leveraging the power of technology; hands-on assignment-based course with a major global team project component. Does not count on the Department of Management majors or minors. Identical to MGT 416. Credit may not be earned in more than one of these courses. Prerequisites: ENT 213, 221; 56 semester hours completed; signed major in Entrepreneurship.

ENT 419 Running and Growing an Entrepreneurial Venture in a Global Economy 3(3-0)

This course emphasizes the acquisition of skills and knowledge necessary to successfully maintain and grow an established entrepreneurial venture within a global business environment. Identical to MGT 419. Credit may not be earned in more than one of these courses. Prerequisites: 56 semester hours completed; signed major or minor in Entrepreneurship.

ENT 420 Legal Aspects of New Ventures 3(3-0)

Introduces entrepreneurs to legal requirements for forming a business. Identical to BLR 420. Credit may not be earned in more than one of these courses. Prerequisites: 86 semester hours completed; signed major or minor in Entrepreneurship.

ENT 497 Special Topics in Entrepreneurship 1-12(Spec)

Selected topics not covered in existing courses with current topic listed in Course Search and Registration. Specific topics will be listed on the student's transcript. Repeatable up to 12 credits with different topics. Only 3 credits will count toward entrepreneurship major or minor. Prerequisite: See Course Search and Registration.

ENT 600 Business Foundations for Entrepreneurs 3(3-0)

Covers key business terms and principles and the applicability of these principles to entrepreneurs. Traditional MBA subjects and seminal management articles will be covered. This course may be offered in an online format. Prerequisite: admission to the Master of Arts in Entrepreneurial Transactions program.

ENT 605 Foundations of Entrepreneurship 3(3-0)

Covers key entrepreneurship terms, concepts and resources. Students create an initial portfolio of outputs for a proposed venture. Portfolios will be enhanced throughout the program. This course may be offered in an online format. Pre/Co-requisite: ENT 600 or admission to the MBA Program.

ENT 620 New Venture Formation & Governance 3(3-0)

Covers the business, legal and tactical issues surrounding the formation and governance of business entities. This course may be offered in an online format. Prerequisite: ENT 605.

ENT 625 New Venture Hires, Filings & Reports 3(3-0)

Covers post-formation organizational matters and the resources new ventures use to build teams, spot government regulations and keep stakeholders informed. This course may be offered in an online format. Pre/Co-requisite: ENT 620.

ENT 630 Seed Financings & Securities Regulation 3(3-0)

Covers the business, legal and tactical issues that arise when new ventures seek capital from friends, family members, angel investors, and others. This course may be offered in an online format. Prerequisite: ENT 620.

ENT 640 Intellectual Property for Entrepreneurs 3(3-0)

Covers the business, legal and tactical issues surrounding intellectual property. This course may be offered in an online format. Prerequisite: ENT 605.

ENT 650 Crowdfunding 3(3-0)

Covers the business, legal and tactical issues surrounding crowdfunding. This course may be offered in an online format. Prerequisite: ENT 605. Recommended: ENT 640.

ENT 660 Technology for Entrepreneurs 3(3-0)

Covers business, legal and tactical issues surrounding prevalent technology uses by entrepreneurs. This course may be offered in an online format. Prerequisite: ENT 605. Recommended: ENT 640.

ENT 670 Venture Capital 3(3-0)

Covers the business, legal and tactical issues surrounding venture capital. This course may be offered in an online format. Prerequisite: ENT 630.

ENT 680 Growth & Risks at Emerging Ventures 3(3-0)

Covers the business, legal and tactical issues related to growth strategies and risk management tools utilized by emerging ventures. This course may be offered in an online format. Prerequisite: ENT 640.

ENT 690 Entrepreneurial Acquisitions & Exits 3(3-0)

Covers the business, legal and tactical issues surrounding mergers, acquisitions, IPOs and other entrepreneurial exits. This course may be offered in an online format. Prerequisite: ENT 670.

ENT 695 Entrepreneurial Transactions Capstone 3(3-0)

Knowledge gained in other program courses is further applied by working on cases and simulations involving entrepreneurial transactions. Enhanced portfolio of outputs is also submitted. This course may be offered in an online format. Prerequisite: ENT 680. Pre/Co-requisite: ENT 690.

ENV - Environmental Studies

ENV 101 Introduction to Environmental Studies 3(3-0)

An introduction to the interdisciplinary study of human/environmental relationships. Topics include the biosphere, ecosystems and how human socio-political factors interact with them. This course is approved for offering in a distance learning format.

ESC - Earth Science

ESC 400 Earth Science Education 3(2-2)

Study of earth science in the K-12 science curriculum, including relevant teaching methods and preparation of lesson plans in accordance with the State Science Content Standards. Prerequisites: Junior standing as a declared major or minor in Integrated Science or Earth Science Education; GEL 100 or 130; 9 additional hours distributed among major requirements for Integrated Science or Earth Science; Tier Two - Admission of Candidacy to Teacher Education.

FIN - Finance

FIN 201 Personal Finance 3(3-0)

A survival course designed to help you cope with the financial aspects of your life such as taxes, budgeting, inflation, insurance of all kinds, savings, and investing. This course is approved for offering in a distance learning format.

FIN 297 Special Topics 1-3(Spec)

Special topics on finance. This course may be offered in an online format. Prerequisites: Vary with instructor.

FIN 303 Financial Administration 3(3-0)

Financial administration of both profit and not-for-profit organizations including methods of asset procurement and raising capital. Credit may not be earned in both FIN 303 and FIN 332. This course is approved for offering in a distance learning format. Prerequisite: ACC 204.

FIN 320 Financial Management of the Entrepreneurial Venture 3(3-0)

Practical application of financial principles to the creation, growth, and management of an entrepreneurial venture. Identical to ENT 320. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Prerequisites: 56 semester hours completed; ACC 201, 210, 250, or ENT 210; STA 282; signed major or minor in Entrepreneurship.

FIN 325 Risk Management 3(3-0)

Identifying, analyzing, controlling, financing, and administering operational risks such as catastrophic loss exposures, third-party exposures, fiduciary exposures, employee injury exposures, juridical risks, and legal risks. This course may be offered in an online format. Prerequisites: 56 credit hours completed.

FIN 445 Personal Estate Planning 3(3-0)

Fundamentals of estate planning for personal use and professional training. Professional topics target applications in trust administration, accounting, and personal financial planning. Identical to BLR 445. Credit may not be earned in more than one of these courses. This course may be offered in an online format. Prerequisites: FIN 302, 307; FIN 310 or FIN 315; 56 semester hours completed. Pre/Co-requisite: FIN 347.

FIN 448 Fundamental Financial Analysis 3(3-0)

Methods of fundamental financial analysis necessary for evaluating and forecasting firm financial and operating performance. This course may be offered in an online or hybrid format. Prerequisites: FIN 302 or FIN 332; 56 semester hours completed; admission to Professional Business Studies or listed on a signed major or minor.

FIN 648 Advanced Financial Statement Analysis 3(3-0)

Methods of fundamental financial analysis necessary for evaluating and forecasting firm financial and operating performance. This course may be offered in an online format. Pre/Co-requisite: Admission to the MBA program.

FIN 673 Advanced International Financial Management 3(3-0)

This course will cover issues related to both international financial markets and the financial operations of a firm within the international environment. This course may be offered in an online format. Prerequisite: Admission to the MBA Program.

FIN 680 Financial Modeling 3(3-0)

Quantitative financial modeling using spreadsheets and teaching the practical application of financial theory to real-world business problems. This course may be offered in an online format. Prerequisites: MBA 670; admission to MBA program.

FMD - Fashion Merchandising & Design

FMD 141 Apparel Design Analysis 3(2-2)

Understanding fashion as design product and process. Application of elements and principles of design to fashion with emphasis on design communication using industry relevant skills. This course may be offered in an online format.

FMD 155 Introduction to Textiles 3(2-2)

Introductory course in textiles. Study of fiber, yarn, and fabric properties. This course may be offered in an online format. Credit may not be earned in both FMD 155 and IND 155.

FMD 200 Apparel Quality Analysis 3(2-2)

Comprehensive approach to assessing apparel quality including methods for integrating quality into the design and development stages of sewn products. This course may be offered in an online format. Prerequisite: FMD 141, 155.

FMD 241 Fashion Design: Illustration 3(0-4)

Principles of fashion illustration and design communication; drawing the fashion figure, garment sketching, rendering of textures, and producing garment flats. This course may be offered in an online format. Prerequisites: FMD 141, 155.

FMD 246 CAD for Fashion Design and Merchandising 3(0-4)

Use of the computer as a creative design and merchandising communication tool. Development of textile prints, color stories, line plan components, and apparel designs via Adobe Illustrator and Photoshop. This course may be offered in an online format. Prerequisite: FMD 141, 155.

FMD 250 History of Western Dress 3(3-0)

History of Western dress from ancient times to the 21st century. May be offered as Writing Intensive. This course may be offered in an online or hybrid format. (University Program Group I-B: The Arts)

FMD 252 Dress and Culture 3(3-0)

Appearance and dress, as a reflection of social, psychological and cultural environments of humans; examination of dress as an aspect of culture and individual expression. This course may be offered in an online format. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

FMD 256 Introduction to Fashion Industry 3(3-0)

Introduction to the fashion industry - the complex of enterprises concerned with the design, production, and distribution of men's, women's and children's apparel and accessories. This course may be offered in an online format. Prerequisites: FMD 141.

FMD 258 Fashion Retail Management 3(3-0)

A comprehensive study of fashion retail management in a global environment. Topics include retailing strategy, merchandise management, store management, distribution channel, and supply chain logistics. This course may be offered in an online format. Pre/Co-requisites: FMD 256.

FMD 280 Queer Fashion 3(3-0)

Examination of LGBTQ experiences via historical fashion analysis. Emphasis on LGBTQ identity fashioned through sartorial choice. Gay aesthetic, camp culture, and LGBTQ designer contributions. Identical to WGS 280. Credit may not be earned in more than one of these courses. This course may be offered in an online format. (University Program Group IB: The Arts)

FMD 346 Advanced CAD for Apparel 3(0-4)

Fashion product and textile line development for specified markets utilizing Lectra software. Electronic portfolio development. This course may be offered in an online format. Prerequisites: FMD 246.

FMD 355QR Textile Analysis 3(2-2)

Relevance of standardized testing in quality control of textiles for end-use and serviceability. This course may be offered in an online format. Quantitative Reasoning. Prerequisite: FMD 155.

FMD 356 Visual Merchandising 3(1-3)

Visual Merchandising for fashion product promotion and branding. Techniques of styling and window display. Creation of merchandising directives. Professional practice via team-based project completion. This course may be offered in an online or hybrid format. Prerequisites: FMD 246, 256.

FMD 357 Fashion Show Production & Promotion 3-6(Spec)

Experiential course involving aspects of fashion show production. Event design, planning, staging, and promotion. This course may be offered in an online or hybrid format. Prerequisites: A minimum of 24 completed credits.

FMD 410 Fashion Advertising and Promotion 3(3-0)

A study of key fashion media, cutting edge strategies, techniques for branding and advertising, and promoting fashion products. This course may be offered in an online format. Pre/Co-requisites: FMD 246 and FMD 330.

FMD 456 CAD for Visual Merchandising & Presentation 3(0-4)

Software applications specific to visual merchandising in retail and virtual environments. Emphasis on creation of merchandising directives for product display. This course may be offered in an online format. Prerequisites: FMD 246, 356.

FMD 510 Luxury Fashion Brand Management 3(3-0)

The course provides an in-depth understanding of the international luxury fashion industry and the unique aspects involved in managing luxury fashion brands. This course may be offered in an online or hybrid format. Prerequisite: FMD 246, 358, or graduate status.

FMD 546 Experimental CAD for Fashion 3-9(Spec)

Creative use of CAD software as applied to standards prevalent in the design, manufacture or presentation of fashion goods. May be taken for credit more than once if different software is being used, total credit not to exceed nine hours. This course may be offered in an online format.

FMD 550 Global Apparel Supply Chain Management 3(3-0)

Global Textile and apparel trading systems from the perspective of their operational issues including global business process applications, apparel supply chain management and global logistics. This course may be offered in an online or hybrid format. Prerequisites: 56 semester hours with at least 12 hours in apparel merchandising and design courses including FMD 401.

FMD 556 Advanced Visual Merchandising 3(1-3)

Advanced practice of Visual Merchandising. Creative window and store interior display work. Use of 3D printing for prop and fixture design. Focus on portfolio development. This course may be offered in an online or hybrid format. Prerequisite: FMD 356, and 60 completed credit hours, or graduate standing.

FMD 560 Apparel Product Development 3(1-3)

Analysis of the apparel production process, including quality issues relative to development and production of ready-to-wear apparel. This course may be offered in an online format. Prerequisite: FMD 401; Pre/co-requisites: For Fashion Design Concentration: FMD 447; For Fashion Merchandising Concentration: FMD 332, 410, 510.

FMD 565 3D Printing and Fashion 3(1-3)

Creative exploration of 3D printing as a tool for fashion product innovation and development. Use of varied modeling software applications. This course may be offered in an online format. Prerequisite: FMD 346, or graduate standing.

FMD 608 Historical Fashion Studies 3(3-0)

Advanced investigation of dress history within cultural, political, and economic contexts. Historiography for dress related scholarship. This course may be offered in an online or hybrid format. Prerequisite: FMD 250 or three credits of history or art history at the 400 level or above.

FNS - Foods & Nutrition

FNS 370 Nutrition 3(3-0)

Principles of normal nutrition as related to the health of all age groups. This course may be offered in an online or hybrid format. (University Program Group II-A: Descriptive Sciences)

FNS 378 Maternal and Infant Nutrition 3(3-0)

This course covers the latest research related to women's nutritional requirements throughout their reproductive years including pre- conceptual, antenatal and postnatal period, and infant nutritional requirements. Prerequisite: FNS 370.

FNS 397 Special Topics in Foods and Nutrition 1-6(Spec)

Topics of special interest which are not normally included in existing courses. This course may be offered in an online format. Prerequisites: See Course Search and Registration.

FNS 497 Special Topics in Foods and Nutrition 1-15(Spec)

Topics of special interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course may be offered in an online format.

FNS 512 Global Nutrition 3(3-0)

Nutritional issues faced by populations around the world and in emergencies explored in depth including assessment, prevention, and relief. This course may be offered in an online format. Recommended: FNS 271, 370.

FNS 577 Advanced Topics in Nutrition: Eating Disorders 3(3-0)

Overview of the etiology, differential diagnosis, medical consequences, treatment, and prevention of eating disorders. Obesity in relation to eating disorders will also be addressed. May be offered in an online format. Prerequisite: FNS 370 or graduate status.

FNS 661 Macronutrients 3(3-0)

Advanced study of nutrition, metabolism, and function of proteins, carbohydrates and lipids as related to human health and disease. This course is delivered in an online format. Prerequisites: Admission to the online MS in Nutrition and Dietetics program.

FNS 662 Micronutrients 3(3-0)

Advanced study of nutrition, metabolism, and function of vitamins and minerals as related to human health and disease. This course is delivered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 663 Advanced Eating Disorders and Nutrition 3(3-0)

Factors involved in the etiology, assessment, consequences, treatment and prevention of eating disorders. This course may be offered in an online format. Prerequisite: admission into the MS in Nutrition and Dietetics graduate program.

FNS 664 Advanced Nutrition - Pharmacology 3(3-0)

Issues in pharmacology and drug-nutrient interactions with respect to poly-pharmacy, nutritional and appetitive drug effects. This course may be offered in an online delivery format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 665 Medical, Scientific and Proposal Writing 3(3-0)

Medical, scientific and proposal writing using research and evidence based literature for the submission of publications or proposals to external venues. This course is offered in an online delivery format.

FNS 667 Advanced Nutrition-End of Life Issues 3(3-0)

Issues and controversies in nutrition and end of life care with respect to ethics, decision-making, fiscal and other considerations. This course may be offered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 668 Advanced Nutrition-Pediatrics 3(3-0)

Advanced concepts of diet therapy and care for normal pediatrics and clinical disorders with nutritional implications specific to pediatric patients. This course may be offered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 669 Advanced Nutrition-Sports 3(3-0)

Advanced concepts of nutrition for sports with nutritional implications specific to athletics. This course may be offered in an online format. Prerequisites: Admission to the online MS in Nutrition and Dietetics Program.

FNS 670 Seminar: Nutrition 1-3(Spec)

Professor-led student review and presentation of specific topics of current research in nutrition. This course is delivered in an online format. Prerequisites: Admission to the Master of Science in Nutrition and Dietetics.

FNS 671 Advanced Topics in Nutrition: Geriatrics 3(3-0)

Presents key concepts in geriatric nutrition. Provides students with skills needed to evaluate and utilize information regarding nutrition in health and disease in the older adult. This course is offered in an online delivery format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 672 Advanced Clinical Nutrition 3(3-0)

Course examines advanced concepts of diet therapy and care for a variety of clinical disorders with nutritional implications. Includes coverage of enteral and parenteral nutrition. This course is delivered in an online format. Prerequisites: Admission to the online Master of Science in Nutrition and Dietetics program.

FNS 673 Advanced Nutritional Assessment 3(3-0)

Presents techniques for nutritional assessment of individuals and groups: evaluation of dietary intake, anthropometry, nutritional analysis software, and biochemical, and clinical indices. This course is delivered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 674 Dietetic Internship: Clinical Experience 5(Spec)

Application of dietary principles to human pathophysiologic status through documenting and counseling individuals, assessing, educating groups, and planning in all healthcare and community settings. Prerequisite: Registration is restricted to students accepted into the dietetic internship and the College of Graduate Studies. In some cases, 12 credits may be earned through examination to substitute for the dietetic internship experience.

FNS 675 Dietetic Internship: Foodservice Administration Experience 5(Spec)

Application of administrative principles (budget decisions, cost containment, personnel management, leadership) involved in the production, distribution, and service of food in healthcare and community settings. Prerequisites: Registration is restricted to students accepted into the dietetic internship and the College of Graduate Studies. In some cases, 12 credits may be earned through examination to substitute for the dietetic internship experience.

FNS 676 Dietetic Internship: Summary Experience 2(Spec)

Integration and application of clinical, foodservice, and community nutrition principles and their implementation in all healthcare and community settings. Prerequisite: Registration is restricted to students accepted into the dietetic internship and the College of Graduate Studies. In some cases, 12 credits may be earned through examination to substitute for the dietetic internship experience.

FNS 677 Nutritional Epidemiology 3(3-0)

Presents key concepts of nutritional epidemiology. Enables students to evaluate clinical research investigating the role of nutrition in disease causation and health promotion. This course is delivered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 678 Research Methods and Biostatistics 3(3-0)

Presents key concepts in nutritional research methods and bio- statistics. Provides students with skills needed to evaluate and utilize research methodologies and bio-statistics related to nutrition, health and disease. This course is delivered in an online format. Prerequisite: Admission to the online MS in Nutrition and Dietetics Program.

FNS 679 Advanced Topics in Nutrition: Obesity 3(3-0)

Current theories and analysis of factors contributing to overweight and obesity throughout the lifespan; intervention and weight management options presented. Prerequisites: Admission to the Master of Science in Nutrition and Dietetics or permission of instructor.

FNS 790 Independent Study in Dietetics 2-6(Spec)

Student-initiated study in an area not covered in regular courses guided by faculty or faculty committee. Prerequisites: FNS 678.

FNS 797 Special Topics in Nutrition 1-15(Spec)

Topics of special interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course is approved for offering in a distance learning format.

FNS 798 Thesis in Nutrition and Dietetics 1-6(Spec)

Individual research culminating in a written thesis, and submission of the work to a peer-reviewed publication and/or scholarly exhibition. CR/NC only. This course is delivered in an online format. Prerequisite: FNS 678, permission of instructor.

FNS 799 Capstone in Nutrition and Dietetics 3(3-0)

Manuscript submission to a peer reviewed journal or significant research project completion; oral examination and e-portfolio. This course may be delivered in an online format. Prerequisite: FNS 678, permission of instructor.

GEL - Geology**GEL 100 Introduction to Earth Systems 3(2-2)**

A discovery-based introductory examination of the processes that shape our planet. Topics include the rock cycle, earthquakes, volcanoes, the Ice Age, and plate tectonics. Satisfies University Program Group II laboratory requirement. Credit may not be earned in both GEL 100 and GEL 101, 102, 105 or 130. (University Program Group II-A: Descriptive Sciences)

GEL 101 Physical Geology 3(3-0)

An introduction to the surficial and internal earth processes that shape our world. Topics include plate tectonics, minerals, rocks, volcanoes, earthquakes, and the Ice Age. Credit may not be earned in both GEL 101 and GEL 100, GEL 105, or GEL 130. This course is approved for offering in a distance learning format. (University Program Group II-A: Descriptive Sciences)

GEL 102 Physical Geology Laboratory 1(0-2)

Laboratory study of minerals, rocks, maps, and geologic processes. Satisfies University Program Group II laboratory requirement. Credit may not be earned in GEL 102 and 100 or 130. This course may be offered in an online or hybrid format. Pre/Co-Requisite: GEL 101 or 105. (University Program Group II-A: Descriptive Sciences)

GEL 105 Dangerous Planet 3(3-0)

A survey of the socially important geological topics that affect people and their environment with a focus on natural and anthropogenic geologic hazards. This course may be offered in an online or hybrid format. Credit may not be earned in both GEL 105 and 100, 101, or 130. (University Program Group II-A: Descriptive Sciences)

GEL 130QR Earth Processes 3(2-2)

Introduces geologic processes from a quantitative perspective. Students will investigate, graph, and calculate rates and scales of processes including earthquakes, volcanic eruptions, and groundwater flow. Satisfies University Program Group II laboratory requirement. Credit may not be earned in both GEL 130 and 100, 101, 102, or 105. Quantitative Reasoning. (University Program Group II-B: Quantitative and Mathematical Sciences)

GEL 201 Earth History 3(2-2)

The Earth's history as revealed in the rock record. Geologic processes and concepts are applied to the evolution of North America and life through geologic time. Prerequisites: One of: GEL 100; or GEL 101, 102; or GEL 105, 102; or GEL 130.

GEL 205 Oceanography 3(3-0)

Introduction to the properties and movements of ocean waters; to marine life, the ocean floors, and the effects of the oceans on humans. This course may be offered in an online or hybrid format. Identical to GEO 205, credit may not be earned in both courses. (University Program Group II-A: Descriptive Sciences)

GEL 650 Geology for Science Teachers 3(2-2)

Study of geologic topics treated in the primary and secondary school curricula according to state benchmarks. Developing and writing new field and classroom hands-on activities. This course may be offered in an online or hybrid format. Prerequisites: GEL 102 and 101 or 105, or GEL 100 or 130; GEL 201; admission to the MAT or MA in Education program.

GEO - Geography**GEO 105 Physical Geography 3(2-2)**

An introduction to the physical processes of the atmosphere, hydrosphere, lithosphere, and biosphere and the global distribution of climate, soils, and vegetation. This course may be offered in an online or hybrid format. Satisfies University Program laboratory requirement. (University Program Group II-A: Descriptive Sciences)

GEO 120QR Environmental Geography 3(3-0)

An introduction to the human use of earth resources and quantitative examination of select environmental issues resulting from the societal use/misuse of our planet. Quantitative Reasoning. This course may be offered in an online or hybrid format. (University Program Group II-A: Descriptive Sciences)

GEO 121 Human Geography and Globalization 3(3-0)

This course is an introduction to human geography that provides geographical perspectives on population, the economy, politics, urbanization, and culture. This course may be offered in an online or hybrid format. This course may be offered as writing intensive. (University Program Group III-B: Studies in Social Structures)

GEO 201 Weather and Climate 4(4-0)

Nature of atmospheric processes, weather, and climate - why and how they vary over the surface of the earth.

GEO 203QR Introduction to Geographic Information Science 3(2-2)

Fundamentals of geographic information science - including spatial data gathering, measurement, classification, analysis, display and map interpretation. Current computer mapping technologies are used in laboratory. This course may be offered in an online or hybrid format. Quantitative Reasoning. (University Program Group II-B: Quantitative and Mathematical Science)

GEO 205 Oceanography 3(3-0)

Introduction to the properties and movements of ocean waters; to marine life, the ocean floors, and the effects of the oceans on humans. This course may be offered in an online or hybrid format. Identical to GEL 205, credit may not be earned in both courses. (University Program Group II-A: Descriptive Sciences)

GEO 315 Food and Agriculture 3(3-0)

Study of world production, exchange, and consumption of agricultural commodities with emphasis upon the problems associated with food shortages and the areas most severely affected. This course is approved for offering in an online or hybrid format. Recommended: One of the following: GEO 120, GEO 121, GEO 105.

GEO 340 Urban Geography 3(3-0)

The rise of cities and urbanization. Human use of urban space. The city as environment. This course may be offered in an online or hybrid formats. Recommended: GEO 121 or Junior standing.

GEO 346 Geography of the Developing World 3(3-0)

A geographic analysis of the developing world focusing on processes of environmental, demographic, and socioeconomic change, particularly since World War II. This course may be offered in an online or hybrid format. Prerequisite: Junior standing. Recommended: 9 hours of social science courses.

GEO 350 United States and Canada 3(3-0)

Physical environment, resources, economic activities, population patterns, and inter-regional relationships of United States and Canada. Recommended: One of: GEO 105, 120, 121, junior standing.

GEO 373 Latin America 3(3-0)

Geographic characteristics of Latin America from colonization to present. Regions are interpreted by analysis of geographical elements and their interrelationships. This course may be offered in an online or hybrid format. Recommended: GEO 121 or at least 3 credits in a social science. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

GEO 395 Michigan 3(3-0)

Geographic analysis of the interrelationships between Michigan's geomorphology, biogeography, climate, resource use and protection, agriculture, land division, transportation, demography, economic and urban development. Prerequisite: Junior standing.

GER - German**GER 101 Elementary German I: Language and Culture 4(4-0)**

Designed for students who have had no German. Basic language skills. Introduction to the culture of the German-speaking countries. Students who have had previous preparation in German are required to take a placement exam. Students who have had more than two years of high school German may enroll only with permission of instructor. May be offered in an online format. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

GER 102 Elementary German II: Language and Culture 4(4-0)

Continuation of GER 101. Basic language skills and introduction to the culture of the German-speaking countries. Students with high school preparation in German are required to take a placement test. May be offered in an online format. Recommended: GER 101. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

HDF - Human Development & Family Studies**HDF 100 Lifespan Development 3(3-0)**

Study of the basic principles of human development and their relation to family interactions throughout the lifespan. This course may be offered in an online format. May be offered as Writing Intensive. Recommended: Students who have taken EDU 280 or PSY 220 should seek departmental advice prior to enrollment. (University Program Group III-A: Behavioral Sciences)

HDF 110 Oppression: Roots and Impact on Human Development in the United States 3(3-0)

A study of the roots and impact of different forms of oppression on the development of individuals within the family context. This course may be offered in an online or hybrid format. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

HDF 200 Constructivism as a Tool for Learning 2(2-0)

Using Constructivist philosophy, students will establish their view of the young child, guiding adult, and environment as a lens to frame future teaching practices. This course may be offered in an online format.

HDF 213 Introduction to Human Sexuality 3(3-0)

Human sexual development throughout the life cycle. Emphasis on understanding and acceptance of self as a sexually functioning person. Identical to WGS 213. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format.

HDF 214QR Consumer Economics 3(3-0)

This course introduces financial and resource management skills using quantitative reasoning and mathematical calculations to enhance family financial well-being. This course may be offered in an online or hybrid format. Quantitative Reasoning.

HDF 247 Introduction to Gerontology 3(3-0)

An interdisciplinary approach to the study of aging with a focus on the normal changes that occur as one ages physically, mentally and socially. May be offered as writing intensive. This course may be offered in an online format. (University Program Group III-A: Behavioral Sciences)

HDF 301 Infant Toddler Practicum Experience 1-3(Spec)

A structured observation experience that provides students with the opportunity to apply knowledge of typical infant/toddler development to observed behaviors. This course may be offered in an online format. Prerequisites: HDF 100 or PSY 220 or EDU 280. Corequisite: HDF 302.

HDF 302 Infant and Toddler Development 3(3-0)

The study of pregnancy, prenatal development, childbirth, and the development of infants and toddlers (to 3 years) within the family and the larger social system. This course may be offered in an online format. Prerequisites: HDF 100 or EDU 280 or PSY 220.

HDF 303 Early Childhood Development 4(Spec)

Principles for growth and development of preschool and early elementary children (ages 3-8) from diverse backgrounds and observations of children in early education settings. This course may be offered in an online format. Prerequisite: HDF 100 or EDU 280 or PSY 220.

HDF 307 Parent-Child Relations 3(3-0)

The study of the parent-child relationship, and the impact of that relationship on the development of both children and parents. Prerequisite: one of: HDF 100, EDU 280, or PSY 220.

HDF 308 Theories of Child and Adolescent Development 3(3-0)

Survey of child and adolescent theories of development. Prerequisites: HDF 100 or EDU 280 or PSY 220; Signed major or minor in Child Development, or in Family Studies.

HDF 309 Families, Schools, and Communities 3(3-0)

Study of the child, family, community, and schools, including parent education and involvement in learning, family and community characteristics, child abuse, and family issues. This course may be offered in an online or hybrid format. Prerequisites: HDF 100 or EDU 280 or PSY 220; Pre/Co-requisites: HDF 200.

HDF 320 HDF5 International Service Learning 3-6(Spec)

An international cultural immersion experience working on a service learning project under the supervision of a faculty member. Prerequisite: Permission of instructor; minimum of 2.5 GPA; minimum of 24 CMU credit hours; depending on the service project approved, prerequisites may include language credit or ability, completion of specialized courses, or demonstration of appropriate skills for the project. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition, Option 2)

HDF 321 International Reggio-Inspired Early Childhood Learning 3(Spec)

An international cultural immersion experience studying early childhood education as it is inspired by the early childhood centers of Reggio Emilia, Italy. Prerequisites: HDF 200 or 25 semester hours completed.

HDF 397 Special Topics in Human Development & Family Studies 1-6(Spec)

Topics of special interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course may be offered in an online format. Prerequisites: See Course Search and Registration.

HDF 400 Developmental Assessment of Children 3(3-0)

Focus on the purpose of assessment, with emphasis on methods and skills used in assessing young children's development. Collaboration with parents and professionals is emphasized. This course may be offered in an online or hybrid format. Prerequisites: Two of: HDF 302, 303, 306, 510.

HDF 402 Guidance for Young Children 3(Spec)

Methods and theories of guidance for working with children in early childhood settings. Supervised laboratory experiences. This course may be offered in an online format. Prerequisites: HDF 200; HDF 302, 303 with a grade of C+ or better; Junior Status. Recommended: HDF 403.

HDF 403 Best Practices in Early Childhood Settings 3(3-0)

Knowledge and application of evidence-based practices in early childhood settings. Opportunities to plan experiences in science, social studies, language, nutrition, movement and arts. This course may be offered in an online format. Prerequisites: HDF 200; HDF 302, 303 with a grade of C+ or better. Recommended: HDF 402.

HDF 404 Children and Hospitalization 3(3-0)

This course focuses on children and hospitalization from developmental and contextual perspectives. Coping challenges and strategies to assist coping with hospitalization are examined. This course may be offered in online or hybrid format. Prerequisite: HDF 100 or PSY 220 or EDU 280.

HDF 409 Lead Teaching in Early Childhood 8(Spec)

Development of professional skills for working with young children and families. Supervised lead teaching experience in the Child Development and Learning Laboratory. This course may be offered in an online format. Prerequisites: HDF 309, C+ or better in HDF 402 and 403. Pre/Co-requisite: HDF 400.

HDF 418 Family Development in Late Life 3(3-0)

This course examines individual development and aging within the context of the family: marriage, singlehood and widowhood; intergenerational relations and grandparenthood; sibling relations and friendships. This course may be offered in an online format. Prerequisites: One of the following: HDF 100, HDF 247, PSY 100, SOC 100.

HDF 490 Independent Study in Human Development & Family Studies 1-6(Spec)

A student-initiated learning activity focusing on a faculty approved topic in Human Development and Family Studies. Prerequisite: Permission of Instructor.

HDF 497 Special Topics in Human Development & Family Studies 1-15(Spec)

Topics of special interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course may be offered in an online format. Prerequisites: See Course Search and Registration.

HDF 508 Early Childhood Program Administration and Leadership 3(3-0)

The role of the early childhood program director as leader and architect of the work environment and climate. This course may be offered in an online format. Prerequisites: HDF 302, 303, 309; or graduate status.

HDF 510 Child Development Seminar: Promoting Resilience 3(3-0)

Through integration of theory, research, and practice, this course focuses on encouraging positive developmental outcomes and resilience in children and adolescents facing stressful life circumstances. Prerequisites: Two of: HDF 302, 303, 306, 308; or Human Development and Family Studies graduate standing.

HDF 597 Special Topics in Human Development & Family Studies 1-15(Spec)

Topics of special interest which are not normally included in existing courses. Specific topic will be listed on student's transcript. This course may be offered in an online format. Prerequisites: See Course Search and Registration.

HDF 631 Gerontology: Theory and Practice 3(3-0)

Course examines multidisciplinary gerontological theory and practice. Spans early disease models, successful aging, postmodern paradigms and implications for practice. Emphasizes relationship between theory and practice. This course may be offered in an online format. Prerequisite: graduate status.

HDF 632 Public Policy and Aging 3(3-0)

Course addresses the development of social policy in the context of population aging. Emphasizes analysis of current and long-term implications on policy decisions. This course may be offered in an online format. Prerequisite: graduate status.

HDF 634 Statistical Applications in Human Services 3(3-0)

This course introduces students to the statistical data analyses within an interdisciplinary context in the human services. This course may be offered in an online format. Recommended: An undergraduate course in methods and statistics.

HNS - Environmental Health and Safety**HNS 300 Special Topics in Environmental Health and Safety 1-3(Spec)**

Selected topics/current issues of interest in Environmental Health and Safety not included in existing courses. Current course topic is listed in the semester Class Schedule. Repeatable up to 3 credits when content does not duplicate previous topics studied. This course may be offered in an online format. Prerequisite: At least one 100-level course on the Environmental Health and Safety major. See semester Class Schedule for specific course required for the Special Topic.

HNS 390 Independent Study 1-3(Spec)

Student-initiated study guided by a faculty member associated with the Environmental Health and Safety major. This course may be offered in an online format. Prerequisites: One course at the 200-level or above on the Environmental Health & Safety major; permission of instructor.

HON - Honors**HON 310 Honors Academic Service Learning 1-4(Spec)**

This course offers an opportunity for honors students to perform targeted academic-based service work under the supervision of a CMU faculty member. This course may be repeated when offered with a different focus of study. This course may be offered in an online or hybrid format. Prerequisites: HON 100; good standing in Honors.

HSC - Health Sciences**HSC 107 Drugs and the Athlete 1(1-0)**

An orientation in basic chemical substances and nutrition as an ergogenic aid as they affect athletic performance. This course may be offered in an online hybrid format.

HSC 110 Introduction to Public Health 2(2-0)

Introduction to Public Health focusing on current and emerging issues in the community. The course addresses appropriate responses to problems related to current health issues. This course may be offered in an online format.

HSC 211 Human Anatomy and Physiology 3(3-0)

Covers basic structure and function of the human body. Prepares non-science majors and health profession students to take advanced human anatomy and physiology courses. Recommended: Successful completion of a college level science course or a strong background in basic sciences, i.e. high school biology or chemistry.

HSC 221 Public Health Theory 2(2-0)

The course builds on basic public health concepts and theory and how they are incorporated into intervention, design and evaluation of individual, group and communities. This course may be offered in an online format. Prerequisite: HSC 110.

HSC 235 Psychoactive Drugs 3(3-0)

The study of psychoactive drugs: what they are; how they work; and why people use and/or abuse them. Not open to students with credit in HSC 528, 529, or 530. This course may be offered in an online or hybrid format.

HSC 317 Community Health 3(3-0)

Introduction to public health, and services provided to citizens and educators by official and voluntary health agencies. This course may be offered in an online or hybrid format.

HSC 325 Public Health Policy 3(3-0)

The course presents an overview of public health policy issues, interventions, and the influence of the political, bureaucratic and social environments. This course may be offered in an online delivery format. Prerequisite: HSC 110; Pre/Co-requisites: HSC 221.

HSC 343 Health Education in the Elementary School 2(2-0)

A study of health education programs and practices for teachers at the elementary school level. Prerequisite: Tier Two: Pre-Admission of Candidacy to Teacher Education.

HSC 352 Environmental Health 3(3-0)

Investigates today's environmental problems related to health, air, water, radiation, housing, urbanization, disease, weapons, and humans' responsibilities for and remedial actions to these problems. This course may be offered in an online format.

HSC 390 Health and Aging 3(3-0)

A study of age-related changes of the body, health concerns, healthy lifestyles and health care for older adults.

HSC 503 Health Implications of Obesity 3(3-0)

Obesity will be studied with special emphasis on prevalence and etiology. Modes of prevention and treatment including diet and exercise will also be discussed. Prerequisites: 56 hours completed or graduate standing.

HSC 507 Introduction to Health Service Organizations and Systems 3(3-0)

Macro level study of healthcare systems including delivery, integration, reimbursement mechanisms, multi-organizational and inter-organizational arrangements, health policies, and future solutions. This course may be offered in an online or hybrid format.

HSC 516 Travel Course in Health Education 1-15(Spec)

Topics scheduled to study health education, private and voluntary health care programs, museums, hospitals, health clinics, city and school health programs. Prerequisite: Permission of instructor.

HSC 519 Death Education and Suicide Prevention 3(3-0)

A holistic study of the cultural, spiritual, legal, ethical, psychological and controversial aspects of death. Emphasis will also be placed on suicide prevention. Prerequisites: must have completed a minimum of 60 semester hours of coursework.

HSC 520 Health Services Administration 3(3-0)

Analysis of organizational patterns, planning procedures, fiscal management, personnel management, and other administrative concerns. This course may be offered in an online or hybrid format.

HSC 523 AIDS Education 1(1-0)

A concentrated study of Acquired Immune Deficiency Syndrome including the origin, prevalence, spread, disease process, psychosocial aspects and implications for society. This course may be offered in an online or hybrid format. Prerequisite: HSC 106 or teaching certificate.

HSC 526 Behavioral Health 3(3-0)

Concentrated study of mental health and illness as related to home, school, and community. This course may be offered in an online or hybrid format.

HSC 529 Alcohol Education Workshop 1(1-0)

Concentrated study of physiological, psychological, and sociological aspects of alcohol education. Not open to students with credit in HSC 235. This course is approved for offering in a distance learning format.

HSC 530 Drug Abuse Workshop 1(Spec)

Concentrated study of the effects of drugs and narcotics. Roles of home, school, and community in drug education. Not open to students with credit in HSC 235. This course is approved for offering in a distance learning format.

HSC 532 Diversity Issues in the Health Professions 3(3-0)

This course covers diversity issues in order to help students become effective, multiculturally competent health practitioners. This course may be offered in an online format. Prerequisites: ATR 383 or HSC 317; or graduate standing.

HSC 537 Stress Reduction Workshop 1(Spec)

Systematic evaluation of stress and methods used to effectively reduce stress to promote and maintain health and wellness. Prerequisite: 50 credit hours completed or graduate standing.

HSC 538WI Development of Proposals and Reports in Health Administration 3(3-0)

Emphasize format, content, and writing skills necessary for administration of health programs to prepare grant applications, proposals, reports, and written communications. Writing Intensive. Prerequisites: 56 credit hours completed or graduate standing. Recommended: Signed major in Health Administration or Public Health Education.

HSC 545 Health Planning 3(3-0)

Capstone course that brings together major aspects of managing healthcare organizations and programs into the strategic planning process and methodologies. This course may be offered in an online or hybrid format. Prerequisites: HSC 500, 507, 520, 544. Pre/Co-requisites: HSC 570. Recommended: MKT 300; HSC 333, 538.

HSC 552 International Health Systems, Organizations and Policy 3(3-0)

This course presents an overview of health systems structure, service delivery, administrative processes and policy dimensions from an international perspective. Health systems, programs and initiatives from various countries and cultural settings are studied as are global health agencies involved in the coordination of health improvement efforts. This course is approved for offering in a distance learning format. Prerequisites: HSC 317.

HSC 570 Financial Aspects of Health Services Organizations 3(3-0)

This course addresses the main issues surrounding financial administration of health services organizations, particularly hospitals. Prerequisite: ACC 201.

HSC 571 Legal Aspects of Health Services Organizations 3(3-0)

The issues studied are hospital liability, informed consent, medical staff appointments, tort and health services, ethical issues related to health care.

HSC 572 Quality Improvement in Health Services 3(3-0)

Basics, implementation and application of quality management and improvements specific to health care. Statistical principles and illustrative cases are presented. Recommended: HSC 520.

HSC 581 Managed Care: Origins, Organizations, and Operations 3(3-0)

Covers managed care programs, including Accountable Care Organizations, structures, and practice models, role of physicians and other clinicians, capitation and forms of reimbursement. This course may be offered in an online or hybrid format. Prerequisite: HSC 507. Recommended: HSC 520.

HSC 612 Individualized Learning Experiences 1-10(Spec)

An advisor or an advisory board will assign health-education learning experiences based on needs, background, and projected goals. Students must have the approval of their academic advisors before registering for the course. CR/NC only. Prerequisites: Approval of the academic advisor and permission of the course advisor.

HSC 617 Community and Public Health 3(3-0)

Problems of public health, public health services available to the community, and organization of programs of local, state, and national health agencies.

HSC 700 Program Evaluation in the Health Fields 3(3-0)

Major concepts, issues, and methodologies concerning the evaluation of health services delivery systems will be presented. Included is design, reporting, and utilization of findings.

HSL - Health Systems Leadership**HSL 611 Healthcare Administration and Ethical Compliance 3(3-0)**

This course emphasizes administrative, organizational and ethical theory, principles, and concepts as they relate to healthcare leadership decision-making and accountability. This course may be offered in the classroom, online or hybrid.

HSL 621 Healthcare Operations and Structures 3(3-0)

Examination of organizational and structural issue in healthcare organizations, concentrating on Managed Care operations and Accountable Care Organizations. This course may be offered in the classroom, online or hybrid.

HSL 631 Healthcare Law, Compliance and Risk Management 3(3-0)

This course emphasizes legal, compliance and risk management theory, principles, and concepts as they relate to healthcare organizational decision-making and accountability. This course may be offered in the classroom, online or hybrid.

HSL 641 Health Economics and Policy Implication 3(3-0)

This course emphasizes the interrelationship between health economics and the development of health care policy in the United States and globally. This course may be offered in the classroom, online or hybrid. Recommended: A course in Economics such as ECO 201, 202, or 203; or a graduate course in Economics.

HSL 651 Fundamentals of Healthcare Finance 3(3-0)

This course focuses on the most important accounting and financial management principles and concepts relevant to department-level management of health services organizations. This course may be offered in the classroom, online or hybrid. Prerequisites: A course in accounting such as ACC 201 or ACC 250; or a graduate course in accounting.

HSL 661 Healthcare Planning & Marketing 3(3-0)

This course emphasizes models and methods for effectively planning for the delivery of healthcare services and the marketing of those services. This course may be offered in the classroom, online or hybrid.

HST - History**HST 110 The American Experience 3(3-0)**

Thematic survey of American history. Possible topics include: changing concepts of American democracy, the role of the frontier, immigration, labor and business in America. May be offered as Writing Intensive (University Program Group I-A: Human Events and Ideas.)

HST 111 The Quest for Liberty: The United States to 1865 3(3-0)

Explores the U.S.'s emergence from imperial colonies into a nation "dedicated to the proposition that all men are created equal" and antebellum struggles toward equality. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

HST 112 The Struggle for Equality: The United States, 1865-Present 3(3-0)

A broad and interpretative study of the United States since the Civil War. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

HST 120 Unlikely Princesses: Women of World History 3(3-0)

An examination of "dangerous" women in world history who would not make good cartoon princesses. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas)

HST 200 Medieval Civilization 3(3-0)

Explores the events and cultural developments of the Middle Ages, the period in European history satirized so brilliantly in "Monty Python and the Holy Grail." May be offered as Writing Intensive. May be offered in an online format. (University Program Group I-A: Human Events and Ideas)

HST 221 Growing Up in America 3(3-0)

Learn how childrearing, family life, education, and the transition to adulthood have changed from colonial times to the present. May be offered as Writing Intensive. May be offered in an online format. (University Program Group III-B: Studies in Social Structures)

HST 312 American Military Experience 3(3-0)

The role of American armed forces in peace and war. As social institutions the armed forces reflect political, social, and economic developments of the time. This course is approved for offering in a distance learning format.

HST 315 The Vietnam War 3(3-0)

Examines the modern conflicts in Vietnam, the American experience in Indochina from 1945 to 1975, and the war's implications for the United States.

HST 320 United States Social History to 1865 3(3-0)

Examines social structures in early America-including family life, religion, and slavery - and analyzes the nineteenth-century origins of modern socio-economic institutions. This course may be offered in an online or hybrid format. May be offered as Writing Intensive.

HST 321 United States Social History since 1865 3(3-0)

Examines the experiences of different class, age, gender and ethnic groups in America; stresses the historical roots of current social problems. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

HST 323 History of Native Americans 3(3-0)

This course analyzes the study of Native peoples of North America before Columbus and the inter-relationships between the Native peoples and European immigrants after Columbus. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

HST 324 "Death is Better than Slavery": African American History to 1877 3(3-0)

Explores African American social, cultural, and political life from the origins of the transatlantic slave trade to the late nineteenth century. May be offered as Writing Intensive. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

HST 325 "By Any Means Necessary": African American History, 1877-Present 3(3-0)

Explores African American social, cultural, and political life from the late nineteenth century to the present, including the modern civil rights movement. May be offered as Writing Intensive. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

HST 326 Women in America 3(3-0)

Study of the traditional position of women in American society as documented in historical, literary, and biographical sources. Identical to WGS 328. Credit may not be earned in more than one of these courses. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas)

HST 333 History of Michigan 3(3-0)

A study of the development of Michigan from earliest settlement by Native Americans to the present, focusing on economic, social, and political history.

HST 525 The Industrialization of America 3(3-0)

This course analyzes how industrialization transformed America and how it altered living standards, culture, lab, business, and politics. This course may be offered in an online format. May be offered as Writing Intensive. Recommended: At least 12 hours of humanities and social science.

IET - Industrial and Engineering Technology**IET 130 Industrial Materials and Testing 3(2-2)**

An overview of industrial materials including metals, plastics, composites and ceramics. Topics include material properties, material selection, and material testing.

IET 154 Engineering Design Graphics 3(2-2)

Focus on engineering design fundamentals, design processes, and the utilization of graphics within design. Computer-Aided design and product data management techniques are covered.

IET 170 Manufacturing Processes I 3(1-4)

Introduction to the processing of metal materials through casting, fabricating, machining, and basic welding.

IET 181QR Alternative Energy Analysis 3(2-2)

A quantitative comparison and analysis of current alternative energy technologies and systems. Quantitative Reasoning.

IET 223QR Lean Six Sigma for Process Improvement 3(3-0)

The utilization of mathematical and statistical tools to improve product and process quality. This course may be offered in an online or hybrid format. Quantitative Reasoning. Prerequisite: MTH 105; permission of E&T advisor; cumulative GPA of 2.5 or higher. Recommended: STA 282.

IET 226 Parametric Design and Modeling 3(2-2)

Development and production of engineering and technical models with a mechanical computer-aided design system. An introduction to parametric design and modeling. Prerequisite: IET 154; permission of E&T advisor; cumulative GPA of 2.5 or higher.

IET 279 Applied Statics 3(3-0)

This course will cover force systems, resultants and equilibrium, trusses, frames, beams, and shear and moments in beams. Prerequisites: One of the following: MTH 130, 132, 133; PHY 130 or 145; PHY 170 or 175; permission of E&T advisor; cumulative GPA of 2.5 or higher.

IET 281 Dynamics 3(3-0)

Study and engineering application of relationship between the forces acting on a body, the mass of the body, and the motion of the body. Prerequisites: IET 279 or EGR 251 with a grade of C- or better; MTH 132 or 133; permission of E&T advisor; cumulative GPA of 2.5 or higher.

IET 291 Applied Circuits 3(2-2)

A study of the fundamentals of applied circuits including Direct Current (DC) circuits, Alternating Current (AC) circuits, and basic electronics. Prerequisites: One of the following: MTH 130, 132, 133; permission of E&T advisor; cumulative GPA of 2.5 or higher. Pre/Co-requisites: PHY 131 or 146; PHY 171 or 176.

IET 324WI Product Design and Development 3(2-2)

Ideation, conceptualization, and development of consumer products. Utilization of freestyle and NURBS based computer-aided design tools to solve product design problems. Writing Intensive. Prerequisite: IET 226; permission of E&T advisor.

IET 327 Industrial Safety 3(3-0)

A study of the principles and practices of safety management with emphasis on occupational safety standards and loss control. Prerequisite: CHM 120 or CHM 131; permission of E&T advisor.

IET 350 Mechanism Design 3(3-0)

Study of mechanisms with graphical and analytical analysis of displacement, velocity, acceleration, motion, gearing, gear trains, linkages, and cams. Prerequisite: IET 279 or EGR 251 with a grade of C- or better; permission of E&T advisor.

IET 357 Residential Architectural Graphics 3(1-4)

Modern house planning resulting in a complete set of plans and specifications. This course is approved for offering in a distance learning format; permission of E&T advisor.

IET 363 Building Code Enforcement 3(3-0)

A comprehensive study of construction building code enforcement. Topics will include the permit process, inspection process, and the legal aspects of building code enforcement. Recommended: IET 361. This course is approved for offering in a distance learning format; permission of E&T advisor.

IET 365 Manufacturing Processes II 3(2-2)

Introduces basic polymer formulation, properties of plastics materials, methods of molding plastics, and the fabrication and decoration of plastic articles. Prerequisites: CHM 120 or 131; IET 130, 170; permission of E&T advisor.

IET 367 International Building Codes 3(3-0)

Comprehensive study of the International Building Codes. Topics include International Building, Electrical, Plumbing, Mechanical, and Fire Codes. Recommended: IET 361. This course is approved for offering in a distance learning format; permission of E&T advisor.

IET 368 International Residential Code 3(3-0)

Comprehensive study of International Residential Code for One and Two-Family Dwellings. Topics include all residence code requirements for building a home according to IRC 2000. Recommended: IET 361. This course is approved for offering in a distance learning format; permission of E&T advisor.

IET 375 Robotics 3(2-2)

Introduction to industrial robotics including robot classifications, components and functions, programming, and applications. Prerequisites: CPS 180 or EGR 200; IET 291 or EGR 290; One of the following: MTH 132, 133, 217; permission of E&T advisor.

IET 377 Computer Numerical Control Programming 3(2-2)

Programming and operation of CNC machines, including CNC vertical milling center and turning center. Emphasis on manual programming, CAM design, and machine setup and operation. Prerequisites: IET 154, 170; permission of E&T advisor.

IET 379 Mechanics of Materials 3(3-0)

Introduction to methods of determining the internal stresses and deflections of basic load-carrying members of construction and machine applications. Prerequisites: IET 279 or EGR 251 with a grade of C- or better; MTH 132 or 133; permission of E&T Advisor.

IET 420 International Engineering Technology 1-6(Spec)

Engineering and technology applications, issues, and perspectives in international settings. Travel abroad required. May be repeated once. Any interested students should contact the IET Department. Prerequisites: 12 hours of IET credit; permission of E&T advisor.

IET 424 Human Factors and Ergonomics 3(3-0)

The study of methods and tools used in the fields of human factors and ergonomics to design and improve jobs, tasks, and products. Prerequisite: IET 324. Recommended: IET 327; permission of E&T advisor.

IET 425 Industrial Internship 2-8(Spec)

Supervised work experiences in industry. CR/NC only. Prerequisite: departmental permission.

IET 427 Product Reliability and Safety 3(3-0)

A study of product reliability and safety factors affecting the design, production, distribution, sales, and use. Prerequisite: 12 hours of IET coursework; permission of E&T advisor.

IET 450 Mechanical Computer-Aided Engineering 3(2-2)

Mechanical components design, structural analysis, and mechanism analysis by using computer aided design system and simulation tools. Prerequisites: IET 226, 350, 379; permission of E&T advisor.

IET 451 Geometric Dimensioning and Tolerancing 3(2-2)

Fundamentals of Geometric Dimensioning and Tolerancing concepts as interpreted in ASME standard Y14.5. This course may be offered in an online or hybrid format. Prerequisite: IET 226; permission of E&T advisor.

IET 454 Machine Design 3(2-2)

Theory and application of machine element fundamentals in design and analysis of mechanical systems for safe operation. Prerequisites: IET 350; IET 379 or EGR 255; permission of E&T advisor.

IET 455 Tool Design 3(2-2)

Covers the process of planning and developing tools, fixtures, and devices for efficient and economical manufacture of a product. Prerequisites: IET 170, IET 226; permission of E&T advisor.

IET 458 Surface Modeling 3(2-2)

Development and production of industrial and engineering designs with conceptual and parametric surface modeling tools. Utilization of curve and surface functions to interpret engineering designs. Prerequisites: IET 226, MTH 132; permission of E&T advisor. Recommended: IET 324.

IET 488 Computer Aided Product Design Capstone 3(1-4)

Integration of design processes, techniques, systems, and technologies toward the solving of a product design problem. Prerequisite: IET 324. Pre/Co-requisites: IET 458 and Senior Standing.

IET 499 Industrial Projects Capstone 3(1-4)

The integration of appropriate methods, procedures, and techniques for the analysis of industrial projects and implementation of solutions via a team approach. Prerequisites: IET 450, 454 with a signed Mechanical Engineering Technology Major or IET 324, 458 with a signed Product Design Engineering Technology Major or IET 377, 500 with a signed Industrial Engineering Technology Major.

IET 500 Production Concepts 3(3-0)

Comprehensive review of current factors which influence productivity. Emphasis is placed on the integration of people, methods, machines, materials, and management. This course may be offered in an online or hybrid format. Prerequisites: IET 327; STA 282; or graduate standing and statistics competency; permission of E&T advisor.

IET 501 Application of Industrial Management Principles 3(3-0)

A study of industrial management as a process of coordination that exhibits different patterns depending on the manager's level in the organization and functional responsibilities. This course may be offered in an online or hybrid format. Prerequisites: STA 282 or graduate standing and statistics competency; permission of E&T advisor.

IET 524 Technology and Environment 3(3-0)

A study of the relationship between technology and environment. A systems approach is utilized to examine the optimization of technology within environmental constraints. This course may be offered in an online or hybrid format. Prerequisite: 12 IET credit hours or graduate standing; permission of E&T advisor.

IET 590 Green Building and Sustainability 3(3-0)

Comprehensive study of the principles of Green Building and Sustainability. Topics include sustainability, xeriscaping, high performance building, energy efficiency, indoor air quality and environmental stewardship. This course is approved for offering in a distance learning format. Prerequisites: IET 361, 368 or graduate standing; permission of E&T advisor.

IET 620 Advanced Materials 3(2-2)

This course covers advanced topics in industrial materials. Topics include material properties, material selection, material testing and nanotechnology. This course may be offered in an online or hybrid format. Prerequisite: IET 501 or IET 550.

IET 650 Project Management 3(3-0)

Modern project management showing basic phases of a project, conceptual and detailed design, efficient completion within budget and schedule. This course may be offered in an online or hybrid format. Prerequisite: IET 501 or Graduate Status.

IET 670 Lean Manufacturing & Six Sigma Quality 3(3-0)

Lean manufacturing and six sigma quality related to product, process, and manufacturing operations. This course may be offered in an online or hybrid format. Prerequisites: IET 500; STA 580.

IET 680 Sustainability and Green Technology 3(3-0)

Concepts of engineering and technology utilizing the framework of sustainability related to green energy technology. This course may be offered in an online or hybrid format. Prerequisite: IET 524.

IND - Interior Design**IND 332WI Human Shelter and Environment 3(3-0)**

Course explores the interrelationship between the built, cultural and natural environments and human behavior, perception and social interaction. This course may be offered in an online format. Writing Intensive. (University Program Group III-A: Behavioral Sciences)

ITC - Information Technology**ITC 190 Computer Hardware Concepts, Installation, Configuration, and Support 3(3-0)**

Basic computer organization, overview of computer components, properties of peripheral devices, processes management, physical and virtual memory management techniques, resource allocation and protection.

ITC 191 Computer Software Concepts, Installation, Configuration, and Support 3(3-0)

User view of system resources, file systems and operations, start-up, configuration files, software installation, dependencies, deinstallation, simple scripts, batch files, and account management basics.

ITC 265 Basics of Data Communications and Computer Networks 3(3-0)

Concepts of data communications and networks with Internet focus. Introduction and examination of principles and protocol mechanisms with application to practical contexts. Prerequisites: ITC 190, 191; CPS 110 or 180.

ITC 320 Web Application Development - Client-Side Scripting 3(3-0)

Creating web-based applications with a focus on graphical user interfaces, event driven, object-oriented programming and dynamic, animated web pages. Prerequisite: ITC 111 or CPS 181 or BIS 324. Recommended: CPS 165.

ITC 341 Introduction to Databases and Applications 3(3-0)

Database concepts, data models, relational databases, query language SQL, simple database programming. Design and develop databases for various applications using database management systems. Prerequisites: CPS 181 or ITC 111.

ITC 495 Senior Internship 1-3(Spec)

Supervised work experience in information technology. Up to 3 hours taken may count toward the IT major requirement. CR/NC only. Prerequisites: senior standing in information technology; written permission of department chairperson.

JRN - Journalism**JRN 105 Social Media in Society 3(3-0)**

The development and impact of social media on society, message control, and the goals and objectives in communication with audiences. This course is offered in an online format only.

JRN 250 Social Media: Managing the Message 3(3-0)

Select, use and analyze social media to build relationships, network, distribute messages and develop strategies for organizations. This course is offered in an online format only. Prerequisite: JRN 105 with a C or better.

JRN 350 Public Relations Principles and Practices 3(3-0)

Concepts and principles of public relations practiced by corporations, agencies, non-profits and other organizations. Role of the practitioner stressed. This course may be taken in an online or hybrid format.

JRN 360 Advertising Principles 3(3-0)

Organization of today's advertising industry; role of advertising in promotion; examination of types of advertising and media vehicles. This course is approved for offering in an online or hybrid format.

JRN 370 Social Media Legal and Ethical Issues 3(3-0)

Students investigate and analyze legal and ethical issues in social media to develop appropriate standards and policies for an organization. This course is offered in an online format only. Prerequisite: JRN 250 with a C or better.

JRN 460 Social Media Practicum, Portfolio and Plan 3(3-0)

A supervised, eight-week practicum for integrating social media into an organization's communications. This course is offered in an online format only. Prerequisites: JRN 370 with a C or better. Written authorization (CMU approved forms) is required from the faculty advisor and on-site practicum supervisor prior to the start of the course.

JRN 670 Public Relations Management 3(3-0)

Organization and management of the public relations function in business, industry, various institutions and public relations firms: counseling, planning, budgeting, personnel management. This course is approved for offering in a distance learning format.

LDR - Leadership Studies**LDR 200 Introduction to Leadership 3(2-2)**

Introduction to theoretical, philosophical, and conceptual foundations of leadership. Emphasis on styles and approaches to leadership related to the humanities, natural sciences, and social sciences. This course may be offered in an online format.

LDR 302 Field Experience in Leadership 3(Spec)

The application of leadership theories, skills and practices within a supervised organizational setting involving work, volunteer/community service, or project management. Course may be offered in an online format. Prerequisites: LDR 200, 45 credit hours completed and a signed leadership minor.

LDR 320 Leadership and Service in Nonprofits 3(3-0)

Students will experience and apply leadership models specific to nonprofits. This course will emphasize social change leadership and service-based projects. This course may be offered in an online or hybrid delivery format. Prerequisite: LDR 200.

LDR 499 Contemporary Issues in Leadership 3(3-0)

An integrative capstone course designed to synthesize theory, skills, and applications of leadership. Students will explore personal values, ethical decision-making, and organizational functions of leadership. This course may be offered in an online format. Prerequisites: LDR 302, COM 461, signed leadership minor.

MBA - Master of Business Administration**MBA 503 Professional Business Communications 2(2-0)**

Developing professional business communications skills within a team environment. Emphasis on both written and oral communications utilizing current technologies. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 504 Using Financial Accounting Information 2(2-0)

Introduces use of financial accounting income statements, balance sheets, and statements of cash flow in managerial planning, control, and evaluation.

Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 505 The Economic Environment of Business 2(2-0)

Provides the economic tools necessary for graduate study in business: demand and supply, elasticity, costs and production, competitive and monopolistic markets, macroeconomics, and international trade. Not open to economics graduate students. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 506 Legal Environment of Business 2(2-0)

Basic concepts concerning the interrelationships of business and its external environments. Managerial participation in and response to public policy issues and their resolutions. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 507 Introduction to Marketing Management 2(2-0)

An introduction to the marketing management process including the marketing environment, buyer behavior, marketing analysis, segmentation, marketing strategy, the marketing mix, and social/ethical issues. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 508 Management and Organization 2(2-0)

Introduction to the internal structure, processes, and control of organizations. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 509 Production/Operations Management 2(2-0)

Concepts and applications of production and operations management in business and industry. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 510 Financial Management and Analysis 2(2-0)

An introduction to basic finance principles and tools including the time value of money, risk and return, capital budgeting and the interpretation of financial statements. Prerequisites: admission to the MBA program, or permission of the MBA director.

MBA 511 Statistics for Managerial Decisions 2(2-0)

An introduction to descriptive and inferential statistics in a business decision context. Applications of various t-tests, ANOVA, multiple regression, and cross-tabulation are emphasized. Prerequisites: admission to the MBA program, or graduate status and permission of the MBA director.

MBA 609 Information Systems Management 2(2-0)

Examination of issues involved in managing and deploying information systems in organizations with an emphasis on technologies and human factors that support competitive strategies. This course is approved for offering in a distance learning format. Prerequisites: knowledge of advanced business applications in spreadsheets, database, and presentation graphics software, admission to the MBA program or permission of the MBA director.

MBA 610 Managing Information Systems in a Global Economy 3(3-0)

The management and deployment of information systems (IS) in organizations around the world, creating value from IS assets and exploring emerging technologies. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 619 Accounting Information for Managers 2(2-0)

Investigates the central role accounting systems play in managerial evaluation, control, and planning. This course is approved for offering in a distance learning format. Prerequisite: Admission to the MBA program or permission of the MBA director. Recommended: MBA 504, MBA 510, and BUS 600.

MBA 620 Managerial Accounting: A Management Perspective 3(3-0)

Investigates the central role accounting systems play in the planning, control, and decision making by managers. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 629 Managing Behavioral Change 2(2-0)

A study of organization culture and behavior which emphasizes the importance of and need for influencing individual and small group behavior in contemporary organizational settings. This course is approved for offering in a distance learning format. Prerequisite: Admission to the MBA program or permission of the MBA director. Recommended: MBA 508.

MBA 630 Managing and Leading Individuals and Groups in Organizations 3(3-0)

A study of the frameworks used to understand and lead individual and group behavior and the processes used to create organization change. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 639 Quantitative Applications for Managers 2(2-0)

The application of quantitative methods to managerial decisions. Applications include optimization, modeling, and simulation, and focus on using the computer to support decision making. This course is approved for offering in a distance learning format. Prerequisite: Admission to the MBA program or permission of the MBA director. Recommended: MBA 504, BUS 600, and knowledge of advanced business applications in spreadsheet software.

MBA 640 Data Analysis for Managers 3(3-0)

Understanding and applying quantitative methods of data analysis that facilitate getting information for business decisions from the raw data that business professionals have available. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 649 Marketing Management 2(2-0)

Dynamic nature and managerial aspects of marketing. Formulation of analytical decisions concerning marketing strategy. This course is approved for offering in a distance learning format. Prerequisites: Admission to the MBA program or permission of the MBA director. Recommended: MBA 503 and MBA 507.

MBA 650 Marketing-Based Management 3(3-0)

Dynamic nature and managerial aspects of customer-centric marketing. Formulation of analytical decisions concerning marketing strategy. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 659 Managing in a Global Economy 2(2-0)

Covers challenges of globalization of product- and factor-markets, managing subsidiaries and influencing affiliates in diverse cultures, in industrialized and emerging economies. This course is approved for offering in a distance learning format. Prerequisite: Admission to the MBA program or permission of the MBA director. Recommended: MBA 508.

MBA 660 Global Business and Sustainability 3(3-0)

This course is designed to enable students to discuss and apply the major international business and sustainability issues and theories facing global managers. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 669 Financial Decision-Making 2(2-0)

This course provides a framework for the analysis of the investment and financing decisions of the firm and an understanding of how to apply finance theory to practical situations. This course is approved for offering in a distance learning format. Prerequisites: MBA 504, MBA 510, and BUS 600. Admission to the MBA program or permission of the MBA director.

MBA 670 Financial Analysis and Risk Management 3(3-0)

Course provides a framework for analysis of investment and financing decisions of the firm and understanding of how to apply finance theory to practical solutions. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 679 Economic Analysis for Managers 2(2-0)

Application of economics and statistics to business decisions. Integration of theory with issues from Business Week and The Wall Street Journal. Development of business regression models. Recommended: ECO 600 and BUS 600. Prerequisite: Admission to the MBA program or permission of the MBA director. This course is approved for offering in a distance learning format.

MBA 680 Global Economic Environment 3(3-0)

The global economy and its impact on managerial decision making. Economic growth, fiscal and monetary policy, trade, exchange rate determination, capital and financial flows. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MBA program.

MBA 689 Strategic Management 2(2-0)

Focuses on developing competitive business strategies through a process of analyzing environments, establishing and implementing strategies, and evaluating results. This course is approved for offering in a distance learning format. Prerequisites: completion of 14 hours of MBA program including the following courses: MBA 619, MBA 649, MBA 659, and MBA 669. Admission to the MBA program or permission of the MBA director.

MBA 690 Strategic Management: Integrative Experience 3(3-0)

Focuses on integrative approach in developing competitive business strategies through a process of analyzing business environments, selecting and implementing strategies, and evaluating results. This course may be offered in an online or hybrid format. Prerequisites: Admission to the MBA program. Completion of MBA 620, 650, 660, and 670.

MBA 699 The MBA Project 4(4-0)

The capstone experience where skills and competencies are applied to actual business problems. Students develop cross-functional business solutions with the guidance of a faculty committee. CR/NC only. This course is approved for offering in a distance learning format. Prerequisites: completion of 20 hours of the MBA program, including at least seven MBA-designated core courses at the 600-level. Admission to the MBA program or permission of the MBA director.

MET - Meteorology

MET 101QR Our Changing Climate 3(2-2)

Scientific causes of climate change and its potential impact. Past, current, and future climates with emphasis on how scientists measure and interpret climate variation. This course may be offered in an online format. Quantitative Reasoning. Satisfies University Program Group II laboratory requirement. (University Program Group II-A: Descriptive Sciences)

MET 140 Severe and Unusual Weather 3(3-0)

Description and causes of tornadoes, hurricanes, explosive cyclones, floods and drought. The potential impact of global climate change on these phenomena. This course may be offered in an online or hybrid format. (University Program Group II-B: Quantitative and Mathematical Sciences)

MGT - Management

MGT 201 Entrepreneurship Launch Pad 3(3-0)

Recognize, develop, and act on individual potential for creativity and innovation. Shape and evaluate business opportunities, perform market research, and "pitch" an idea. Identical to ENT 201. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Prerequisites: ENT 101 or BUS 100 or BIS 100.

MGT 258 Effective Management of Human Resources in Organizations 3(3-0)

Applying the underlying principles of employee behavior to the effective design, use, and management of human resource systems in organizations. This course may be offered in an online or hybrid format. Prerequisites: ACC 250; BUS 100; BIS 101; BLR 235; ECO 203, 204; MTH 217 or MTH 132 or STA 282 or STA 382; overall GPA of 2.50 or higher.

MGT 312 Introduction to Management 3(3-0)

Introduction to the concepts, techniques, and processes of management as they pertain to business and other organizations. This course is approved for offering in a distance learning format. Prerequisite: 56 semester hours completed.

MGT 320 Human Resource Management 3(3-0)

Examines process for providing and maintaining productive human resources in an organization. Includes recruitment, selection, training, performance appraisal, compensation, labor relations, and health and safety. This course is approved for offering in a distance learning format. Prerequisites: MGT 258 or MGT 312, 56 semester hours completed; admission to Professional Business Studies or listed on signed major or minor.

MGT 335 Introduction to Management Science 3(3-0)

Basic concepts and applications of quantitative methods in management decisions. This course may be offered in an online or hybrid format. Prerequisites: 56 semester hours completed; admission to Professional Business Studies or listed on a signed major.

MGT 340 Production/Operations Management 3(3-0)

An introduction to production and operations management concepts, tools and techniques as applied in service and manufacturing organizations. Prerequisites: 56 semester hours completed. This course is approved for offering in a distance learning format.

MGT 348 Dynamics of Organizational Behavior 3(3-0)

Integrative theory of organizational behavior. Human motivation influenced by leadership, the organization itself, and its social environment. This course is approved for offering in a distance learning format. Prerequisites: MGT 258 or MGT 312, 56 semester hours completed; admission to Professional Business Studies or listed on signed major or minor.

MGT 357 Women in Management 3(3-0)

Explores women in management focusing on social phenomena shaping historical contributions and inequalities facing women in the workplace today, specifically opportunities/challenges pursuing a management career. This course may be offered in an online or hybrid format. (University Program Group III-B: Studies in Social Structures)

MGT 495 Global Management Strategy 3(3-0)

An integrative, cross-functional capstone course focusing on the process of strategic planning and management from the general management perspective, and on the domestic, multinational, and global dimensions. Primarily a case course. Prerequisites: 86 semester hours completed; completion of 300-level common body knowledge requirements in business; admission to Professional Business Studies. Graduating seniors only. This course is approved for offering in a distance learning format.

MGT 533 Purchasing Strategy 3(3-0)

Provides a managerial perspective, and understanding of the impact that purchasing and supply chain management strategies have on the success of organizations. This course may be offered in an online format. Prerequisites: MGT 333 and admission to Professional Business Studies or listed on signed major or minor, or graduate standing.

MGT 542 Inventory and Materials Management 3(3-0)

The study of the concepts, models and systems for material management and production planning. Prerequisites: MGT 303/MKT 303 or MGT 340; STA 282; 86 semester hours completed; admission to Professional Business Studies or listed on signed major or minor or graduate standing.

MGT 543 Management and Control of Quality 3(3-0)

In-depth study of management and statistical techniques employed in the analysis, design and implementation of quality assurance and control systems in manufacturing and service organizations. Prerequisites: MGT 303/MKT 303 or MGT 340; STA 282 or STA 382; 86 semester hours completed; admission to Professional Business Studies or listed on major or minor or graduate standing.

MGT 643 Human Resource Management 3(3-0)

Theories, systems, practices, problems, and solutions of human resource management in organizations. Credit cannot be earned in both MGT 633 and 643. This course is approved for offering in a distance learning format. Prerequisites: Admission to graduate program or permission of the Department Chairperson.

MGT 645 Personnel Compensation Practice and Process 3(3-0)

Procedures and methods for developing and delivering employee compensation programs. Credit cannot be earned in both MGT 635 and MGT 645. This course is approved for offering in a distance learning format. Prerequisites: MGT 643, or 633; STA 282 or 382 or statistics competency; admission to graduate program.

MGT 646 Labor Relations Issues 3(3-0)

Exploration of the public sector, private sector, and international issues in labor relations. Credit cannot be earned in both MGT 636 and MGT 646. Prerequisite: MGT 320, admission to graduate program.

MGT 647 Employee Selection and Evaluation 3(3-0)

In-depth analysis of the functions of employee selection and performance appraisal in organizational settings, with emphasis on quantitative techniques. This course is approved for offering in a distance learning format. Credit cannot be earned in both MGT 647 and MGT 637. Prerequisites: STA 282 or 382 or statistics competency; MGT 320 or 633 or 643; admission to graduate program.

MGT 649 Seminar in Organizational Development 3(3-0)

The processes, tools and techniques of organization change. Organization Development (OD) is the study of planned change in order to improve firms' effectiveness and efficiency. This course is approved for offering in a distance learning format. Prerequisites: admission to MBA or permission of MBA director.

MGT 657 International Management 2(2-0)

From a contemporary perspective, the course deals with managing subsidiaries and affiliates in different country- and cultural-context. Credit cannot be earned in both MGT 657 and MGT 667. Prerequisites: admission to the MBA Program or permission of the MBA director.

MGT 667 International Business 3(3-0)

This course deals with operating subsidiaries and affiliates in different country- and cultural-contexts. Credit cannot be earned in both MGT 667 and MGT 657. Prerequisites: admission to graduate program.

MHA - Master of Health Administration**MHA 601 Statistics for Health Professionals 3(3-0)**

Statistical concepts for evidence-based management in health organizations. Application of concepts to the analysis of administrative data. Introduction to SPSS. This course may be offered in an online or hybrid format. Recommended: Undergraduate statistics course.

MHA 602 Managerial Epidemiology 3(3-0)

Application of managerial epidemiological principles to the practice of health-care organization and community health. This course may be offered in an online or hybrid format.

MHA 603 Health Informatics and Quality Improvement 3(3-0)

Management of information and knowledge as a healthcare asset with focus on leveraging information for quality improvement. This course may be offered in an online or hybrid format.

MHA 604 Quantitative Decision-Making for Health Administration 3(3-0)

Application of advanced parametric and non-parametric statistical techniques to health administration cases, managerial decision-making and problem-solving. This course may be offered in an online or hybrid format. Prerequisite: MHA 601.

MHA 605 International Health Systems, Policy and Administration 3(3-0)

The study of a range of health systems around the world with a focus on administration and policy, health system effectiveness, sustainability, and innovation. This course may be offered in an online or hybrid format.

MHA 697 Health Administration Field Experience 6(Spec)

Organization project based experience. This course assumes the student has experience in the field and will be conducting a field project. CR/NC only. This course may be offered in an online or hybrid format. Prerequisite: Successful completion of all required courses in the Master of Health Administration Program.

MHA 698 Health Administration Graduate Thesis 1-6(Spec)

The course involves the student doing an applied research thesis in a health administration area. CR/NC only. This course may be offered in an online or hybrid format. Prerequisite: Successful completion of all required courses in the Master of Health Administration program.

MHA 699 Health Administration Internship 6(Spec)

Offers an academic opportunity for students to learn healthcare administration through a structured administrative experience in a healthcare organization. CR/NC only. This course may be offered in an online or hybrid format. Prerequisite: Successful completion of all required courses in the Master of Health Administration program.

MKT - Marketing**MKT 221 Marketing Strategies for Entrepreneurs 3(3-0)**

General marketing principles applied to the entrepreneurial venture including daily activities, long-term branding/position strategy, inexpensive ways to conduct research, and utilizing networks to identify/reach customers. Identical to ENT 221. Credit may not be earned in more than one of these courses. This course may be offered in an online or hybrid format. Recommended: ENT 101, ENT/MGT 201.

MKT 300 Introduction to Marketing 3(3-0)

A basic introduction to the marketing environment, the marketing mix, marketing management and the place of marketing in world society. This course may be offered in an online or hybrid format. Credit may not be earned in both MKT 304 and MKT 300; cannot be counted on any BSBA major including Marketing, Logistics Management, or Hospitality Services Administration. Prerequisite: 56 semester hours completed.

MKT 310 Marketing Communications 3(3-0)

An overview of advertising, personal selling and sales promotion, and other techniques that an organization would use to communicate with its target markets. Prerequisites: MKT 300 or MKT 304; 56 semester hours completed; admission to Professional Business Studies or listed on signed major or minor. This course is approved for offering in a distance learning format.

MKT 465 Supply Chain Management 3(3-0)

Integration of competencies in logistics related areas. Logistical policy establishment and decision-making for solving complex logistical problems that focus on global and intercompany logistics systems. This course may be offered in an online or hybrid format. Prerequisites: MKT 431, 432; 86 semester hours completed; admission to Professional Business Studies or listed on signed major or minor.

MKT 555 Market and Sales Forecasting 3(3-0)

Develops familiarity with methods most commonly used in market and sales forecasting. Both qualitative and quantitative methods are included with emphasis on the latter. This course is approved for offering in a distance learning format. Prerequisites: one course in MKT; one course in statistics or MKT 450; admission to Professional Business Studies; 86 semester hours completed.

MKT 560 International Marketing 3(3-0)

Policies and practices employed in international business. Considers problems of international payments, trade and investment with special emphasis on integrating managerial dimensions with related economic principles. Prerequisites: MKT 300 or MKT 304; admission to Professional Business Studies; senior standing; 86 semester hours completed. This course is approved for offering in a distance learning format.

MKT 631 Lean Logistics Operations 3(3-0)

Understanding and applying lean principles to logistics operations by examining and improving the order fulfillment process including; order, inventory, warehousing and transport operations. This course is approved for offering in a distance learning format. Prerequisite: Admission to the MBA program or permission of MBA director.

MKT 632 Integrated Logistics Strategy 3(3-0)

Current best practices and strategies for designing and managing integrated logistics systems. This course is approved for offering in a distance learning format. Prerequisites: Admission to the MBA program or permission of the MBA director.

MKT 633 Risk-based Logistics Networks 3(3-0)

Current best practices and strategies for assessing and designing risk-based logistics networks with emphasis on risk management including logistics network security and green initiatives. This course is approved for offering in a distance learning format.

MKT 698 The Logistics Project 4(4-0)

The capstone experience where skills and competencies are applied to actual logistics management problems. Students develop logistics solutions with the guidance of a faculty advisor. This course may be offered in an online or hybrid format. Prerequisites: Completion of two of the following: MKT 555, 631, 632, 633. Admission to the MBA program or permission of the MBA director.

MLE - Middle Level Education**MLE 570 Issues in Middle Level Education 1-3(Spec)**

A focus on current issues in middle level education. Students will help select specific topics for in-depth study. Prerequisites: MLE 383 or 643.

MMD - Multimedia Design**MMD 495 Multimedia Design Capstone 1(1-0)**

The course focuses on the documentation and presentation of skills developed during the Multimedia Design Minor. Must be taken in the last two semesters prior to graduation. This course may be offered in an online format. Prerequisites: ART 231; BCA 223; CPS 282; JRN 220; All with a C or better; Senior status.

MPH - Master of Public Health

MPH 640 Biostatistics in Public Health 4(3-1)

This course provides advanced knowledge and skills in probability and statistics, enabling students to use statistical software to analyze datasets related to public health problems. This course may be offered in an online format.

MPH 642 Health Education Theories 3(3-0)

The course evaluates theories in health promotion and health education and illustrates how divergent theoretical perspectives are integrated into practice models. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program.

MPH 644 Rural Health 3(3-0)

This class analyzes the unique healthcare needs of rural, underserved and marginalized populations across the State of Michigan and the United States. This course may be offered in an online format.

MPH 646 Epidemiology for Public Health 3(3-0)

Epidemiology is the study of distribution and determinants of health or diseases in human populations and application of this knowledge to improve population health outcomes. This course may be offered in an online format.

MPH 648 Health Policy and Management 3(3-0)

This course is concerned with the structure and administration of public health organizations and policies that impact health programs delivery, quality and costs of healthcare. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program.

MPH 650 Biological Basis of Public Health 3(3-0)

Examines modern understanding of how psychosocial factors and pathogens from the environment 'get under the skin' to cause diseases and illnesses in human populations. This course may be offered in an online or hybrid format. Prerequisite: Admitted to the MPH Program.

MPH 652 Public Health Environmental Science 3(3-0)

This course is designed to interpret environmental factors and conditions affecting health, and assess the role of communities in mitigating risks associated with environmental exposures. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program; MPH 640.

MPH 654 Public Health Leadership 3(3-0)

This course introduces students to practical principles of leadership and systems thinking necessary for improving the health of underserved communities or populations. This course may be offered in an online or hybrid format. Prerequisites: MPH 646, 648, 652; admission to the MPH Program.

MPH 655 Program Planning and Evaluation 3(3-0)

Prepares students to conduct community needs assessment, design and implement health interventions to address these needs and evaluate the effectiveness of these interventions. This course may be offered in an online format. Prerequisites: MPH 640, 646.

MPH 658 Health Planning and Assessment 3(3-0)

This course prepares graduate students with skills to assess and plan health education/public health programs and policies within the context of various health settings. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program.

MPH 660 Program Evaluation 3(3-0)

This course prepares graduate students with skills necessary to evaluate health education/public health programs and policies within the context of various health settings. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program.

MPH 664 Public Health Communication and Informatics 3(3-0)

The class explores effectiveness of communication tools in changing health behaviors and application of technology infrastructure for data gathering and analysis for improving health outcomes. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program.

MPH 666 Substance Abuse Services 3(3-0)

The course examines substance abuse agency service integration for clients, family and community interventions. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH program.

MPH 667 Maternal and Child Health 3(3-0)

Describes the major issues affecting the health and well-being of children and families over the life span. This course may be offered in an online format. Prerequisite: MPH 644.

MPH 668 Ethics in Public Health 3(3-0)

This course applies skills to ethical choices, values and public health professionalism in decisions regarding health equity, social justice, accountability and a commitment to personal integrity and institutional development. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH program.

MPH 670 Methods in Public Health Research 3(3-0)

This course builds competencies necessary to apply systematic methods of investigating population-based health problems and challenges in a manner that translates findings to benefit the community. This course may be offered in an online format. Prerequisite: MPH 640.

MPH 790 Applied Practice Experience 2(Spec)

Provides students with a work-related experience designed to integrate public health theory and practice in an applied setting under supervision. CR/NC. This course may be offered in an online format. Prerequisites: MPH 640, 642, 644, 646, 648, 650, 652, 655, 670.

MPH 796 Integrative Learning Experience 1-6(Spec)

This course is a culminating experience for the MPH candidate to synthesize knowledge and skills from different coursework and other experiential learning related to public health challenges at the community level. Not open to students completing a thesis. CR/NC Only. This course may be offered in an online format. Prerequisites: MPH 642, 644, 648, 650, 652, 654, 655, 670.

MPH 798 Thesis 1-6(Spec)

Write a thesis directed by a committee in conformity with the university's thesis guidelines. CR/NC only. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MPH Program; MPH 640, 644, 646, 648, 650, 652, 654, 658, 660, 668, 670.

MSA - Master of Science in Administration

MSA 501 Managing Change with Emotional Intelligence 3(3-0)

An examination of organizational leadership utilizing emotional intelligence as a foundation for managing change. This course is approved for offering in a distance learning format. Prerequisites: LDR 200 and 86 semester hours completed; or graduate standing.

MSA 502 Workforce Improvement Strategies in Corporate/Non-profit Organizations 3(3-0)

Examines the process of preparing objectives, defining content, and selecting learning activities used by administrators to train, develop, and evaluate employees throughout the career continuum. This course may be offered in an online or hybrid format. Prerequisites: 86 semester hours completed or admission into a graduate program.

MSA 503 Gender and Generational Supervision 3(3-0)

The course analyzes how gender and generational differences manifest themselves in the workplace, and how to effectively work within and manage those differences. This course may be offered in an online or hybrid format. Prerequisites: 86 semester hours completed or admission into a graduate program.

MSA 504 Strategies and Proposals in Government Acquisitions 3(3-0)

Provides a framework for formulating strategies used in federal acquisitions. Examines the request for proposal (RFP) process, and the preparation of proposals, reviews, and follow-up. This course may be offered in an online or hybrid format. Prerequisite: 86 semester hours completed or graduate standing.

MSA 506 Evaluation, Coaching and Mentoring 3(3-0)

Post-hire evaluation, coaching, and mentoring: Course examines the alignment of individual and group performance with an organization's strategic vision by developing effective performance management processes. This course may be offered in an online format.

MSA 510 Global Leadership Perspectives 3(3-0)

An examination of established and emerging perspectives on global leadership. The student will focus on geo-leadership models which impact administration across borders and cultures. This course may be offered in an online or hybrid format. Prerequisites: LDR 200 and 86 semester hours completed; or Graduate Standing.

MSA 540 Legal Considerations of Contract Administration 3(3-0)

Examines legal and regulatory aspects associated with federal acquisition and contracts including: standards of conduct, governmental liability, dispute processes, and administrative and judicial resolution methods. This course may be offered in an online or hybrid format. Prerequisite: 86 hours completed or graduate standing.

MSA 600 Foundations of Research Methods in Administration 3(3-0)

Research methods and writing designed to build the skills and knowledge necessary to interpret, apply and report research in the field of administration. This course may be offered in an online format. Prerequisite: Statistics competency.

MSA 601 Organizational Dynamics and Human Behavior 3(3-0)

Students examine and apply organizational theories aimed at understanding and analyzing human behavior in complex organizations. This course may be offered in an online format.

MSA 602 Financial Analysis, Planning and Control 3(3-0)

Study of financial analysis, planning, and control techniques/methods emphasizing mechanisms used to determine the overall financial health of private, public and non-profit organizations. This course may be offered in an online format. Prerequisites: Accounting competency.

MSA 603 Strategic Planning for the Administrator 3(3-0)

An examination of processes and approaches used by administrators to analyze internal and external environments to establish and accomplish long-term strategic organizational goals. This course may be offered in an online format.

MSA 604 Administration, Globalization and Multiculturalism 3(3-0)

Focuses on theoretical and applied concepts and skills essential to successfully managing an environment of workplace diversity and multiculturalism within domestic and global organizations. This course may be offered in an online format.

MSA 607 Program Management in Complex Organizations 3(3-0)

Examines oversight and coordination of complex project management processes involving multiple activities and teams. Discusses effective techniques for structuring deliverables, workflow and staffing. This course may be offered in an online format.

MSA 608 Succession Planning 3(3-0)

Examines processes and practices required to effectively use succession planning as a part of a talent management strategy and links these approaches to organizational objectives. This course may be offered in an online format.

MSA 609 Ethical and Legal Dimensions of Private Sector Organizations 3(3-0)

Examines private sector legal environment including, ethical, regulatory and legal issues, and critical considerations required in dealing with frequently encountered issues in decision making. This course may be offered in an online or hybrid format.

MSA 611 Contract Administration 3(3-0)

Analysis of theories and applied concepts of federal and commercial contracts, planning contracts, budgeting and negotiating contracts and best practices in contracts. This course may be offered in an online or hybrid format.

MSA 612 Grants Fiscal Administration 3(3-0)

Study of and practical applications of grants accounting/financial- related tasks on federal, foundation, institutional and private awards. This course may be offered in an online or hybrid format. Prerequisites: MSA 602 or the permission of MSA Director.

MSA 613 Project Administration 3(3-0)

Intensive coverage of project administration and applications from concept through operations. Course focuses on planning, scheduling, controlling, economic analysis, evaluation/control and customer satisfaction. This course may be offered in an online or hybrid format.

MSA 614 Ethics in Research Administration 3(3-0)

Covers the ethical, legal, social issues and best practices involved in the administration and conduct of research and the application of products from research. This course may be offered in an online or hybrid format.

MSA 615 Sponsored Project Administration 3(3-0)

Examination of core aspects of sponsored project administration: institutional compliance, proposal creation, review and submission, contract negotiations, sub-award review, and post award financial administration. This course may be offered in an online or hybrid format.

MSA 616 The Practice of Research Administration 3(3-0)

Examines the theory and foundations of research administration in the context of departmental administration, tools for successful department administration, and the role of Research Administrator. This course may be offered in an online or hybrid format.

MSA 617 Clinical Research Administration 3(3-0)

This course examines clinical research as science as well as the administration of clinical research processes and programs. Covers protocol, budgets, ethics and funding. This course may be offered in an online or hybrid format.

MSA 618 International and Comparative Employment Relations 3(3-0)

Compares market, economic, labor, and legal considerations throughout the world. Includes distribution and development models; issues and policies that influence the global work environment. This course may be offered in an online format.

MSA 622 Research Facilities Administration and Cost 3(3-0)

Study of the planning, operation, and costs associated with managing physical plants specific to research facilities. This course may be offered in an online or hybrid format.

MSA 634 Managerial Accounting Concepts 3(3-0)

Study of how accounting information can be used in planning, coordinating, and controlling the activities of an organization. Prerequisite: Accounting competency. This course is approved for offering in a distance learning format.

MSA 635 Financial Management 3(3-0)

Study of financial management and financial management techniques for administrators of private and public organizations. Emphasis is on financial planning and control. Prerequisite: Accounting competency. This course is approved for offering in a distance learning format.

MSA 640 Quantitative Applications in Decision Making 3(3-0)

This course studies stochastic and quantitative analytical tools and concepts which can be used to make optimal decisions in the pursuit of such organizational goals as cost efficiency, service delivery, and profit. Concepts include probability theory, statistics, decision theory, inventory control, linear models, linear programming, network analysis, and simulation. Prerequisite: Statistics competency. This course is approved for offering in a distance learning format.

MSA 641 Historical and Cultural Perspectives on Philanthropy 3(3-0)

Explores the historical issues and values surrounding philanthropy and nonprofit organizations that shape contemporary formal study of philanthropy. Examines philanthropy across geographic and cultural perspectives. This course may be offered in an online or hybrid format.

MSA 642 Principles, Theory and Ethical Practices in Fundraising and Grant Making 3(3-0)

Focuses on principles, theory, and ethics in fundraising. Examines values, ethical issues raised in philanthropy and the role of boards of trustees. This course may be offered in an online or hybrid format.

MSA 643 Administration of Annual, Capital Campaigns and Major Gifts 3(3-0)

Focuses on the development of fundraising skills and techniques to build annual giving and major gift programs, assess capital campaign readiness, and implement capital campaigns. This course may be offered in an online or hybrid format.

MSA 644 Philanthropy: The Role of Foundations, Non Profit Organizations in Society 3(3-0)

This course covers theories of philanthropy and the role of nonprofit organizations in society to clarify the meaning of philanthropy. This course may be offered in an online or hybrid format.

MSA 645 Strategic Philanthropy: Corporations, Foundations, Individuals and Bequests 3(3-0)

Introduces the philanthropic road map, allowing donors to identify motivations, goals, strategies, grantees, and benchmarks to solve problems. Provides tools to effectively manage philanthropic programs. This course may be offered in an online or hybrid format.

MSA 646 Foundations of Philanthropic Organizations 3(3-0)

Central theories, principles, and practices of nonprofits including sector history, culture, and scope. Covers financial, ethical, strategic, governance, and collaborative aspects of philanthropic organizations. This course may be offered in an online or hybrid format.

MSA 647 People and Project Administration 3(3-0)

Course addresses the people side of project management and defines key mechanisms, process flows, tools, and measurement criteria for improving stakeholder performance. This course may be offered in an online format.

MSA 660 Marketing Administration 3(3-0)

This course is concerned with the application of appropriate marketing concepts and techniques to the private sector business and nonprofit organizations' marketing and communication activities. The course may be offered in an online format.

MSA 677 Disruption, Innovation, Transformation and Change 3(3-0)

A framework for leading creativity and change in complex organizations by diagnosing potential innovation failures and developing strategies that foster a culture of organizational innovation. This course may be offered in an online format.

MSA 696 Special Topics 3(3-0)

Selected topics of interest to students which are not included in existing courses. Specific topic will be listed on the student's transcript. This course may be offered in an online or hybrid format.

MSA 698 Directed Administrative Portfolio 3(3-0)

Intensive writing course integrating MSA core and concentration courses by developing a series of applied research projects or significant papers germane to current administrative issues. This course may be offered in an online format. Prerequisites: MSA 600; 601; 602; 603; 604 all with a grade of C or better; 27 hours of graduate credit.

MSA 699 Applied Research Project in Administration 3(Spec)

Research project on a practical organizational administrative issue and/or problem integrating theoretical, methodological, and applied knowledge from core and concentration coursework with student's professional experience. This course is approved for offering in a distance learning format. Prerequisites: MSA 600; MSA 602 or 634 or 635; MSA 603 or 640 all with a grade of C or better; 24 hours of graduate credit.

MTH - Mathematics**MTH 105 Intermediate Algebra 3(3-0)**

Rational and radical expressions and equations, integer and rational exponents, functions, graphs, systems of equations and inequalities, quadratic equations. Successful completion of this course satisfies the University Mathematics Competency requirement. This course may be offered in an online or hybrid format. Prerequisite: Placement or successful completion of MTH 101.

MTH 107 College Algebra 3(3-0)

Complex numbers, introduction to functions, zeros, graphing, linear functions, quadratic functions, intersections of graphs, interpreting graphs, inequalities, polynomial and rational functions, algebra of functions. Course does not count toward a major, minor in mathematics except for students pursuing a B.S. in Ed., Elementary Education. Recommended: Successful completion of MTH 105.

MTH 109 Plane Trigonometry 3(3-0)

Solutions of triangles, trigonometric equations, and identities. No credit in MTH 109 after credit earned in MTH 130. Course does not count toward a major, minor in mathematics except for students pursuing a B.S. in Ed., Elementary Emphasis. This course may be offered in an online or hybrid format. Recommended: one and one-half years of high school algebra; or successful completion of MTH 107 and one year of high school geometry.

MTH 113 Mathematics: A Modeling Approach 3(3-0)

The role of mathematics in modeling real world phenomena is explored. Such mathematical areas as graph theory, linear programming, probability theory, and difference equations are developed as solution techniques for concrete problems from many disciplines. Recommended: Two years of high school mathematics or equivalent. (University Program Group II-B: Quantitative and Mathematical Sciences)

MTH 130 Pre-Calculus Mathematics 4(4-0)

Sets, mathematical induction, functions, relations, theory of equations, analytic geometry. This course is approved for offering in a distance learning format. Recommended: MTH 107, 109.

MTH 132 Calculus I 4(4-0)

Limits, continuity, interpretations of the derivative, differentiation of elementary functions, applications of derivatives, antiderivatives, Riemann sums, definite integrals, fundamental theorem of calculus. This course may be offered in an online or hybrid format. Recommended: MTH 107, 109; or MTH 130. (University Program Group II-B: Quantitative and Mathematical Sciences)

MTH 133 Calculus II 4(4-0)

Techniques of integration, applications of definite integrals, improper integrals, elementary differential equations, infinite series, Taylor series, and polar coordinates. Prerequisite: MTH 132.

MTH 151 Mathematics for Elementary Teachers I 3(3-0)

Mathematical background for elementary teachers. Sets, historical and modern numeration systems, operations with natural numbers, rational numbers, elementary number theory. Admission limited to students pursuing a B.S. in Ed. Elementary emphasis. Prerequisite: One of: MTH 105, 107, 109, 130, 132. Pre/Co-requisite: EDU 107.

MTH 152 Mathematics for Elementary Teachers II 3(3-0)

Continuation of MTH 151. Decimals, percent, ratio/proportion, geometry (concepts and measurement), probability, statistics. Prerequisites: MTH 151 with a grade of C or better; one of: MTH 105, 107, 109, 130, 132.

MTH 175 Discrete Mathematics 3(3-0)

Topics in discrete mathematics including sequences, graphs, mathematical induction, recursion, number theory, combinatorial counting, difference equations, algorithms, and Boolean Algebra. No credit in MTH 175 after credit in MTH 375 or MTH 332. Prerequisite: MTH 130 or 132 or 133.

MTH 595 Special Topics in Mathematics Education 1-6(Spec)

Subject matter not included in regular mathematics education course. May be taken for credit more than once, total credit not to exceed 6 hours. Specific topics and pre/co-requisites will be announced in Course Search and Registration. May not be counted toward a major or minor in mathematics except for students pursuing a B.S. in Ed. degree. Pre/Co-requisites: See Course Search and Registration.

MUS - Music**MUS 110 Music in Society 3(3-0)**

An intercultural and interdisciplinary exploration of the elements of music. This course may be offered in an online or hybrid format. (Not open to music majors.) (University Program Group I-B: The Arts)

MUS 114 Listening Experience 3(3-0)

Objectives are to experience a variety of musical events, to develop musical awareness, to sharpen perception, and increase musical discrimination. Not open to music majors. May be offered as Writing Intensive. (University Program Group I-B: The Arts)

MUS 213 Jazz: An American Art Form 3(3-0)

A music literature course reviewing important trends and styles in the history of jazz. Open to all students. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. (University Program Group I-B: The Arts)

MUS 310 Music and the Mind 3(3-0)

An exploration of the various brain systems that are engaged by different musical styles and activities. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. Recommended: 56 credit hours completed. (University Program Group I-B: The Arts)

MUS 313 Musics of the World 3(3-0)

An introduction to musical systems of major non-Western cultures and folk and traditional music of Western continents. May be offered as Writing Intensive. Recommended: 56 credit hours. (University Program Group I-B: The Arts)

MUS 330 Music for Elementary Classroom Teachers 2(2-0)

Fundamentals and methods of teaching music for elementary classroom teachers. Prerequisite: Tier One: Pre-Admission of Candidacy to Teacher Education.

MUS 715 Rock 'n' Roll Seminar 3(3-0)

Traces the roots of rock, surveys the various types of rock, and provides in-depth analysis of the music. This course may be offered in an online or hybrid format. Prerequisite: admission to graduate music program (music major status not required).

PAD - Public Administration**PAD 210 Introduction to Public Administration 3(3-0)**

Provides a broad understanding of basic concepts and principles of public administration, including the role, structure, and functions of public agencies and how they operate. May be offered as Writing Intensive. This course may be offered in an online format.

PAD 313 Public Budgeting Processes 3(3-0)

Study of the creation and administrative management of public budgets. Emphasizes processes of budget preparation, adoption, administration and evaluation at various levels of government. This course may be offered in an online or hybrid format. Prerequisite: PAD 210.

PAD 380QR Public Sector Research Methods 3(3-0)

Overview of common public sector research techniques and how research findings can be integrated into effective organizational decisions. Quantitative Reasoning. This course may be offered in an online format. Prerequisite: PAD 210.

PAD 411 Public Sector Human Resources 3(3-0)

Study of the policies, strategies, and legal processes that define human resources management in public and nonprofit organizations. This course may be offered in an online and hybrid format. Prerequisite: PAD 210.

PAD 412 Nonprofit Administration 3(3-0)

Overview of the nonprofit sector emphasizing charitable organizations, the rationales for their existence, and the fundamental elements of nonprofit administration. May be offered as Writing Intensive. This course may be offered in an online format. Prerequisite: PAD 210.

PAD 413 Organizational Leadership and Behavior 3(3-0)

Study of the policies and strategies used in the public sector to lead, manage, and motivate employees to solve societal problems. May be offered as Writing Intensive. This course may be offered in an online format. Prerequisite: PAD 210.

PAD 414 Public Policy Analysis 3(3-0)

Advanced overview of the practice of public policy analysis and program evaluation. This course may be offered in an online or hybrid format. Prerequisite: PSC 280 or PAD 380.

PAD 523WI Fundamentals of Grant Writing and Management 3(3-0)

This course examines grant seeking, writing, proposal development, management, and evaluation in public and nonprofit organizations. Writing Intensive. This course may be offered in an online format. Prerequisite: Graduate standing or completion of 56 credit hours.

PAD 585 Public Sector Information Technology Management 3(3-0)

Study of the administrative strategies used to successfully implement information technology in public sector organizations. This course may be offered in an online format. Prerequisite: 56 credit hours completed or graduate standing.

PAD 610 Foundations of Public Administration 3(3-0)

Overview of major themes of modern public administration, including administrative theories and processes, democratic environments, administrative functions and activities, and analytical tools and concepts. This course may be offered in an online format.

PAD 620 Nonprofit Management 3(3-0)

Introduction to the fundamentals of managing organizations in the nonprofit sector. This course may be offered in an online format.

PAD 621 Board Governance and Executive Leadership 3(3-0)

This course is designed to introduce students to the fundamentals of governance, trusteeship, and executive leadership in nonprofit sector organizations. This course may be offered in an online or hybrid format.

PAD 622 Strategic Planning for Public/Non-Profit Organizations 3(3-0)

Study of strategic planning processes and documents in public and non-profit organizations. This course may be offered in an online format.

PAD 623 Public Policy Processes and Evaluation 3(3-0)

This course provides an introduction to the professional practice of policy analysis. This course may be offered in an online format.

PAD 655 Managing Modern Local Government 3(3-0)

Overview of major themes and issues confronting the management of local government. This course may be offered in an online format.

PAD 661 Administration and Policy in American State Government 3(3-0)

Political, legislative, executive, judicial and administrative processes of American state government with emphasis on the way they influence public policies. This course may be offered in an online format.

PAD 711 Public Personnel Management 3(3-0)

This course is designed to provide an overview of personnel management in the public sector. This course may be offered in an online or hybrid format.

PAD 712 Implementation and Reform of Public Programs 3(3-0)

Examination of the major administrative reforms in the public sector and their consequent impact on the implementation of programs and projects. This course may be offered in an online format.

PAD 713 Public Budgeting and Finance 3(3-0)

Advanced study of public budgets and processes. Emphasizes the political nature of budget preparation, adoption, administration and evaluation at various levels of government. This course may be offered in an online format.

PAD 714 Program Analysis and Evaluation 3(3-0)

Methodology of analyzing and evaluating public programs. Design and use of quantitative and qualitative techniques for predicting and measuring performance. This course may be offered in an online format.

PAD 730 Public Service Competencies 1(Spec)

Overview and assessment of the competencies needed to be an effective administrator in the public sector. This course may be offered in an online format. CR/NC only. Prerequisite: A minimum of 21 hours of required MPA courses completed.

PAD 773 Administration and Ethics in Public Service 3(3-0)

This course examines ethical problems faced by participants in a modern administrative system with a focus on their sources and on methods for resolving them. This course may be offered in an online format.

PAD 775 Organization Theory and Behavior 3(3-0)

The study of the appropriate design structures for administering complex organizations in the public sector with an emphasis on management, decision-making, and planning. This course may be offered in an online format.

PAD 780 Public Sector Research Methods 3(3-0)

Exploration of research methods used in governmental and public sector organizations. This course may be offered in an online format.

PAD 785 Strategic Leadership 3(3-0)

This course focuses on the study of leadership within public or nonprofit organizations with specific explorations of how to lead and manage. This course may be offered in an online or hybrid format.

PAD 795 Internship in Public Administration 1-6(Spec)

Practical experience where students apply public administration concepts to work experience in the public sector. CR/NC only. Prerequisite: Permission of Director of Master of Public Administration program.

PAD 796 Applied Research in Public Administration 3(3-0)

Completion of an applied research project that integrates practical experiences and theoretical contributions. Prerequisite: Permission of the MPA Director.

PED - Sports Instructional Program (Activity)

Note: a limitation of 6 hours of PED and/or RLA courses may be applied toward the requirements for graduation.

PES - Physical Education and Professional**PES 125 Principles and Foundations of Coaching 3(3-0)**

Practical information and issues relevant to professional practice for all athletic coaches. Includes eligibility for Coaching Advancement Program (C.A.P.) certification. This course may be offered in an online format.

PES 218QR Sport Analytics 3(3-0)

Theory, development, and application of analytics in sport for purposes of player performance, team management/operations, team valuation, social media analysis, sponsorship metrics, and fantasy competitions. This course may be offered in an online format. Quantitative Reasoning. Prerequisites: PES 119, 180 both with a B- or better.

PES 225 Athletic Conditioning for Coaches 3(3-0)

Principles of physical training and nutrition as they apply to the short and long term conditioning of athletes at various levels of competition and sports. This course may be offered in an online format. Prerequisite: PES 125.

PES 255 Athletic Skills and Techniques 2(2-0)

A study of the skills necessary for athletes to be successful, and the techniques, drills and strategies coaches need to facilitate skilled performance. This course may be offered in an online format. Prerequisite: PES 125.

PES 279 Sport First Aid and Athletic Emergencies 3(3-0)

A coach's role from the perspective of policy and practice in managing injuries and emergencies common to the athletic and sport culture. This course may be offered in an online format. Pre/Co-requisite: PES 125.

PES 280 Economics & Finance in the Sport Industry 3(3-0)

Examines and introduces the principles of economics, accounting, and finance as they apply to the sport industry. This course may be offered in online format. Prerequisites: PES 119, 180 both with B- or better.

PES 310 Physical Education for the Classroom Teacher 2(Spec)

An introduction to elementary physical education methods and materials. This course integrates the concepts of motor skill development, physical fitness, and human wellness. Prerequisite: EDU 107; Tier One – Pre- Admission of Candidacy to Teacher Education.

PES 311 Psychology of Coaching 3(3-0)

A study of the interaction between psychological variables and performance in sports and physical activity. Coaching applications are emphasized. This course may be offered in an online format. Pre/Co- requisite: PES 255. Prerequisite: PES 125.

PES 318 Social, Historical, & Global Issues in Sport 3(3-0)

A critical examination of sport through prevailing theories in sport sociology. Historical perspectives will also be addressed. This course may be offered in online format. Prerequisites: minimum 56 credits.

PES 335 Principles of Effective Coaching Instruction 3(3-0)

Principles of effective instruction as they apply to assisting athletes in becoming proficient performers. This course may be offered in online format. Pre/Co-requisite: PES 255.

PES 380 Sport Communication & Mass Media 3(3-0)

Students are provided theory and concepts to examine the role of public relations, communication, and mass media in the sport industry. This course may be offered in online format. Prerequisites: PES 218, 280 both with a C or better.

PES 410 Competition Oriented Strategies and Preparations 2(2-0)

Specific strategies and tactics that prepare individuals or teams for maximizing their performance in athletic competition. This course may be offered in an online format. Prerequisites: PES 255.

PES 445 Athletic Season Planning and Evaluation 2(2-0)

Prepares coaches to plan in- and out-of-season activities, and provides them with the tools they need to evaluate program strengths and weaknesses. This course may be offered in an online format. Pre/Co- requisite: PES 410.

PES 470 Athletic Coaching Internship 3(Spec)

A practical experience in coaching athletes in a competitive setting at any level of competition under the supervision of a superior. This course may be offered in an online format. Prerequisite: PES 445.

PES 550 Sport Fundraising 3(3-0)

Provides theoretical and practical applications of fundraising in the sport industry. This course may be offered in an online or hybrid format. Prerequisites: Minimum 86 credit hours (senior status); or graduate status.

PES 602 Sport Event Management: Theory & Application 3(Spec)

An introduction to the theoretical basis of sport management combined with supervised experiences in sport event management. This course may be offered in an online format. Credit may not be earned in both PES 602 and PES 690. Prerequisite: Admission to the MA in Sport Administration.

PES 603 Administration of Sport and Athletics 3(3-0)

A study of administrative techniques and administrative problems related to sport. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 610 Philosophical & Ethical Issues in Athletics 3(3-0)

Philosophical foundations underlying ethical issues surrounding athletics with emphasis upon development of a consistent and rational professional philosophy. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 625 Athletic Facility Design and Management 3(3-0)

An analysis of athletic facility design and the processes of facility management. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 635 Quantitative Applications & Data Based Decision Making in Sport 3(3-0)

Provides students with skills and perspectives on quantitative methodologies used for effective decision-making within the sport industry. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 640 Sport and the Law 3(3-0)

This course is designed to provide the entering professional with a practical and theoretical application of US law to the sport industry. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 645 Financial Management of Sport 3(3-0)

Application of the fundamental concepts and theories of finance to the field of sport management. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 650 Sport Marketing 3(3-0)

Provides a practical and theoretical application of marketing science to all realms of the sport industry. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 665 Applied Research in Sport Management 3(3-0)

Students develop knowledge and expertise in research to create a project embedded within a sport organization. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 670 Research Methods for Physical Education and Sport, Health and Recreation 3(3-0)

Basic research methods and techniques essential in performing and interpreting scientific studies. Recommended: 6 hours of graduate course work completed prior to enrollment. Identical to HSC 670. Credit may not be earned in more than one of these courses.

PES 672 Statistics for Physical Education and Sport, Health and Recreation 3(3-0)

Basic descriptive and inferential statistical concepts and techniques commonly encountered in professional literature and essential to teaching and research. This course may be offered in online or hybrid format.

PES 675 Human Resource Management in Sport Organizations 3(3-0)

A study of human resource management techniques as it relates to the sport industry. This course may be offered in an online format. Prerequisite: Admission to the MA in Sport Administration.

PES 685 Integrated Capstone Project in Sport Management 3(Spec)

An integrated capstone project including event management, human resources, research, marketing and communication strategies. This course may be offered in an online format. Prerequisite: a minimum of 24 credits in the MA in Sport Administration.

PES 691 Independent Study 3(Spec)

A topic is selected, researched and a scholarly paper prepared in consultation with an advisor. CR/NC only. Prerequisite: PES 670.

PES 698 Thesis 1-6(Spec)

The student develops and completes a research study in a specific area of physical education. CR/NC only. Prerequisite: PES 670 or PES 672. 2 hours may be taken concurrently with PES 670.

PES 699 Internship in Sport Management 3-6(Spec)

An internship experience applying theoretical and practical knowledge in a sport management setting. Prerequisite: Completion of at least 18 credit hours in the MA in Sport Administration; 3.0 overall GPA or better; and permission of the sport management internship supervisor.

PHL - Philosophy**PHL 118 Moral Problems 3(3-0)**

Study of basic moral problems and proposed solutions to problems associated with violence, oppression, prejudice, and sex. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas.)

PHL 140 Introduction to Logic 3(3-0)

A study of modern formal logic, with emphasis on the development of general procedures for deciding whether any argument is correct. This course may be offered in an online or hybrid format. (University Program Group II-B: Quantitative and Mathematical Sciences)

PHL 218 Ethical Theories 3(3-0)

Surveys philosophical theories about right and wrong, the good life, and the nature and justification of morality. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas.)

PHL 318 Business Ethics 3(3-0)

Application of ethical principles to such business issues as fair competition, employee obligations, and business's responsibilities to stockholders, customers, employees, community, and society. This course may be offered in an online format.

PHL 325 Philosophy of Mind 3(3-0)

An attempt to explain the nature of the mind. By examining historical and contemporary philosophical works on the mind-body problem and related topics. Recommended: Any PHL course. (University Program Group I-A: Human Events and Ideas.)

PHL 345 The Civil Rights Movement 3(3-0)

Examines the civil rights movement from 1954 to 1980s; based on PBS series: Eyes on the Prize. Identical to PSC 325, REL 345, SOC 345. Credit may not be earned in more than one of these courses. Prerequisites: Any one of the following: HST 110, HST 111, HST 112, LAR 145, PSC 100, PSC 105, PSC 125, REL 140, SOC 100. (University Program Group IV-C: Studies in Racism and Diversity in the United States)

PHL 518 Professional Ethics 3(3-0)

An examination of the theories and methods used in ethical decision-making: with application to common issues in law, journalism, technology, research, education, and the health professions. This course may be offered in an online or hybrid format. Prerequisite: junior status.

PHS - Physical Science**PHS 151 Introductory Physical Science I 3(2-2)**

Introduction to the concepts and methods of physical science. Focusing on the physical science of solid matter, students are encouraged to draw conclusions from desk-top experiments. Recommended for prospective elementary, special education, and middle school teachers. Satisfies University Program Group II laboratory requirement. (University Program Group II-B: Quantitative and Mathematical Sciences)

PHS 251 Introductory Physical Science II 3(2-2)

Continuation of PHS 151. The physical science of solid matter with emphasis on models of atoms and molecules. Prerequisite: PHS 151.

PHY - Physics**PHY 100 Conceptual Physics 3(3-0)**

An exploration of physical concepts; their social and philosophical implications; and the utility and limitations of physics for solution of problems in the modern world. The mathematical level will be that of beginning high school algebra. Not intended for potential science majors. This course may be offered in an online or hybrid format. (University Program Group II-B: Quantitative and Mathematical Sciences)

PHY 105QR Energy and Society: A Quantitative Perspective 3(3-0)

Understanding current and future energy problems using quantitative reasoning techniques. Topics covered span a range from the personal to the societal. Quantitative Reasoning.

PHY 130QR College Physics I 4(4-0)

Mechanics, heat, kinetic theory, and sound. The mathematics used is algebra and trigonometry. The sequences PHY 130-131, PHY 170-171 satisfy minimum requirements for medical and dental schools. Quantitative Reasoning. Recommended: A high school math background that includes a good foundation in algebra and trigonometry, or MTH 109. (University Program Group II-B: Quantitative and Mathematical Sciences)

PHY 131 College Physics II 4(4-0)

A continuation of PHY 130 that covers the topics of electricity, magnetism, optics and modern physics. Prerequisite: PHY 130.

PHY 145QR University Physics I 4(4-0)

Normally the first physics course for majors and minors. Mechanics of single and many-particle systems, conservation laws, statistical concepts, and gravitational interaction. Quantitative Reasoning. Pre/Co-Requisite: MTH 132.

PHY 146 University Physics II 4(4-0)

Temperature and thermodynamics, electromagnetic interaction, electrical circuits, electromagnetic radiation, and optics. Not open to those with credit in PHY 131. Prerequisite: PHY 145. Pre/Co-requisite: MTH 133.

PHY 170 College Physics Laboratory I 1(0-2)

Experimental techniques of physics introduced by studying quantitative situations through error analysis, graphical analysis, small computer calculations, and fitting data to model functions. Laboratory experience for PHY 130. Satisfies University Program Group II laboratory requirement. Pre/Co-requisite: PHY 130. (University Program Group II-B: Quantitative and Mathematical Sciences)

PHY 171 College Physics Laboratory II 1(0-2)

Laboratory experience for PHY 131. Introductory experimental techniques and instrumentation for electrical, optical, and nuclear phenomena. Prerequisite: PHY 170. Pre/Co-Requisite: PHY 131.

POR - Portuguese**POR 205 Accelerated Elementary Portuguese 4(4-0)**

Designed for students who have had no or little Portuguese. Covers all four basic language and communicative skills. Introduction to the culture of Portuguese-speaking countries. This course may be offered in an online format. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

PSC - Political Science**PSC 100 Introduction to Political Science 3(3-0)**

An introduction to the historical and theoretical concepts and subject matter of political science, required for all political science majors and minors. May be offered as Writing Intensive. This course may be offered in an online format. (University Program Group III-B: Studies in Social Structures)

PSC 105 Introduction to American Government and Politics 3(3-0)

Examines the formal institutions of government and how politics actually works in the United States: civil rights, civil liberties, elections, media, interest groups and more. This course may be offered in an online format. May be offered as Writing Intensive. (University Program Group III-B: Studies in Social Structures)

PSC 125 African-American Politics 3(3-0)

Examines issues of political economy, political participation, political efficacy and alienation, Black Nationalism and Pan-Africanism.

PSC 150 Introduction to International Relations 3(3-0)

Introduction to theoretical tools used in the field of international relations. May be offered as Writing Intensive. This course may be offered in an online or hybrid format. (University Program Group III-B: Studies in Social Structures)

PSC 180QR Polls, Politics and Policy 3(3-0)

Introduction to quantitative reasoning to provide students with the skills necessary to interpret and critically assess the validity and reliability of political data. This course may be offered in an online or hybrid format. Quantitative Reasoning.

PSC 261 State and Local Government 3(3-0)

Structure and functions of states, cities and counties, with emphasis on Michigan. May be offered as Writing Intensive. This course may be offered in an online format. (University Program Group III-B: Studies in Social Structures)

PSC 275 Great Political Thinkers 3(3-0)

Discussion of vital issues in the history of Western political thought, such as freedom, justice, equality, and power. Authors include Plato, Aristotle, Machiavelli, Marx. This course may be offered in an online or hybrid format. (University Program Group I-A: Human Events and Ideas.)

PSC 280 Introduction to Empirical Methods of Political Research 3(3-0)

Empirical political research techniques including the scientific method, measurement, descriptive and inferential statistics, literature reviews, data collection, computer assisted data analysis, and research reporting. This course is approved for offering in a distance learning format. Prerequisites: PSC 100 or PSC 105; one other political science course.

PSC 300 Michigan Politics and Elections 3(3-0)

Analysis of Michigan's election campaigns with focus on organization, strategies and tactics. Emphasis on election consequences for state's policy leaders, opinion, interests and government. Prerequisite: PSC 105 or PSC 261.

PSC 301 Law and Policy in Michigan State Government 3(3-0)

Analysis of Michigan's legislative process, policy issues, and state government politics. Emphasis on origination, shaping, negotiating, and content of state policy. Prerequisites: PSC 105 or PSC 261.

PSC 320 The American Legislative Process 3(3-0)

Analysis of the legislative process, studying formal and informal devices used by legislative bodies in determining policy. Primary emphasis is on the United States Congress. This course may be offered in an online or hybrid delivery format. Prerequisites: PSC 105.

PSC 321 The American Chief Executive 3(3-0)

Development of the executive office of the United States, with emphasis on the Presidency. This course has been approved for offering in a distance learning format.

PSC 322 Judicial Process and Politics 3(3-0)

Focuses on the American judicial process, including federal and state courts, roles of judges and other actors, civil and criminal justice processes, and judicial policymaking. Recommended: PSC 100 or PSC 105.

PSC 323 American Parties and Politics 3(3-0)

Analysis of American political parties as instruments of democratic government. Their structures, functions, and organizations, with emphasis on nomination, campaigns, and elections.

PSC 325 The Civil Rights Movement 3(3-0)

Examines the civil rights movement from 1954 to 1980s; based on PBS series: Eyes on the Prize. Identical to PHL 345, REL 345, SOC 345. Credit may not be earned in more than one of these courses. Prerequisites: Any one of the following: HST 110, HST 111, HST 112, LAR 145, PSC 100, PSC 105, PSC 125, REL 140, SOC 100. (University Program Group IV-C: Studies in Racism and Diversity in the United States)

PSC 326 Women and Politics 3(3-0)

This course will look primarily at empirical studies of women's role in politics in the U.S. but also in other contexts. Identical to WGS 326. Credit may not be earned in more than one of these courses.

PSC 327 Lobbying and Interest Group Behavior 3(3-0)

The reasons for, and the methods of, lobbying government officials in the United States, with an emphasis on implications for democracy. Recommended: PSC 105.

PSC 328 Campaigns and Elections 3(3-0)

Study of campaigns and elections in the United States, including candidate emergence and nominations, campaign organization and strategy, election results, and electoral reform.

PSC 340 African Political Systems and Processes 3(3-0)

Comparative survey of selected African political systems with focus upon Sub-Saharan Africa.

PSC 344 East Asian Political Systems and Processes 3(3-0)

Emphasis on selected states in East Asia. East Asia consists of China, Japan, and Korea. This course may be offered in an online or hybrid format. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

PSC 345 Middle Eastern Political Systems 3(3-0)

Comparative analysis of the politics of selected Middle Eastern states, including Egypt, Iraq, Saudi Arabia, Algeria, Jordan, Morocco, Iran, Israel and Turkey. This course is approved for offering in a distance learning format.

PSC 371 American Political Thought 3(3-0)

Selective survey of dominant trends in American political thought from the revolutionary era to the present. This course may be offered in an online or hybrid format. (University Program Group I-A: Human Events and Ideas.)

PSC 375 Modern Ideologies 3(3-0)

This course examines a number of different modern ideologies such as liberalism, socialism, fascism, conservatism, environmentalism, and radical Islamism. This course may be offered in an online format.

PSC 393 Practicum in Citizen Engagement 1-12(Spec)

This course provides experiential learning in a variety of leadership techniques intended to facilitate citizen engagement in public decision making. CR/NC only. Prerequisite: Permission of instructor.

PSC 394 Practicum in Public Polling 1-12(Spec)

This course provides experiential learning in the use of public opinion polling to facilitate democratic processes and governance. CR/NC only. Prerequisites: PSC 280 and permission of instructor.

PSC 421 Constitutional Law: Powers of Government 3(3-0)

Examines major U.S. Supreme Court decisions concerning judicial review, separation of powers, federalism, fiscal and commerce powers, and economic liberties.

PSC 422 Constitutional Law: Civil Rights and Liberties 3(3-0)

Examines major U.S. Supreme Court decisions regarding the First Amendment, criminal procedure, racial and gender equality, and the right to privacy.

PSC 453 American Foreign Policy 3(3-0)

Analyzes the external interests of the United States and how they are pursued.

PSC 513 Citizen Engagement in Public Life 3(3-0)

This course examines trends in Americans' participation in public life, as well as various approaches intended to increase their civic and political engagement. Prerequisite: PSC 105 or graduate status.

PSC 514 American Public Policy Making 3(3-0)

This course serves to integrate political institutions and levels of government in terms of policy development and implementation. Prerequisites: PSC 105 or graduate standing. This course is approved for offering in a distance learning format.

PSC 515 Comparative Public Policy 3(3-0)

Techniques of cross-national and other comparative policy analysis applied to social and economic policies of industrialized nations, especially Western Europe. This course may be offered in an online or hybrid format. May be offered as Writing Intensive.

PSC 516 Environmental Politics and Policy 3(3-0)

Analysis of relationships between politics and public policy in the environmental arena. Emphasis upon policy making process, political strategies, and alternative decision modes. Prerequisites: complete minimum of 56 credit hours of university course work.

PSC 520 American National Government and Politics 3(3-0)

This course will examine the major theoretical frameworks used in the study of American national government and politics and survey current research in the area. Prerequisites: a minimum of 9 hours of political science coursework, including PSC 105.

PSC 522 Regulatory Processes and Administrative Law 3(3-0)

Survey of the principles of administrative law and the politics of the U.S. regulatory processes. This course is approved for offering in a distance learning format.

PSC 551 Seminar in International Relations 3(3-0)

Significant aspects of international relations on the basis of timeliness and importance. This course is approved for offering in a distance learning format.

PSC 555 International Law I 3(3-0)

Processes of international law; role in international relations and organizations; effects on individual rights in peacetime through cases, treaties, customs, and legal rules. This course is approved for offering in a distance learning format.

PSC 556 International Law II 3(3-0)

This course supplements the study of the international legal regime examined in International Law I by focusing upon the newly established international criminal law regime. Recommended: PSC 555.

PSC 563 Politics and Policy in Urban Communities 3(3-0)

Examination of large and small city governments. Their political process, behavior and citizen participation. Emerging public policies and intergovernmental cooperation.

PSC 566 Intergovernmental Relations in the United States 3(3-0)

An analysis of the administrative and fiscal relationships between the national, state, and local governments, with emphasis on grants-in-aid and revenue sharing.

PSC 583 Survey Research 3(3-0)

Development and utilization of quantitative data, with emphasis on behavioral research, public opinion polling, and statistical analysis.

PSC 590 Independent Study 1-6(Spec)

Prerequisite: Open to majors or minors who have completed at least 12 hours of political science with a B average; arrange with department chairperson and instructor.

PSC 670 Justice, Freedom, Equality: Essential Political Ideas 3(3-0)

The history of political ideas in the Western world, with a focus on justice, freedom, and equality. Authors include Plato, Aristotle, Machiavelli, Locke, and Marx. This course may be offered in an online or hybrid format.

PSC 790 Advanced Readings I 1-6(Spec)

Prerequisites: Permission of advisor and department chairperson.

PSY - Psychology**PSY 100 Introduction to Psychology 3(3-0)**

Survey of concepts, methods, and fields of psychology. This course may be offered in an online or hybrid format. (University Program Group III-A: Behavioral Sciences)

PSY 210Q Introduction to Psychological Statistics 3(3-0)

Basic descriptive and inferential statistics are considered, including measures of central tendency and variability, the normal distribution, the t-test, ANOVA, correlation, and chi-square. This course may be offered in an online or hybrid format. Quantitative Reasoning. Prerequisites: PSY 100 and completion of Mathematics Competency.

PSY 220 Developmental Psychology 3(3-0)

Research-based findings on the development of human behavior from conception through late adulthood. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 225 Foundations of Cognitive Science 3(3-0)

Introduction to cognitive science, the problems it addresses, its evolving models of the mind, its interdisciplinary nature, and its broader ramifications. Identical to PHL 225. Credit may not be earned in more than one of these courses.

PSY 250 Abnormal Psychology 3(3-0)

Nature, causes, and treatment of mental disorders. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 285 Research Methods 3(3-0)

An introduction to the various research methodologies in Psychology. May be offered as Writing Intensive. This course may be offered in an online format. Prerequisite: PSY 100; one of the following with a grade of C or better: PSY 211, BIO 500, HSC 544.

PSY 301 Sports Psychology 3(3-0)

The relationship between psychology and sport from the perspective of theory, research, and practice. Topics include personality, cognition, motivation-emotion, social processes, and youth sport. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 310 Psychological Testing 3(3-0)

Theory and foundations of testing with some emphasis on the interpretation of test results. Examination of a variety of different tests. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 324 Childhood and Adolescence 3(3-0)

Psychological development from childhood through the college years. Main topics are personality, social, and cognitive development. This course may be offered in an online or hybrid format. Prerequisite: PSY 220 or HDF 100 or EDU 280.

PSY 325 Psychology of Aging 3(3-0)

Empirical approach to understanding changes and continuities in physiological, cognitive, perceptual, behavioral, and social functioning in later life. Prerequisites: PSY 220 or signed Gerontology Minor.

PSY 330 Social Psychology 3(3-0)

Empirical approach to understanding individual social behavior. Deals with the person and the social environment with a focus in attitudes, interpersonal behavior, and group processes. Prerequisite: PSY 100. This course is approved for offering in a distance learning format.

PSY 334 Psychology of Women 3(3-0)

Explores psychological issues pertaining specifically to women in the following areas: affective and cognitive functioning, personality theories, adult role behaviors, sexuality and physical and mental health. Identical to WGS 334. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format.

PSY 336 Industrial/Organizational Psychology 3(3-0)

The psychology of work and organizations. Introduction to the use and application of psychology in the workplace. Prerequisite: PSY 100. This course is approved for offering in a distance learning format.

PSY 340 Studies in Personality 3(3-0)

A survey of the major theories and principles that are used to describe/explain the individual. The primary focus will be on evaluating and testing theories via research findings. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 350 Clinical Interviewing and Counseling 3(3-0)

Theory and practice of psychological interviewing and counseling. Recommended: PSY 220, PSY 250. Prerequisites: PSY 100.

PSY 379 Health Psychology 3(3-0)

Study of the relationship between psychological variables and health, including physiological factors, psychological influences affecting health, behavior and chronic disease, psychology's contribution to health promotion. This course may be offered in an online or hybrid format. Prerequisite: PSY 100. Recommended: HSC 106.

PSY 383 Learning and Memory 3(3-0)

Introduction to the major theoretical-empirical views that characterize the area of learning and memory. This course may be offered in an online or hybrid format. Prerequisite: PSY 100.

PSY 385 Applications of Research Methods 3(3-0)

Second course in psychological research methodology. Students design, execute, interpret, and report psychological research. This course may be offered in an online or hybrid format. May be offered as Writing Intensive. Prerequisites: PSY 285 with a grade of C or better; ENG 201.

PSY 387 Behavioral Neuroscience 3(3-0)

Overview of the neurological processes underlying organismic behavior. Surveys neurobiological explanations of sensation, movement, motivation, emotion, sleep, learning, neurological disorders, recovery mechanisms. This course may be offered in an online or hybrid format. Prerequisites: One of the following: PSY 100, BIO 101, BIO 105, BIO 110, BIO 151, HSC 211.

PSY 459 Stress 3(3-0)

Defines stress and how to measure it, evaluates evidence about causes/correlates of stress, and introduces strategies to deal with stress. This course is approved for offering in a distance learning format. Prerequisites: PSY 100.

PSY 531 Group Dynamics 3(3-0)

Conceptual and empirical background in the dynamics of face-to-face groups and related interpersonal areas. Emphasis is cognitive-theoretical rather than experiential. Prerequisite: PSY 330 or graduate standing.

PSY 536 Personnel Psychology 3(3-0)

This course examines the identification, measurement, and development of individual differences. Topics include job analysis, criterion development, personnel selection, training, and performance evaluation. Prerequisites: PSY 211, 336; or Graduate Standing. Recommended: PSY 310.

PSY 575 Autism Spectrum Disorder: Characteristics and Etiology 3(3-0)

This course reviews characteristics and etiology of individuals with autism spectrum disorders. This course may be offered in an online format. Identical to SPE 530. Credit may not be earned in more than one of these courses. Prerequisites: Junior standing or graduate status.

PSY 592 Supplemental Supervision in Applied Behavior Analysis 1-12(Spec)

Supervised field experience for Behavior Analyst Certification Board certification. This course may be offered in an online or hybrid format. Prerequisites: Permission of Instructor.

PSY 761 Advanced Seminar in Ethical-Legal Issues for School Psychologists 1(1-0)

New and emerging ethical-legal issues in school psychology. This course may be offered in an online or hybrid format. Recommended: Prior coursework in applied professional ethics.

REL - Religion**REL 101 World Religions: An Introduction to the Study of Religion 3(3-0)**

Basic forms of religious thought, practice, and expression studied as a component of human life; includes a survey of major religious traditions. This course may be offered in an online format. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas)

REL 313 Christianity 3(3-0)

Development of the Christian religious tradition from Jesus of Nazareth to its major contemporary branches: Orthodoxy, Roman Catholicism, and Protestantism. (University Program Group I-A: Human Events and Ideas.)

REL 314 Islam 3(3-0)

Muhammad and the Qur'an, the Sunni and Shi'a split; nine subcultures of the Muslim world; Shari'a; women in Islam; jihad; terrorism; Islamism, and Sufism. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

REL 320 The Buddhist Tradition 3(3-0)

The general nature of the Buddhist tradition, with attention to particular developments within it (e.g., tantra, Zen). Primarily examines Buddhism's role in selected Asian cultures. This course may be offered in an online or hybrid format. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

REL 334 Death and Dying 3(3-0)

Religious and cultural explanations of death and responses to dying, death and mourning; religious, ethical, biomedical ethical and legal issues, e.g., health care, suicide, abortion, euthanasia. This course may be offered in an online or hybrid delivery format. May be offered as Writing Intensive. (University Program Group I-A: Human Events and Ideas.)

RLA - Recreation and Leisure Activities

Note: a limitation of 6 hours of PED and/or RLA courses may be applied toward the requirements for graduation.

RPL - Recreation, Parks, and Leisure Services Administration**RPL 318 Field Course in Recreation Specialization 1-15(Spec)**

Supervised practical, field work experience within a leisure services organization.

RPL 321 International Practicum in Leisure Services 1-30(Spec)

In-depth, practical field experience for international students with a leisure or recreation agency.

RPL 400 Special Issues in Leisure Services 1-6(Spec)

In-depth study of a special issue in leisure services. May be repeated up to six credits for different topics. Prerequisites: One of the following: RPL 204, 261, 216 or 210; or a signed RPL minor; or a signed Event Management minor.

RPL 511 Liability and Risk Management in Leisure Services 3(3-0)

Situational analysis of the legal systems impacting the delivery of recreation and leisure services. Emphasis on applied legal understanding and loss control strategies. This course may be offered in an online or hybrid format. Prerequisite: 6 credits in RPL or signed Event Management Minor; or Graduate Status.

RPL 521 Fund Development & Grant Writing for Public & Non-profit Organizations 3(3-0)

Processes and applied skills for fund development and grant writing for public and nonprofit organizations. This course may be offered in an online or hybrid format. Pre/Co-requisites: RPL 405 or 508 or senior or graduate status.

RPL 545 Marketing of Leisure Services 3(3-0)

Provides the foundation and basis for applying marketing principles and techniques to the provision of leisure service experiences. May be offered as Writing Intensive. Prerequisites: 6 Credits of RPL or Event Management Minor.

RPL 600 Advanced Issues in Recreation 1-6(Spec)

Advanced concentration study of a current recreation or park administration problem or issue. Prerequisite: Admission to MA or MSA in Recreation & Park Administration program.

RPL 611 Evaluation in Recreation and Leisure Services 3(3-0)

A study of evaluation and its application to the field of recreation and leisure services. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MSA program.

RPL 618 Issues in Leisure 3(3-0)

Theories of leisure behavior and current issues and trends in leisure. Topics discussed are dependent upon interests of students enrolled in class. This course may be offered in an online or hybrid format. Prerequisite: Admission to the MSA program.

RPL 636 Recreation Facility Operations and Management 3(3-0)

Administrative practices for the management and operations of areas and facilities for recreation and leisure services. This course may be offered in an online or hybrid format.

RPL 640 Recreation Program and Event Administration 3(3-0)

Principles and procedures in the conceptualization, planning, administration, operations, and evaluation of recreation programs and special events. This course may be offered in a hybrid or online format. Prerequisite: Admission to the MSA program.

SCI - Sciences**SCI 410 Teaching Integrated Science K-8 3(3-0)**

Development of teaching methods and laboratory skills necessary for teaching science in grades K-8. Prerequisites: BIO 101; CHM 120; PHS 151; GEL 130; GEO 105 or 201; EDU 345; Tier Two - Admission of Candidacy to Teacher Education.

SOC - Sociology

SOC 100 Introductory Sociology 3(3-0)

Systematic introduction to the field of sociology, its theories, concepts, and methods. Explores social relationships within the context of social structure. This course may be offered in an online or hybrid format. (University Program Group III-B: Studies in Social Structures)

SOC 201 Social Psychology 3(3-0)

Examines the links between social structure and self. Substantive topics may include: agency, emotions, socialization, attitudes, gender, inequality, deviance, conflict, and social change. (University Program Group III-A: Behavioral Sciences)

SOC 221 Social Problems 3(3-0)

Explores the nature and extent of major social problems. Examines structural, institutional, constructionist and normative elements, and encourages critical engagement with types of proposed solutions. (University Program Group III-B: Studies in Social Structures)

SOC 223 Urban Structures and Change 3(3-0)

Culture and social system of the city. Demographic structures, patterns of conflict and cooperation, and problems peculiar to urban social organization. May be offered as Writing Intensive. Prerequisite: SOC 100 or 221.

SOC 311 Sociology of Education 3(3-0)

Contributions of sociology to an understanding of education as a social process. Prerequisite: SOC 100 or SOC 201 or SOC 221.

SOC 323 Racism and Inequality 3(3-0)

Relations among dominant and subordinate groups focusing on racism as structural inequality. This course may be offered in an online or hybrid format. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

SOC 411 The Family 3(3-0)

Family as a contested social institution embedded in changing social and cultural contexts. Explores kinship systems, family diversity, social organization, social conflict, family policy, and change. Prerequisites: SOC 100 or 201 or 221.

SOC 502 Theories of Race Relations in Sociology 3(3-0)

Contributions to sociological theories of race and ethnic relations by major theorists. This course may be offered in an online or hybrid delivery format. Prerequisites: SOC 301, 323, 350; or regular admission to the Sociology graduate program.

SOC 506 Comparative Cultural Systems 3(3-0)

Explores theories of cultural development, with particular emphasis on urban and post-industrial cultures. Students investigate cultures different from their own. Identical to ANT 506. Credit may not be earned in more than one of these courses. This course is approved for offering in a distance learning format. Prerequisite: One anthropology or sociology course.

SOC 512 Industrial Sociology 3(3-0)

Characteristics of industrial societies. Relationship of the organization of industrial work to that of nonwork culture, institutions, and roles. Prerequisites: SOC 300 or both SOC 200 and 350; SOC 301; or regular admission to the Sociology Graduate Program.

SPE - Special Education

SPE 458 Special Education Clinical Experience: Cognitive Impairment 9(Spec)

This course provides a 16-week clinical experience working with students with cognitive impairment in a classroom appropriate to the special education endorsement. CR/NC only. Prerequisites: Elementary Regular Education Students: EDU 107, 330, 380, and 393 with a C+ or better. Minimum of C+ in all EDU courses. Secondary Regular Education Students: EDU 107, 290, 310, 325 with C+ or better. Minimum of C+ in all EDU classes. Both: Approval by major and minor departments indicating that 75 percent of coursework is completed with GPA of 2.7 or better. Overall GPA of 2.7 or better. SPE 126 with a C or better; SPE 322, 323, 324, 578 and 579 all with a C+ or better; Tier Two: Admission of Candidacy to Teacher Education. Co-requisite: SPE 522.

SPE 504 Teaching Students in Inclusive Settings 3(3-0)

Theory and practice of the instruction of students who have disabilities in general education settings. This course is approved for offering in a distance learning format. Prerequisite: Junior standing or graduate status.

SPE 519 Students with Cognitive Impairment 3(3-0)

Causes, diagnostic procedures, and research concerning individuals with cognitive impairment. Grade of C+ or better required to count toward degree. This course may be offered in an online or hybrid format. Prerequisites: SPE 126 with a grade of C or better; SPE 322 and 323 with grades of C+ or better; Tier Two - Admission of Candidacy to Teacher Education. Graduate students may be admitted with permission of instructor.

SPE 521 Teaching Students with Cognitive Impairment 3(3-0)

Special techniques and materials used in instruction of students who have cognitive disorders. Grade of C+ or better required to count toward degree. This course may be offered in an online or hybrid format. Prerequisites: SPE 126 with grade of C or better; SPE 322, SPE 323 with grades of C+ or better; Tier Two - Admission of Candidacy to Teacher Education. Graduate students may be admitted with permission of instructor.

SPE 522 Seminar in Advanced Methods for Teaching Students with Cognitive Impairment 3(3-0)

This course involves the practical application of pedagogical knowledge for teaching students with cognitive impairment. Students must receive a C+ or better in this course. This course may be offered in an online format. Prerequisites: SPE 126 with a C or better; SPE 322, 323, 324, 519, 521 all with a C+ or better; Tier Two: Admission of Candidacy to Teacher Education. Co-Requisite: SPE 458.

SPE 530 Autism Spectrum Disorder: Characteristics and Etiology 3(3-0)

This course reviews characteristics and etiology of individuals with autism spectrum disorders. This course may be offered in an online format. Identical to PSY 575. Credit may not be earned in more than one of these courses. Prerequisites: Junior standing or graduate status.

SPE 531 Autism Spectrum Disorder: Educational Implications 3(3-0)

Presentation of special techniques and materials used in best practice instruction of students with autism spectrum disorders. This course may be offered in an online format. Prerequisites: SPE 530; senior standing or graduate status.

SPE 532 Applied Behavior Analysis for Teachers 3(3-0)

Applied behavior analysis (ABA) as it relates to learners with autism spectrum disorders in inclusive settings. This course may be offered in an online format. Prerequisite: SPE 530; Senior standing or graduate status.

SPE 545 Special Education Workshop 1-6(Spec)

Study of trends, alternative approaches, and innovative curricula in programming for the exceptional student. This course is a variable credit topical workshop. This course is approved for offering in a distance learning format. Prerequisite: Junior standing or graduate status.

SPE 550WI Teaching Diverse Students in Educational Settings 3(3-0)

Survey of sociocultural influences on the performance of students from varying backgrounds, and educational provisions made for them in public schools including an anti-bias framework. This course may be offered in an online format. Writing Intensive. Prerequisites: Sophomore standing or graduate status.

SPE 570 Career Development and Transitions 3(3-0)

Lifespan issues for persons with disabilities, stressing curriculum content and instructional strategies that promote interdisciplinary career development and transition education at all age levels. This course may be offered in an online format. Prerequisites: SPE 126 with a C or better; Junior standing or graduate status.

SPE 577 Introduction to Specific Learning Disability 3(3-0)

Systematic introduction to the identification, diagnosis and remediation of specific learning disabilities. This course is approved for offering in a distance learning format. Prerequisite: Junior standing or graduate status.

SPE 578 Students with Emotional Impairment 3(3-0)

Diagnostic procedures, therapy, and research concerning children and youth with emotional impairment. Grade of C+ or better required to count toward degree. This course may be offered in an online or hybrid format. Prerequisites: SPE 126 with a grade of C or better; SPE 322 and 323 with grades of C+ or better; Tier Two - Admission of Candidacy to Teacher Education.

SPE 579 Teaching Students with Emotional Impairment 3(3-0)

Special techniques and materials used in instruction of students who have emotional and behavioral disorders. Grade of C+ or better required to count toward degree. This course may be offered in an online or hybrid format. Prerequisites: SPE 126 with a grade of C or better; SPE 322, 323 with grades of C+ or better; Tier Two - Admission of Candidacy to Teacher Education. Graduate students may be admitted with permission of instructor.

SPE 581 Seminar in Advanced Methods for Teaching Students with Emotional Impairment 3(3-0)

This course involves the practical application of pedagogical knowledge for teaching students with emotional impairment. Students must receive a C+ or better in this course. This course may be offered in an online format. Prerequisites: SPE 126 with a C or better; SPE 322, 323, 324, 578, 579 all with a C+ or better; Tier Two: Admission of Candidacy to Teacher Education. Co-Requisite: SPE 458.

SPE 585 Early Childhood Special Education 3(3-0)

Current issues in early childhood special education aligned with developmentally appropriate practices, working with families, professionals, and curriculum focused on children birth to eight. This course may be offered in an online or hybrid format. Prerequisites: HDF 100 or EDU 280; or junior standing; or graduate status.

SPE 600 Current Issues and Historical Trends in Special Education 3(3-0)

Concentrated study of current special education problems with particular attention to program implementation and development resulting from recent legislation and research. This course may be offered in an online format. Prerequisite: Admission to a master's program in special education.

SPE 640 Administration of Special Education 3(3-0)

Study of the organization and administration of special education programs. This course may be offered in an online format. Identical to EDL 675. Credit may not be earned in more than one of these courses.

SPE 645 Special Education Workshop 1-6(Spec)

Study of trends, alternative approaches, and innovative curriculum in planning for individuals with disabilities. Specifically for in-service training. This course may be offered in an online or hybrid format. Prerequisite: permission of instructor.

SPE 650 Promoting Self-Determination and Self-Regulation in Students with SLD 3(3-0)

This course involves evidence-based strategies for promoting self-determination, self-regulation, and self-advocacy skills in students with specific learning disabilities. This course may be offered in an online format. Prerequisite: SPE 577.

SPE 675 Teaching the Student with Learning Disabilities 3(3-0)

Methods and materials used in teaching students with specific learning disabilities. This course may be offered in an online or hybrid format. Prerequisite: SPE 577.

SPE 679 Behavioral and Curricular Interventions for Individuals with Mild Disabilities 3(3-0)

Examining the relationship between student behaviors and curriculum in the education of individuals with mild disabilities, focusing on the techniques and practices of various interventions. This course may be offered in an online format. Prerequisites: SPE 600, 695; admission to MA in Special Education program.

SPE 685 Innovative Cognitive Techniques in Special Education 3(3-0)

A study of instructional techniques which have been shown to effective in enhancing the cognitive skills of special education students. Prerequisites: SPE 577, PSY 667, SPE 675.

SPE 689 Graduate Practicum in Special Education 6(Spec)

Provide students the opportunity to develop and demonstrate competencies required for working with students with autism spectrum disorder or cognitive impairment or emotional impairment or specific learning disabilities. This course may be offered in an online format. Prerequisites: Autism Spectrum Disorder: CDO 550; SPE 530, 531, 532, 533. Cognitive Impairment: SPE 519, 521, 522. Emotional Impairment: SPE 578, 579, 581. Specific Learning Disabilities: SPE 577, 650, 675, 690. Application to register for this course must be filed during the semester prior to registration for approval.

SPE 695 Research for Special Education 3(3-0)

Presentation and application of designs and procedures pertinent to conducting research in special education. Includes writing a research proposal and manuscript, implementing mini-research project. This course may be offered in an online format. Prerequisites: Regular or conditional admission to the M.A. in Special Education; SPE 600, permission of instructor.

SPE 720 Seminar: Teaching Students with Severe Cognitive Impairment 3(3-0)

Study and research of selected topics that reflect total education programming for individuals with severe cognitive impairment. This course may be offered in an online or hybrid format. Prerequisite: major in Teachers of Students with Cognitive Impairment.

SPE 741 Seminar: Administration of Special Education 2(2-0)

Provides interaction among special educators to discuss current issues and problems in implementing programs in accordance with special education code and guidelines. This course may be offered in an online or hybrid format. Prerequisites: SPE 640 and background in research methods.

SPE 750 Consultation and Collaboration in Special Education 3(3-0)

Analysis and application of the skills, competencies, responsibilities, priorities, and evaluative processes appropriate in special education. This course may be offered in an online format. Prerequisites: SPE 600, 695, 679, 785.

SPE 785 Assessment and Program Improvement in Special Education 3(3-0)

Selection, evaluation, administration, and interpretation of assessments used in special education for data-based program improvement. This course may be offered in an online format. Prerequisites: SPE 600, 695, 679.

SPE 790 Special Education Graduate Capstone 3(3-0)

Capstone seminar to synthesize master's coursework. This course may be offered in an online format. Prerequisites: SPE 600, 679, 695, 750, 785.

SPN - Spanish**SPN 101 Elementary Spanish I 4(4-0)**

Designed for students who have had no Spanish. Basic language skills. Introduction to the culture of the Spanish-speaking countries. Students who have previous preparation in Spanish are required to take a placement exam. Students who have had more than two years of high school Spanish may enroll only with permission of instructor. May be offered in an online or hybrid format. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

SPN 102 Elementary Spanish II 4(4-0)

Designed for students who have had Spanish 101 or the equivalent. Basic language skills. Introduction to the culture of the Spanish-speaking countries. Students who have previous preparation in Spanish are required to take a placement exam at [www.chsbs.cmich.edu/flls](http://chsbs.cmich.edu/flls) using the password chippewas1. Students who have had more than two years of high school Spanish may enroll only with permission of instructor. This course may be offered in an online or hybrid format. Recommended: SPN 101. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

SPN 390 Chicano/Latino Experience in the US 3(3-0)

An examination of the Chicano/Latino experience in the US, including broader issues of inequality, race, ethnicity and discrimination. Taught in Spanish. This course may be offered in an online or hybrid format. Recommended: SPN 331. (University Program Group IV-C: Studies in Racism and Cultural Diversity in the United States)

SPN 595 Theory and Practice of Translation 3(3-0)

Seminar on the historical, theoretical and practical aspects of translation. The link between linguistic and cultural factors and their relationship to translation will be emphasized. This course may be offered in an online or hybrid format. Prerequisites: SPN 375; one SPN 400 level course; or graduate standing in M.A. Spanish Program.

SPN 615 Themes in Latin American Cultural Studies 3-9(Spec)

Analysis of Latin American societies through concepts of nation, ethnicity, social class, and gender. Topics may include cultural production, urban politics, and socioeconomic development. A student may take this course up to three times, for 3 credits each time, when content previously studied is not duplicated. This course may be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 620 Special Topics in Spanish-American Literature 3-9(Spec)

Examination of literature and culture in Spanish America through analysis of literary and cultural texts. May be taken up to three times when themes are different. May be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 621 Colonial to 19th-Century Spanish American Literature 3(3-0)

Special topics seminar on Spanish-American literature from the 16th-19th centuries through analysis of representative texts and other media, with an overview of the historical context. This course may be offered in an online or hybrid format. Prerequisites: Admission to the M.A. program in Spanish.

SPN 622 20th and 21st-Century Spanish American Literature 3(3-0)

Analysis of Spanish American literary texts and their relationship with the changing social landscape of the 20th and 21st century. May be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 623 Critical Thinking through Hispanic Literature 3(3-0)

This course offers instruction in analytical and argumentative writing, critical thinking, research strategies and proper documentation through the study of Hispanic literary works. This course may be offered in an online or hybrid format. Prerequisites: Admission to the M.A. program in Spanish.

SPN 630 Themes in Spanish Peninsular Literature and Cultures 3-9(Spec)

Special topics seminar on main themes, authors and genres of prose, drama and lyric production in Spain from the medieval period to the 21st century. May be taken up to three times if the themes are different. May be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 631 Medieval and Golden Age Spanish Literature 3(3-0)

Special topics seminar on main themes, authors and genres of prose, drama and lyric production in Spain from the medieval period to the 17th century. This course may be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 632 Eighteenth to Twenty-first Century Spanish Literature 3(3-0)

Special topics seminar on literature that reflects significant factors which shape Spanish society and culture from the eighteenth century to the present day. This course may be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

SPN 655 Spanish Pragmatics and Critical Discourse Analysis 3(3-0)

The seminar offers theoretical frameworks and current issues in pragmatics and critical discourse analysis. It demonstrates the relevance and usefulness of both disciplines to the field of applied linguistics. This course may be offered in an online or hybrid format. Prerequisite: Admission to the M.A. program in Spanish.

STA - Statistics**STA 282QR Introduction to Statistics 3(3-0)**

Descriptive statistics, probability, sampling distributions, statistical inference, regression. Course does not count on major, minor in mathematics. Credit may not be earned in more than one of these courses: STA 282, STA 382, STA 392. Quantitative Reasoning. This course may be offered in an online or hybrid format. Recommended: MTH 105 or competency.

STA 575 Statistical Programming for Data Management and Analysis 3(3-0)

Introduction to statistical programming for managing and analyzing data, including programming logic, data manipulation, missing data handling, basic techniques for analyzing data and creating reports. This course may be offered in an online or hybrid format. Prerequisites: STA 282 or 382 or 392; or graduate standing.

STA 580 Applied Statistical Methods I 3(3-0)

Applications of statistical analysis methods including the usage of computer software packages. Topics include simple and multiple regression, diagnostics, forecasting, and analysis of variance. This course may be offered in an online or hybrid format. Prerequisites: STA 282 or 382 or 392; or graduate standing.

STA 591 Data Mining Techniques I 3(3-0)

Data mining techniques for analyzing large and high dimensional data. Topics include data mining strategy, exploratory analysis, predictive modeling techniques, model assessment and comparison. This course may be offered in an online or hybrid format. Prerequisites: STA 580 or graduate standing.

SWK - Social Work

SWK 100 Introduction to Social Work 3(3-0)

Principles and values of social work, community resources and social service agencies, helping methods, and the role of the professional social worker. This course may be offered in an online or hybrid format.

SWK 270 Introduction to Community Development 3(3-0)

Theoretical and practical overview of community development as a core social work competency, focusing on critical issues confronting communities in the 21st century. May be offered in an online or hybrid format.

SWK 375 Social Work and Human Behavior II 3(3-0)

Theories explaining human behavior in groups, organizations, communities, and global systems. This course may be offered in an online or hybrid format. Prerequisites: Admitted to the Social Work Program; C or better in SWK 374. Co-requisite: SWK 321 OR completion of 86 hours in Bachelor of Science with an Option in Community Development.

SWK 490 Community Development: A Critical Approach 3(3-0)

Integrative capstone experience that synthesizes knowledge, skills, and applications in community development and community-based social work in an applied agency project proposal. May be offered in an online or hybrid format. Pre/Co-requisite: SWK 470 (for Social Work students) or Prerequisite: 86 semester hours and signed major in Bachelor of Science degree with an option in Community Development.

TAI - Theatre and Interpretation

TAI 170 Oral Interpretation of Literature 3(3-0)

General education approach to the art of oral interpretation as a dynamic means of analyzing and experiencing literature while communicating it with others. (University Program Group I-B: The Arts)

TAI 302 Voice and Diction 3(3-0)

Theory and practice of principles necessary for improving the speaking voice. Primary emphasis on individual speech improvement.

TAI 373 Oral Interpretation for Children 3(3-0)

General education approach to the art of oral interpretation as a dynamic means of experiencing literature for children and communicating it to children.

TAI 399 Theatre and the Holocaust 3(3-0)

This course examines how theatre was/is used to represent and respond to the Holocaust and Nazi culture. Historical, political, ethical, and aesthetic questions are explored. (University Program Group IV-B: Studies in Cultures Outside of the Anglo-American Tradition)

TAI 585 Creative Dramatics 3(2-2)

Techniques of guiding children through original dramatizations. Primarily for the classroom teacher.

UNV - Prior Learning

UNV 297 Prior Learning 1-60(Spec)

UNV 497 Prior Learning 1-60(Spec)

UNV 697 Prior Learning 1-10(Spec)

WGS - Women and Gender Studies

WGS 280 Queer Fashion 3(3-0)

Examination of LGBTQ experiences via historical fashion analysis. Emphasis on LGBTQ identity fashioned through sartorial choice. Gay aesthetic, camp culture, and LGBTQ designer contributions. Identical to FMD 280. Credit may not be earned in more than one of these courses. This course may be offered in an online format. (University Program Group IB: The Arts)

Code of Student Rights, Responsibilities, and Disciplinary Procedures

This publication presents the Code of Student Rights, Responsibilities and Disciplinary Procedures at Central Michigan University. It establishes the procedures followed and outlines the possible consequences for students found in violation of the "Code of Conduct." The disciplinary procedures outlined in this document do not replace or substitute for filing charges through law enforcement agencies if it is determined that such action is appropriate.

This document originally was formally adopted by the Board of Trustees for Central Michigan University on December 16, 1972. Since that time, it has been periodically reviewed and revised as needs changed. This revision was approved by the President and the Board of Trustees on June 24, 2014 and amended by the President on December 12, 2014 and March 16, 2015.

The President is responsible for promulgating rules and regulations pertaining to student rights and responsibilities, including regulations governing student organizations, in keeping with the policies and goals established by the Board of Trustees. In fulfilling this responsibility, the President is obligated to assure the right of due process for students.

The President has designated the Associate Vice President for Student Affairs as the person charged with the administration of student discipline. The Associate Vice President for Student Affairs appoints Conduct Proceedings Officers to answer questions concerning the rights and responsibilities of students, to receive complaints as they are reported, and to follow through with discipline cases to their resolution.

Student Affairs Office
March 16, 2015

1. Preamble

The students, faculty, and staff of Central Michigan University constitute an academic community that is committed to the preservation, communication, and discovery of knowledge, and to the active pursuit of truth. Consistent with this purpose, the university recognizes its obligation to afford each student the opportunity to develop the student's educational potential while retaining free exercise of rights and freedoms as a citizen. Such opportunity should be limited only by the necessity of insuring equality of opportunity to all students, and by the corollary requirement of orderly operation of the educational processes. Each member of the Central Michigan University community assumes an obligation regarding self-conduct to act in a manner consistent with a respect for the rights of others and with the university's function as an educational institution. As guides for individual and group actions within this community, the university affirms the following general principles of conduct. These principles serve as the basis for regulations concerning student conduct.

1.1 The community requires a system of order supportive of the educational process that is the purpose of the university. Primary responsibility for preserving the system of order rests upon the individuals making up the community. Each individual must accept responsibility for their own actions and values and for recognizing that such actions and values affect the whole community. Implicit in the community's recognition of the rights of the individual is an obligation on the part of the individual to accept responsibilities toward the community.

1.2 Even though there is a diversity of opinion regarding many ethical and moral standards, each person should endeavor to maintain self conduct in a manner consistent with respect for others and thoughtful consideration for the needs of society. In social relationships generally, including relations involving the civil, property, and personal rights of others, each individual has an obligation to act in a manner consistent with these fundamental values.

1.3 The educational function depends upon honesty, integrity, and respect for truth. Any action not consistent with these principles is unacceptable.

1.4 As part of the democratic tradition, members of the community should be free to study and act upon social issues, including issues affecting the university. Each person ought to learn and practice the art of thoughtfully examining controversial issues, expressing views individually and as a group member responsibly, and in a manner that is consistent with the educational purpose of the university.

1.5 The university community recognizes the need for the development of personal ethics and philosophies. The members of this community should be committed to broad personal growth and development in society, realizing that each individual has both the freedom and obligation to make ethical choices and to accept the attendant responsibilities.

2. Student Rights

Free inquiry and free expression are essential attributes of a community of scholars. The freedom to learn depends upon appropriate opportunities and conditions in the classroom, on the campus generally, and in the community at large. The responsibility to secure and respect general conditions conducive to the freedom to learn is shared by all members of the university community. Students should strive to develop the capacity for critical judgment and the ability to engage in a sustained and independent search for truth, while endeavoring to exercise their freedom with maturity and responsibility. As students undertake to fulfill the obligations and duties outlined in this document, the university community of which they are a part undertakes to respect the basic freedoms of students.

2.1 Rights of Students

In recognition of students' rights and dignity as members of the university community, Central Michigan University is committed to supporting the following principles and to protecting those rights guaranteed by the Constitution, the laws of the United States and the State of Michigan, local ordinances, and the policies adopted by the Board of Trustees.

2.1.1 Students have the right to free inquiry, expression and association.

2.1.2 Students have the right to editorial freedom in student publications and other student media, e.g. CM Life, WMHW, and MHTV.

2.1.3 Students have the right to representation on the appropriate, designated bodies.

2.1.4 Students accused of misconduct or of violating university policy have the right to have a determination of their violation or non-violation in accordance with university procedures.

2.1.5 Students have the right to protection against improper disclosure of their student records.

2.1.6 Students have the right of access to their personal educational records.

2.1.7 Students have the right to access all policies, rules and decisions concerning their continued enrollment, and to the required course materials and facilities necessary to pursue their studies.

2.1.8 Students have the right to educational programs that meet the objectives of the master syllabus, to teaching consistent with those objectives, and to a learning environment that encourages the students' engagement with their education.

2.1.9 Students have the right to be informed by the faculty near the beginning of each course about course requirements, evaluation procedures, and evaluation criteria to be used, and the right to expect that those criteria be employed. Faculty members have the authority to change a course syllabus after the beginning of the semester and are expected to inform students of these changes in a timely manner.

2.1.10 Students have the right to take reasoned exception to the data or views offered in any course of study; they are, however, responsible for learning the content of any course of study for which they are enrolled.

2.1.11 Students have the right to be evaluated solely on relevant academic criteria and to have protection against arbitrary or capricious academic evaluation as described in the "Grade Grievance Policy" in the University *Bulletin*.

2.1.12 Students have the right to request and receive timely assessment of their academic work by the instructor, or in the case of graduate students by their thesis/dissertation/Plan B committee chairperson and committee members.

2.1.13 Students have the right to request and receive a reasonable and timely review of their grades by the instructor.

2.1.14 Students have the right of complaint about academic matters if they believe their rights have been violated. When not covered by another policy, a complaint is properly filed by presenting the issue first to the faculty member or thesis, doctoral research project or dissertation committee chairperson. If not resolved, the student may take the issue to the department chairperson. If not resolved at this level, the student may take the complaint to the office of the dean of the academic college or the Dean of the College of Graduate Studies.

2.2 Relationships with the University

2.2.1 As citizens, students have the same duties and obligations as do other citizens and enjoy the same freedoms of speech, press, religion, peaceful assembly, and petition that other citizens enjoy. In all of its dealings with students, the university will respect the rights guaranteed to them by the Constitutions and laws of the United States, the State of Michigan, and local ordinances.

2.2.2 All registered student organizations are open to all students without respect to race, religion, creed, sexual orientation, gender, disability, or national origin except that certain organizations (e.g. social fraternities and sororities) are restricted as to gender, as allowed under Title IX of the Education Amendments of 1972.

2.2.3 Students individually and collectively are free to examine and to discuss all questions of interest to them, including questions relating to university policies, and to express opinions publicly and privately. They are free to support causes by any orderly means that do not disrupt the operation of the university.

2.3 Responsibilities of Students and Faculty

Students should conscientiously strive to complete course requirements as stated, and accept responsibility to contribute positively to the learning environment established by faculty. Proper evaluation of students in a course is based solely on performance in meeting appropriate standards established and communicated by the instructor for that course. Each course has a master syllabus approved through university curricular processes, which includes a description of the scope of the course and a list of the goals and objectives of the learning experience. Faculty members assigned to teach a course develop a course outline, based on the master syllabus, to provide students with greater specificity about how the course will be conducted in order to accomplish the intended goals and objectives. Proper evaluation of progress of graduate students in thesis or dissertation work or other research projects is based on attainment of objectives established by the chair of the student's committee according to written departmental guidelines.

2.4 Relationships with Law Enforcement Agencies

In addition to filing complaints under these regulations, victims are encouraged to report crimes to the appropriate law enforcement agency. The CMU Police Department is the designated law enforcement agency for crimes committed on campus. As members of the local community, students are expected to cooperate with all law enforcement agencies.

2.5 Confidentiality of Information

All information about students' views, beliefs, and political associations that members of the university acquire in the course of their work as teachers, administrators, advisers, and counselors is confidential. Improper disclosure of confidential information is a serious violation of the obligations of a member of this university community. Judgments of a student's ability and character, however, may be provided under appropriate circumstances.

2.6 Student Associations

Students are free to form and join associations that advance the common interest of their members. Activities of such organizations must be conducted in accordance with university regulations and public law.

3. Responsibilities of Students

3.1 General Regulations Concerning Student Conduct

3.1.1 The Board of Trustees is responsible for promulgating policies regarding student conduct at Central Michigan University. The President, as its executive officer, is the final authority in all discipline cases. The Vice President for Enrollment and Student Services is the designated officer responsible to the president for conducting discretionary review of a decision of the Appeals Board to suspend a student for more than one week or to dismiss a student. The Associate Vice President for Student Affairs is the designated officer responsible to the President for the administration of student conduct policies. All misconduct of students is reported to the Associate Vice President for Student Affairs or to the persons designated by the AVP for Student Affairs to receive such reports.

3.1.2 This Code applies to student conduct that occurs either on or off campus, especially when such conduct affects the interests of the university. The university shall take disciplinary action in cases concerning a student's actions or offenses occurring within or affecting people on property within the physical boundaries of Central Michigan University, on or affecting university owned or controlled property, or when the student is in attendance at a university sponsored event, or when the interests of the university as a community are clearly involved. A student committing a criminal offense, whether that offense occurs on or off campus, that is also a violation of the Code of Student Rights, Responsibilities and Disciplinary Procedures, may be subject to University discipline. In other cases, where the health and safety of members of this community are clearly involved, the university shall assert its authority.

Students subject to the provisions of this Code are defined as all persons who have enrolled at the university, either full-time or part-time, pursuing undergraduate, graduate, or non-degree studies. Persons who have been enrolled at the university, and who have not withdrawn, are students even when they are not enrolled for a particular term. Students also include persons who have been admitted to the university and who, before their first attendance, participate in activities intended only for prospective students (e.g., orientation, leadership, band, or other camp, athletic training and practices).

3.2 Specific Regulations Concerning Student Conduct

3.2.1 Academic Dishonesty. Written or other work that a student submits in a course shall be the product of that student's own efforts. Plagiarism, cheating, and all other forms of academic dishonesty are prohibited. Students are expected to adhere to the ethical and professional standards associated with their programs and academic courses. Alleged violations of this section shall be adjudicated in accordance with CMU's Policy on Academic Integrity. Copies of the Policy on Academic Integrity may be accessed via the Office of Student Conduct website (<https://www.cmich.edu/ess/studentaffairs/StudentConductOffice/Pages/default.aspx>).

3.2.2 False Information. A student shall not furnish, or attempt to furnish, false or misleading information to university officials or on official university records. Furthermore, a student shall not forge, alter, or misuse the university name, the name of any university employee, documents, records of identification, or attempt to do the same.

3.2.3 Disruption of Learning. A student shall not obstruct, disrupt or interfere, or attempt to obstruct, disrupt or interfere with another student's right to study, learn or complete academic requirements. This includes acts to destroy or prevent or limit access to information or records used by other students in connection with their university responsibilities.

3.2.4 Disruptive Behavior During Class. A student shall not obstruct, disrupt or interfere, or attempt to disrupt or interfere with another student's right to study, learn, participate, or a teacher's right to teach during a class. Whether in the classroom or online, this includes but is not limited to such behaviors as talking at inappropriate times, drawing unwarranted attention to oneself, engaging in loud or distracting behaviors, or refusing to leave a classroom when ordered to do so.

3.2.5 Disruption of University Authorized and Scheduled Events. A student, group of students, or registered student organization shall not obstruct or disrupt, or attempt to obstruct or disrupt, teaching, research, administration, disciplinary procedures, or other university activities. This includes, but is not limited to: acts to destroy or prevent or limit access to information or records used by other students in connection with their university responsibilities or impeding classes, the carrying forward of the university's business, or the arrangements for properly authorized and scheduled events. A person attempts to disrupt when, with the intent to disrupt, that person does any act that constitutes a material step toward disruption.

3.2.6 Access to Facilities. A student shall not enter, or attempt to enter, closed university facilities or facilities clearly under the authorized control of another individual, e.g., student vehicles, rooms or apartments; disrupt or attempt to disrupt, the scheduled use of university facilities; block, or attempt to block, access to or from university facilities; or remain within, or attempt to remain within, university facilities after their closing unless authorized to do so by the President, or the President's designated representative, or the student authorized to and in control of said facility or facilities.

3.2.7 Threat/Endangerment/Assault. A student shall take no action that threatens or endangers the safety, health, or life, or impairs the freedom of any person, nor shall a student make any verbal threat of such action. This includes actions commonly understood to constitute assault or battery.

3.2.7.1 Sexual Assault. A student shall adhere to the university's Sexual Misconduct Policy (#3-39) and the policies contained therein. Copies of the Policy on Sexual Misconduct may be accessed via the Office of Student Conduct website (<https://www.cmich.edu/ess/studentaffairs/StudentConductOffice/Pages/default.aspx>).

3.2.8 Disruptive Self-Injurious Behavior. A student shall not engage or threaten to engage in self-injurious behavior that negatively impacts or is disruptive to the learning/living environment of others.

3.2.9 Property Damage. A student shall take no action that damages or tends to damage property not the student's own.

3.2.10 Theft. A student shall not appropriate for the student's own use, sale, or other disposition, property not the student's own without consent of the owner or the person legally responsible for it. This includes embezzlement, misappropriation and/or theft of university and/or student organizational resources and theft of personal information.

3.2.11 Disorderly Conduct. A student shall not act as a disorderly person or engage in disorderly conduct or disturb the peace, as defined by state statute or local ordinance. This includes acts of indecent exposure or lewd conduct.

3.2.12 Controlled Substances. A student shall not possess, use, manufacture, produce, or distribute, or aid in the use, manufacture, production, or distribution of, any controlled substance except as expressly permitted by law and university policy. Violation of the Residence Life Alcohol and Controlled Substances Policy is a violation of this section. Controlled substances are defined in the Controlled Substances Act of 1971, as amended.

The use or abuse of prescription drugs or over-the-counter substances, such as inhalants or herbals, in any way other than the intended or appropriate use, may be interpreted as a violation under this policy.

3.2.13 Violation of Alcohol Policy. A student shall not possess, consume or furnish, or aid in the consumption or furnishing of, alcoholic beverages except as permitted by law and university policy. Violation of the Residence Life Alcohol & Controlled Substances Policy is a violation of this section.

3.2.14 Firearms/Explosives/Weapons. A student shall not possess or use firearms; explosives (including, but not limited to, fireworks and black powder); dangerous chemicals; weapons; knives with a blade longer than three inches, hunting knives, fixed blade knives, switchblade knives, throwing knives, daggers, razors, other cutting instruments the blade of which is exposed; or items that forcibly eject projectiles (including BB, CO₂-powered, pellet and air soft guns); and any other device that may be injurious to others, except as part of an approved university activity and under the supervision of a university official. Firearms (including BB, CO₂-powered, pellet and air soft guns) may not be stored in university residences. Any replica of any of the foregoing weapons is also prohibited. Firearms used for hunting must be properly registered with the CMU Police Department and stored in compliance with university regulations.

The State of Michigan has enacted a concealed carry law that prohibits carrying a concealed pistol into a dormitory (residence hall) or classroom of a university.

3.2.15 Complying with University Agents. A student shall comply with the directions of university agents acting in the performance of their regular or delegated duties and must identify him self or her self to these agents upon request.

3.2.16 Payment of Fines/Restitution. A student shall pay fines or restitution levied by a proper hearing body or university authority by the deadline established.

3.2.17 Misuse of Buildings/Facilities/Services. A student must observe rules and regulations concerning the use of campus buildings and other university owned or operated facilities, vehicles, equipment and services.

3.2.18 Computer Abuse. A student shall not abuse university computer time or equipment, including but not limited to: CMU-hosted Blackboard, online chat rooms, Skype meetings and other social media technologies, when such resources are accessed or utilized using CMU's computers, networks, servers, or other CMU-provided technologies. Abuse includes but is not limited to: unauthorized entry or transfer of a file, unauthorized downloading or uploading of copyrighted information, unauthorized use of another individual's identification and password; use of computing facilities to interfere with the work of a student, faculty members or university officials; or use of computing facilities to interfere with normal operation of the university; or improper use of the learning management system (LMS) and digital environments. A student shall adhere to the rules and practices promulgated by the university Office of Information Technology (www.oit.cmich.edu) and the policies contained therein, including but not limited to the Copyright Infringement Responsible Use of Computing and Data Stewardship Policies.

3.2.19 Bullying/Hazing/Harassment. A student shall not bully, haze or harass any person or group of persons. Telephone harassment, texting, email, computer or online social media harassment, are included under this policy, as are all other forms of bullying and harassment.

3.2.20 Civil Disorder. A student shall not participate in a riot or civil disorder, which is defined as five or more persons, acting in concert, who intentionally or recklessly cause or create a serious risk of causing public terror or alarm.

3.2.21 Aiding Civil Disorder. A student shall not, intending to cause or aid or abet the institution or maintenance of a riot or civil disorder, act or engage in conduct which urges other persons to commit acts of unlawful force or violence or the unlawful burning or destroying of property or the unlawful interference with a police officer, peace officer, firefighter or member of the Michigan National Guard or any unit of the armed services officially assigned to civil disorder duty in the lawful performance of their duty.

3.2.22 Participation in Riot. A student shall not assemble or act in concert with four or more persons for the purpose of engaging in conduct which creates a serious risk of a riot or civil disorder or be present at an assembly that either has or develops such a purpose and remain there after an order has been given to disperse.

3.2.23 Violation of Injunction. A student shall not violate the terms of any injunction regulating conduct in Isabella County or the terms of the Mt. Pleasant Nuisance Party Ordinance during and as part of a riot or civil disorder.

3.2.24 Discrimination. Violation of the CMU Nondiscrimination Policy or the Equal Opportunity and Affirmative Action protocol shall be treated as an offense under these regulations.

3.2.25 Violations by Registered Student Organizations. Violation by Registered Student Organizations of these regulations, and other rules pertaining to Registered Student Organizations as outlined in the Registered Student Organization Manual shall be treated as an offense under these regulations.

3.2.26 Violation of Residence Hall Rules. Violation of "Residence Hall Rules" shall be treated as an offense under these regulations.

3.2.27 Collusion. A student who shall with any one or more persons enter into a combination or agreement, expressed or implied, to commit a violation of any of these regulations, is in violation of the regulation. Students are responsible for the actions of their guests while present on CMU property or at university sponsored activities.

3.2.28 Aiding/Abetting. A student implicated in the violation of any regulation in this document, whether the student directly commits the act constituting the violation or procedures in connection with it, or aids or abets in its commission, may be treated under the regulations as if the student had directly committed such violation.

3.2.29 Violation of Federal/State/Local Law. Violation of federal, state or local law in a manner that affects the university shall be treated as an offense under these regulations.

3.2.30 Retaliation. A student, group of students, or registered student organization shall not retaliate against any student who files a complaint or grievance; requests an administrative hearing; participates in an investigation; appears as a witness in an administrative hearing; or opposes an unlawful act, discriminatory practice, or policy.

3.2.31 Violation of University Regulations. Violation of other university regulations, policies or established procedures shall be treated as an offense under these regulations.

3.2.32 Unauthorized Fires. No student shall start or allow to be started a fire with the intent to destroy property including their own and/or rubbish.

3.2.33 Arson. A person who uses, arranges, places, devises, or distributes an inflammable, combustible, or explosive material, liquid, or substance or any device in or near a building, structure, other real property, or personal property with the intent to commit arson or who aids, counsels, induces, persuades, or procures another to do so is in violation of arson.

4. Official University Sanctions

4.1 Sanctions. Sanctions that may be imposed for violation of university regulations include the following:

4.1.1 Reprimand: A written reprimand, including the possibility of more severe disciplinary sanctions in the event of the finding of a subsequent violation of university regulations within a stated period of time.

4.1.2 Restitution: Reimbursement for defacement, damage to, or misappropriation of property. The person or body imposing this sanction may impose another allowed sanction as an alternative if restitution is not made within the time specified.

4.1.3 Fines: Fines may be levied. In no circumstance shall the fine levied exceed \$1,000. Failure to pay a fine in the time limit prescribed shall result in further disciplinary action.

4.1.4 Removal from University Housing: Cancellation of contract and requirement to vacate university housing within a specified period of time. If housing is not vacated within the prescribed time, additional sanctions shall be imposed.

4.1.5 Campus Restrictions: Limitations on the times and/or places where a student may be present on campus. If said restrictions are not observed, additional sanctions shall be imposed.

4.1.6 Educational Programs: Participation in educational programs, i.e., workshops, seminars, or other educational activities may be required. The person or body imposing this sanction shall impose another sanction as an alternative if the specified program is not completed within the time stipulated and may impose additional sanctions.

4.1.7 Revocation of the Privilege of being a Registered Student Organization

4.1.8 Disciplinary Probation: Subjection to a period of critical examination and evaluation of behavior. In addition to any of the sanctions set forth above, the student or organization may be placed on probation for a stated period. Placement on probation may include additional restrictions or requirements, including but not limited to the following:

- a) Withdrawal of the privilege of campus registration of a motor vehicle,
- b) Withdrawal of the privilege of membership in a campus organization,
- c) Withdrawal of the privilege of holding office in a campus organization,
- d) Withdrawal of the privilege of representing the university in any inter-university event,
- e) Requirement to complete a specified number of credit hours with a specific grade point average during the current or subsequent academic session,
- f) Requirement to complete coursework related to the violation,
- g) Withdrawal of the privilege of using computing resources,
- h) Completion of work or other service to be provided to the university or other organization within a specified time. The person or body imposing this sanction may impose another allowed sanction as an alternative if the specified service is not completed within the time stipulated, and may impose additional sanctions.

A condition of probation may be that automatic suspension or dismissal of a student or organization shall occur upon a determination (under the procedures set forth in Article 5 herein) that a violation of a condition of probation or any other violation has occurred.

4.1.9 Suspension/Dismissal from an Academic Program: Exclusion from an academic program as set forth for a definite or indefinite period of time.

4.1.10 Suspension: Exclusion from classes and other privileges or activities as set forth for a definite period of time. Suspension may include exclusion from the campus and property belonging to the university for a stated period of time and may require an independent evaluation supporting the student or organization's return, with which CMU concurs.

4.1.11 Dismissal: Permanent termination of student status.

4.2 Additional Sanctions

Sanctions in addition to those listed in Article 4.1 may be established by the university.

4.3 Temporary Suspension

The university reserves the right to suspend a student, summarily and without notice, if in the judgment of the President of the university or the President's representative a student's presence would constitute a continuing danger to the student, other persons or property, or that the operation of the university would be seriously impaired. In the case of temporary suspension, the student will be given written notice of the charges against the student following the conclusion of any related investigations and a hearing before a Hearing Officer will be held as soon as possible considering the complexities of the matter and the status of any related criminal proceedings.

4.4 Automatic Sanctions for Grave Offenses

Certain grave offenses require that the sanctions be stipulated in advance and imposed automatically. The following shall be breaches of the student conduct regulations for which the minimum sanction of suspension is mandatory:

4.4.1 Bomb threat or knowingly false bomb warning.

4.4.2 Willful destruction of property worth more than \$1,000.

4.4.3 Willful disruption of scheduled university activities.

4.4.4 Violence against persons that results in bodily injury requiring substantial medical treatment or death.

4.4.5 Administering or causing to be administered to any person unknowingly or against the person's will any "Controlled Substance" as defined in the Controlled Substances Act of 1971, as amended.

4.4.6 Sale or distribution of, or aiding or assisting in the sale or distribution of, any "Controlled Substance" as defined in the Controlled Substances Act of 1971, as amended.

4.4.7 Possession of a firearm or any other dangerous weapon as described in Section 3.2.14.

4.4.8 Participation in a riot or civil disorder as described in Section 3.2.20 or 3.2.22.

4.4.9 Urging other persons to commit unlawful acts during a riot or civil disorder, as described in 3.2.21.

4.4.10 Being present at a riot or civil disorder after an order has been given to disperse.

4.4.11 Violations of Sections 3.2.7 (Threat/Endangerment/Assault), or 3.2.9 (Property Damage) during a riot or civil disorder.

4.4.12 Violation of the terms of any injunction regulating conduct in Isabella County or the terms of the Mt. Pleasant Nuisance Party Ordinance during and as a part of a riot or civil disorder.

4.4.13 Violation of section 3.2.33 (Arson).

5. Student Hearing Procedures for Charged Violation of Student Conduct Regulations

5.1 Intake Conduct Proceedings Officer

5.1.1 A charge may be made to the Conduct Proceedings Officer by any member of the university community or may be brought by the Conduct Proceedings Officer on one's own initiative stating that a student has violated the Specific Regulations Concerning Student Conduct (3.2). Students subject to the provisions of this Code are defined as all persons who have enrolled at the university, either full-time or part-time, pursuing undergraduate, graduate, or non-degree studies. Persons who have been enrolled at the university, and who have not withdrawn (or been academically dismissed), are students even when they are not enrolled for a particular term. Students also include persons who have been admitted to the university and who, before their first attendance, participate in activities intended only for prospective students (e.g., orientation, leadership, band, or other camp, athletic training and practices).

5.1.2 One or more Conduct Proceedings Officers shall be appointed by the President or the President's designated representative. The Conduct Proceedings Officer will make, or cause to be made, an investigation of the charge.

5.1.3 If, from the investigation, the Conduct Proceedings Officer determines the matter may be reason for discipline under the student conduct regulations, the Conduct Proceedings Officer will notify the student that a charge has been made and will offer the student an opportunity to discuss the matter.

If notified by either United States mail or by university email, the notice will be mailed to the last address for the student on file with the university Office of the Registrar. The notice will be deemed received two (2) business days following the date the notice is posted at facilities of the United States Post Office (for U.S. Postal mail) or immediately upon delivery for electronic mail. In the absence of mailing, personal delivery to the student cited, or delivery to the last address on file in the Office of the Registrar constitutes proper notice. If personal delivery to the student or delivery to the last address is used, the date notice is so delivered shall be deemed the date the notice is received.

The student will have two (2) business days from the date of receipt (through any of the mediums listed above) in which to respond to the notice. If the student has not responded at the end of this two-day period, the Conduct Proceedings Officer will set up a hearing.

5.1.4 The student may bring an advisor of the student's choice to the discussion with the Conduct Proceedings Officer. If the student's advisor is an attorney, the student must notify the Conduct Proceedings Officer of this at least three (3) business days in advance of the discussion. The advisor's role is limited to providing advice to the student. The advisor is not permitted to ask or answer questions or make oral arguments. Any case presented must be made by the student.

5.1.5 If the student chooses to discuss the matter, the Conduct Proceedings Officer will at the discussion inform the student of the charge(s) and the regulation(s) which are alleged to have been violated and will explain to the student the process outlined in this document.

5.1.6 Student Admits Violation

5.1.6.1 If the student admits to the violation, the Conduct Proceedings Officer may:

- a) Issue a sanction
- b) Order that the sanction be set by a university Hearing Officer, or
- c) Enter into a written, mutually acceptable, behavioral contract with the Student and/or
- d) Refer the student for counseling.

5.1.6.2 The student charged or the person or group who first brought the charge, or the university, may appeal the sanction (except the terms of a behavioral contract), by a letter delivered to the Office of the Conduct Proceedings Officer or university Hearing Officer within five (5) business days after the Conduct Proceedings Officer has set the sanction. Since admission of the violation by the student is a prerequisite to the Conduct Proceedings Officer acting under this section, such an appeal will only be as to the appropriateness of the sanction and not the fact of whether the violation occurred.

Once a student admits a violation for which there is an automatic sanction, the sanction is automatically imposed and only the terms of a suspension may be appealed. The appeal is to the Appeals Board.

5.1.7 Student Does Not Admit Violation

After discussion with the student, the Conduct Proceedings Officer may determine that the matter requires no further action. The Conduct Proceedings Officer will refer the matter for hearing if:

5.1.7.1 The student denies the charge and the Conduct Proceedings Officer determines the matter may be reason for discipline.

5.1.7.2 The student chooses not to discuss the matter at the discussion offered by the Conduct Proceedings Officer. The student will be notified of the date and time of the hearing.

5.1.8 Alternative Resolution

5.1.8.1 Mutual Settlement. In lieu of referral to a hearing or prior to a student's admission of a violation of the Code, the Conduct Proceedings Officer may offer or accept mutual settlements of any charged violations under this code. Settlements shall be in writing and shall state the conditions of the agreement and any sanctions imposed. Mutual settlements may not be appealed.

Cases not settled in a timely manner shall proceed to a hearing.

5.1.8.2 Counseling. In lieu of, or in addition to, a sanction or referral to a hearing the Conduct Proceedings Officer may refer the student for psychological counseling.

5.1.8.3 Behavioral Contract. In lieu of, or in addition to, a sanction or referral to a hearing, the Conduct Proceedings Officer may arrange a behavioral contract with the student. A behavioral contract is a mutually acceptable agreement between the university and a student that specifies certain behavior with which the student must comply, and specifies automatic sanctions that will be imposed if the contract is broken. If the contract is broken, as determined by a finding of fact under procedures set forth in Article 5 herein, the student may be suspended from the university as determined by the Conduct Proceedings Officer. In cases where suspension is automatic under the terms of a behavioral contract, a hearing to determine if the contract has been broken will be on fact only.

5.1.8.4 Referral to Behavioral Evaluation Team. In lieu of referral to a hearing, the Conduct Proceedings Officer and the student may agree to a referral to a process provided by the Care Team, Care Team Coordinator, or Behavioral Evaluation Team. This option is available in situations where the alleged conduct of the student appears to be related to a mental health concern(s) or emotional issues(s).

5.2 Hearings

There are two hearing forums: The university Hearing Officer and the university Hearing Body. The Conduct Proceedings Officer will assign a case to one of these forums, except that in cases where there is potential for a sanction of suspension or dismissal, the student may choose which hearing forum will hear the case. The student will have two (2) business days from the date of the meeting with the Conduct Proceedings Officer to make a final choice in writing to the Conduct Proceedings Officer. If no such timely choice is made, the Conduct Proceedings Officer will designate whether the case will be heard by a Hearing Officer or Hearing Body. The student will be notified of the time and date of the hearing.

5.2.1 University Hearing Officer

5.2.1.1 One or more university Hearing Officers will be appointed by the President or the President's designee and must participate in the appropriate training sessions regarding the Code of Student Rights, Responsibilities and Disciplinary Proceedings.

5.2.1.2 The university Hearing Officer will be assigned by the Associate Vice President for Student Affairs, or the Director of the Office of Student Conduct, as the designee of the Associate Vice President for Student Affairs, to hear the case.

5.2.1.3 The university Hearing Officer, based on the information presented at the hearing, determines whether the student charged violated the student conduct regulations, and sets the sanction, when applicable. Failure to complete the terms of the sanction may result in suspension from the university as determined by the Conduct Proceedings Officer. Certain violations have automatic sanctions imposed according to Section 4.4. In such cases, the university Hearing Officer will decide if a violation has occurred and, if so, the terms of a mandatory sanction.

5.2.2 University Hearing Body

5.2.2.1 The university Hearing Body consists of one university Hearing Officer and two students.

5.2.2.2 The students will be selected from a pool of students who are approved by the Vice President for Enrollment and Student Services or his/her designee in consultation with the Student Government Association and must participate in the appropriate training sessions regarding the Code of Student Rights, Responsibilities and Disciplinary Proceedings.

5.2.2.3 The university Hearing Body, based upon the information presented at the hearing, determines whether the student charged violated student conduct regulations, and sets the sanction, when applicable. Failure to complete the terms of the sanction may result in suspension from the university as determined by the Conduct Proceedings Officer. Certain violations have automatic sanctions imposed according to Section 4.4. In such cases, the university Hearing Body will decide if a violation has occurred and, if so, the terms of a mandatory sanction.

5.2.3 Hearing Procedures

5.2.3.1 In all disciplinary hearings, the burden of proof rests with the Conduct Proceedings Officer, who must prove by a preponderance of evidence that a violation has occurred.

5.2.3.2 The student charged may have an advisor of the student's choice present at the hearing. If the student's advisor is an attorney, the student must notify the Conduct Proceedings Officer of this at least three (3) business days in advance of the hearing. The advisor's role is limited to providing advice to the student. The advisor is not permitted to ask or answer questions or make oral arguments. Any case presented must be made by the student.

5.2.3.3 A record of the hearing, made by an audio recording device, will be kept by the Conduct Proceedings Officer at least until the appeal time is exhausted. The Conduct Proceedings Officer, on behalf of the university, will maintain all copies of these recordings.

5.2.3.4 A university Hearing Officer presides at all hearings.

5.2.3.5 Hearing notifications and procedures will be communicated to the charged student at least twenty-four (24) hours before the hearing.

5.2.3.6 The Hearing Officer or Hearing Body will issue a written decision within ten (10) business days to the Conduct Proceedings Officer stating if a violation has been found, what facts support this finding, and the sanction(s) to be imposed.

5.2.3.7 A decision letter will be emailed to the student within three (3) business days from the date the decision is received by the Conduct Proceedings Officer.

5.2.3.8 The student charged has the right to cross-examine the complainant and any witnesses in the case against him or her. The Hearing Officer, however, has the right to determine the method the cross-examination will take (direct confrontation, submission of written questions, or any other method that, in the Hearing Officer's opinion, will elicit the desired testimony).

5.3 Complainant's Rights

Central Michigan University recognizes that complainants have rights that need to be protected as well as those of the person who is cited.

5.3.1 The complainant has the right to have a person of his or her choice accompany him or her throughout the disciplinary hearing.

5.3.2 The complainant has the right to remain present during any disciplinary or appeal hearings.

5.3.3 The complainant has the right to submit an "impact statement" and to suggest an appropriate sanction if the person cited is found in violation of the Code of Student Rights, Responsibilities and Disciplinary Procedures.

5.3.4 The complainant has the right to be informed in a timely manner of the outcome of the hearing regarding the findings and the sanction.

5.3.5 The complainant has the right to appeal either the findings or the sanction.

5.3.6 The complainant has the right to cross-examine the student charged and any "defense" witnesses in the case. The Hearing Officer, however, has the right to determine the method the cross-examination will take (direct confrontation, submission of written questions, or any other method that, in the Hearing Officer's opinion, will elicit the desired testimony).

5.4 Appeals

5.4.1 The following matters may be appealed to the Appeals Board:

5.4.1.1 The decision of a university Hearing Body or a university Hearing Officer as provided in Section 5.2. The appeal may be as to the facts found or the sanction set or both. If the sanction is automatic, then the appeal may only be made as to the findings, or the terms of a suspension. The appeals board may not reduce the sanction below the minimum imposed by Section 4.4 or by the terms of behavioral contracts or other disciplinary actions in which automatic sanctions are specified.

5.4.1.2 The sanction set by the Conduct Proceedings Officer after admission of violation by the student. Imposition of any automatic sanction after such an admission may not be appealed; however, the terms or conditions of the sanction may be appealed. See Section 5.1.6.2 for more information regarding this type of appeal.

5.4.2 The Appeals Board consists of the Student Government Association President or designee, the Chairperson of the Academic Senate or designee, and the Associate Vice President for Student Affairs or designee and must participate in the appropriate training sessions regarding the Code of Student Rights, Responsibilities and Disciplinary Proceedings.

5.4.3 An appeal to the Appeals Board may be made by the student involved, by the person or group who first brought the charge, or by the university.

5.4.4 An appeal is timely only if taken within five (5) business days of the decision appealed. An appeal not made within the time limit will not be heard unless the President or the President's designee makes an exception.

5.4.5 An appeal is made by submitting a written statement of appeal to the Conduct Proceedings Officer within the time limit. The written statement of appeal must state: the name of the person appealing, the basis of the appeal, the person or group making the decision from which the appeal is made, whether a decision as to fact or sanction or both is appealed, and the remedy that the person appealing is requesting from the Appeals Board.

5.4.6 The student charged may have an advisor of the student's choice present at the hearing of the appeal. If the student's advisor is an attorney, the student must notify the Proceedings Officer of this at least three (3) business days in advance of the hearing. The advisor's role is limited to providing advice to the student. The advisor is not permitted to ask or answer questions or make oral arguments. Any case presented must be made by the student.

5.4.7 The Conduct Proceedings Officer is responsible for notifying members of the Appeals Board of the appeal and for setting a time and place for holding a meeting of the Appeals Board. The Conduct Proceedings Officer will provide notice of time and place of the meeting of the Appeals Board to the student(s) charged, the charging party, and other university persons deemed appropriate by the Conduct Proceedings Officer.

5.4.8 The Conduct Proceedings Officer will assemble the documentary evidence introduced at the hearing, the record made of the hearing, and the administrative contact history made in connection with the matter and will make these materials available to the Appeals Board.

5.4.9 The Appeals Board may establish its own procedure for conducting any appeal appropriate to the circumstances designed to achieve fairness to the student charged as well as the interests protected by the Central Michigan University Code of Student Rights, Responsibilities and Disciplinary Procedures.

5.4.10 The Appeals Board makes its determination based solely on the record of the student's hearing, facts that are presented to the Appeals Board, and arguments before the Appeals Board. No additional witnesses, witness statements, or other materials may be introduced during the Appeal.

5.4.11 The purpose of the Appeals Board is to decide if the findings and/or the sanction of the Hearing Body were so incorrect that the decision should be changed. It is not the purpose of the Appeals Board to substitute its judgment for that of the Hearing Officer or Body. It is not the purpose of the Appeals Board to decide if it would have reached the same decision had it been the Hearing Officer or Body. It is not the function of the Appeals Board to reheat the charges against the student; it is an appeal of the findings and/or the sanction of the Conduct Proceedings Officer, Hearing Officer or Body only as requested by the person or persons making the appeal. The Appeals Board may:

- a) Find that there are not sufficient facts presented to warrant the findings of fact made at the original hearing and may set aside the finding or determine the facts differently.
- b) Order that a new hearing be held.
- c) Change the sanction.
- d) Provide such further and additional relief or changes as dictated by fairness to the student and to the interests protected by the Central Michigan University Code of Student Rights, Responsibilities and Disciplinary Procedures.

5.4.12 The Appeals Board must hear the appeal within fifteen (15) business days from the date the appeal is made in writing and delivered to the Conduct Proceedings Officer.

5.4.13 A decision of the Appeals Board is final except that a decision to suspend for more than one week or to dismiss a student is subject to discretionary review by the Vice President for Enrollment and Student Services or the President (see 5.4.14). Any student responding to a charge under these procedures, any person bringing charges under these procedures, or the Administration, may make a written application to the Vice President for Enrollment and Student Services to review such a decision made by the Appeals Board. The application must be received in the Office of the Vice President for Enrollment and Student Services within five (5) business days after the date of the Appeals Board decision. Failure to make application for review within the time limit ends the right to make application for review unless the time limit is extended by the Vice President for Enrollment and Student Services. The application for review must contain the following information:

- a) Name of the student(s) charged in the proceeding in which the Appeals Board has rendered a decision.
- b) Name, address, and telephone number of the person making application for review.
- c) A copy of the Appeals Board decision involved.
- d) A statement as to what portion(s) of the Appeals Board decision the applicant wishes reviewed, and the reason(s) why the person making application for review considers the decision to be capricious, or the procedures followed to be fundamentally unfair.
- e) A statement of the relief requested from the Vice President for Enrollment and Student Services by the person making application for review.

If the Vice President for Enrollment and Student Services elects to review a decision of the Appeals Board, either in part or entirely, the Vice President for Enrollment and Student Services may establish whatever procedures are deemed appropriate and consistent with fairness to govern the review.

5.4.14 The university reserves the right for the President or the President's designee to impose a different sanction after a determination of violation, than the sanction imposed by the Conduct Proceedings Officer, Hearing Officer, Hearing Body, Appeals Board, or others under these procedures.

5.5 Charges Involving Student Organizations

All notices referred to in this document, when involving a Registered Student Organization, shall be sent to the president of the organization, at the president of the organization's last address on file with the Office of the Registrar, unless another representative of the organization is designated by the organization to receive such notices. When a Registered Student Organization is charged with a violation, the president of the organization shall represent the organization in the process described in Section 5, unless the Registered Student Organization designates some other representative. The representative of the student organization must be a registered student at Central Michigan, and must be a regular member of that organization.

5.6 Changes in Procedures

5.6.1 The procedures set forth herein shall apply throughout the calendar year. A university Hearing Officer may be appointed by the Conduct Proceedings Officer to hear a case at times when a university Hearing Body cannot be readily assembled such as when students are not in attendance at regular sessions, during exam week, summer sessions.

5.6.2 These procedures are subject to change by the President of the university or designee. If any change is deemed necessary, any new procedures shall guarantee a fair hearing with due process.

5.7 Clarifying Processes

Clarifying processes that are consistent with the Hearing Procedures in this document may be proposed by the Office of Student Conduct.

Policy on Academic Integrity

This Policy applies to any and all student experiences in which academic credit is involved (e.g., courses, internships, practica, theses).

1. Academic Integrity

Because academic integrity is a cornerstone of the University's commitment to the principles of free inquiry, students are responsible for learning and upholding professional standards of research, writing, assessment, and ethics in their areas of study. In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. Written or other work which students submit must be the product of their own efforts and must be consistent with appropriate standards of professional ethics. Academic dishonesty, which includes cheating, plagiarism and other forms of dishonest or unethical behavior, is prohibited.

A breakdown of behaviors that constitute academic dishonesty is presented below. The definitions and clarifications are meant to provide additional information and examples of these behaviors. They are not intended to be all-inclusive. Questions regarding this policy or requests for additional clarification can be directed to the Office of Student Conduct.

2. Academic dishonesty includes:

A. Cheating on Examinations Definition

Cheating is using or attempting to use materials, information, notes, study aids, or other assistance in any type of examination or evaluation which have not been authorized by the instructor.

Clarification

1. Students completing any type of examination or evaluation are prohibited from looking at another student's materials and from using external aids of any sort (e.g., books, notes, calculators, and conversation with others) unless the instructor has indicated specifically in advance that this will be allowed.
2. Students may not take examinations or evaluations in the place of other persons. Students may not allow other persons to take examinations or evaluations in their places.
3. Students may not acquire unauthorized information about an examination or evaluation and may not use any such information improperly acquired by others.

B. Plagiarism Definition

Plagiarism is intentionally or carelessly presenting the work of another as one's own. It includes submitting an assignment purporting to be the student's original work which has wholly or in part been created by another person. It also includes the presentation of the work, ideas, representations, or words of another person without customary and proper acknowledgement of sources. Students must consult with their instructors for clarification in any situation in which the need for documentation is an issue, and will have plagiarized in any situation in which their work is not properly documented.

Clarification

1. Every direct quotation must be identified by quotation marks or appropriate indentation and must be properly acknowledged by parenthetical citation in the text or in a footnote or endnote.

2. When material from another source is paraphrased or summarized in whole or in part in one's own words, that source must be acknowledged in a footnote or endnote, or by parenthetical citation in the text.
3. Information gained in reading or research that is not common professional knowledge must be acknowledged in a parenthetical citation in the text or in a footnote or endnote.
4. This prohibition includes, but is not limited to, the use of papers, reports, projects, and other such materials prepared by someone else.

C. Fabrication, Forgery and Obstruction Definition

Fabrication is the use of invented, counterfeited, altered or forged information in assignments of any type including those activities done in conjunction with academic courses that require students to be involved in out of classroom experiences. Forgery is the imitating or counterfeiting of images, documents, signatures, and the like.

Obstruction is any behavior that limits the academic opportunities of other students by improperly impeding their work or their access to educational resources.

Clarification

1. Fabricated or forged information may not be used in any laboratory experiment, report of research, or academic exercise. Invention for artistic purposes is legitimate under circumstances explicitly authorized by an instructor.
2. Students may not furnish to instructors fabricated or forged explanations of absences or of other aspects of their performance and behavior.
3. Students may not furnish, or attempt to furnish, fabricated, forged or misleading information to university officials on university records, or on records of agencies in which students are fulfilling academic assignments.
4. Students may not steal, change, or destroy another student's work. Students may not impede the work of others by the theft, defacement, or mutilation of resources so as to deprive others of their use.

D. Multiple Submission Definition

Multiple submissions are the submission of the same or substantially the same work for credit in two or more courses. Multiple submissions shall include the use of any prior academic effort previously submitted for academic credit at this or a different institution.

Multiple submissions shall not include those situations where the prior written approval by the instructor in the current course is given to the student to use a prior academic work or endeavor.

Clarification

1. Students may not normally submit any academic assignment, work, or endeavor in more than one course for academic credit of any sort. This will apply to submissions of the same or substantially the same work in the same semester or in different semesters.

2. Students may not normally submit the same or substantially the same work in two different classes for academic credit even if the work is being graded on different bases in the separate courses (e.g., graded for research effort and content versus grammar and spelling).
3. Students may resubmit a prior academic endeavor if there is substantial new work, research, or other appropriate additional effort. The student shall disclose the use of the prior work to the instructor and receive the instructor's permission to use it PRIOR to the submission of the current endeavor.
4. Students may submit the same or substantially the same work in two or more courses with the prior written permission of all faculty involved. Instructors will specify the expected academic effort applicable to their courses and the overall endeavor shall reflect the same or additional academic effort as if separate assignments were submitted in each course. Failure by the student to obtain the written permission of each instructor shall be considered a multiple submission.

E. Complicity Definition

Complicity is assisting or attempting to assist another person in any act of academic dishonesty.

Clarification

1. Students may not allow other students to copy from their papers during any type of examination.
2. Students may not assist other students in acts of academic dishonesty by providing material of any kind that one may have reason to believe will be misrepresented to an instructor or other university official.
3. Students may not provide substantive information about test questions or the material to be tested before a scheduled examination unless they have been specifically authorized to do so by the course instructor. This does not apply to examinations that have been administered and returned to students in previous semesters.

F. Misconduct in Research and Creative Endeavors Definition

Misconduct in research is serious deviation from the accepted professional practices within a discipline or from the policies of the university in carrying out, reporting, or exhibiting the results of research or in publishing, exhibiting, or performing creative endeavors. It includes the fabrication or falsification of data, plagiarism, and scientific or creative misrepresentation. It does not include honest error or honest disagreement about the interpretation of data.

Clarification

1. Students may not invent or counterfeit information.
2. Students may not report results dishonestly, whether by altering data, by improperly revising data, by selective reporting or analysis of data, or by being grossly negligent in the collecting or analysis of data.
3. Students may not represent another person's ideas, writing or data as their own.
4. Students may not appropriate or release the ideas or data of others when such data have been shared in the expectation of confidentiality.
5. Students may not publish, exhibit, or perform work in circumstances that will mislead others. They may not misrepresent the nature of the material or its originality, and they may not add or delete the names of authors without permission.
6. Students must adhere to all federal, state, municipal, and university regulations for the protection of human and other animal subjects.
7. Students may not conceal or otherwise fail to report any misconduct involving research, professional conduct, or artistic performance of which they have knowledge.

8. Students must abide by the university's Policy on Research Integrity where applicable, which can be found under Policies at the following web address: www.orsp.cmich.edu. Applicability of this policy for students is found under I. GENERAL PROVISIONS, A. Applicability, number 3.

G. Computer Misuse Definition

Misuse of computers is disruptive, unethical, or illegal use of the university's computer resources, including any actions which violate the university's Rules for Computing and Networking Resources. Misuse of computers also includes disruptive, unethical, or illegal use of the computers of another institution or agency in which students are performing part of their academic program.

Clarification

1. Students may not use the university computer system in support of any act of plagiarism.
2. Students may not monitor or tamper with another person's electronic communications.
3. Students may not use university computer resources to engage in illegal activity, including but not limited to the following: illegally accessing other computer systems, exchanging stolen information, and violating copyright agreements which involve software or any other protected material.

H. Misuse of Intellectual Property Definition

Misuse of intellectual property is the illegal use of copyright materials, trademarks, trade secrets or intellectual properties.

Clarification

Students may not violate the university policy concerning the fair use of copies. Information can be found at the following web address: https://www.cmich.edu/office_president/general_counsel/Documents/p05003.pdf.

3. Ethical and Professional Behavior

Students are expected to adhere to the ethical and professional standards associated with their programs and academic courses. Such standards are generally communicated to students by instructors and are available through publications produced by professional organizations. Unethical or unprofessional behavior will be treated in the same manner as academic dishonesty.

4. Discretion of Instructors

Since the circumstances in which allegations of academic misconduct arise are many and varied, no single process will be appropriate to every situation. The procedures offered below are meant to cover the majority of situations. However, reasonable deviations from these procedures may be appropriate, so long as they are consistent with the following guiding principles:

- Students must be informed about the nature of and basis for any allegations of academic misconduct and the consequences that may be imposed.
- Students have a right to contest any allegations of academic misconduct, and to provide their side of the story to the instructor.
- Once the instructor has considered the evidence and considered anything that the student may say on his or her own behalf, the instructor has the right to exercise her or his professional judgment in determining whether the student has engaged in academic misconduct, and to determine the consequences of such misconduct on the student's grade for the assignment and/or the course.
- A student accused of academic misconduct has a right to appeal the instructor's decision once s/he has discussed the matter with the instructor.
- All parties should act in a reasonably prompt manner, given the circumstances.

(continued)

Nothing in this policy shall prohibit an instructor from informally discussing a student's work with the student to determine whether academic misconduct has occurred, or to educate the student about standards of academic integrity, without or prior to accusing the student of engaging in academic misconduct. It is recognized that some cases of academic misconduct may be borderline, accidental, or minor. Instructors are free to address such cases as occasions for further education rather than allegations of misconduct. For example, it would be consistent with this policy for an instructor to forgo the procedures outlined below and simply educate a student who has engaged in what appears to the instructor to be minor, borderline, or accidental academic misconduct, and to allow the student to redo the work (for full or partial credit) so as to avoid any question of academic integrity.

5. Academic Consequences of Violations of the Policy on Academic Integrity

A student is not permitted to withdraw from a course in which an instructor has imposed academic consequences (such as a reduction in grade) for academic misconduct. The instructor shall exercise his or her professional judgment in determining the appropriate academic consequences of the violation. Academic consequences may include a warning or reprimand, a requirement to resubmit work (with or without an additional reduction in grade for the assignment), a lowering of the grade for the assignment (including withholding of any credit for the assignment), or a lowering of the grade for the entire course (including failing the course).

In addition, instructors are encouraged to report serious incidents of academic misconduct to the Office of Student Conduct for formal proceedings seeking disciplinary sanctions under the Code of Student Rights, Responsibilities and Disciplinary Procedures.

6. Procedures for Handling Alleged Violations of this Policy

A. Initial Notification

If an instructor believes that a student has committed a violation of the Policy on Academic Integrity, the instructor will attempt to contact the student within a reasonable period of time (normally ten (10) university business days) to notify the student of the suspected violation of the Policy on Academic Integrity. This contact may be in written form (including e-mail), by phone, or in person. In any case, the instructor should convey to the student the following information:

- A description of the nature of the alleged violation (e.g., plagiarism on a term paper; looking at another student's work on an exam, etc.);
- The basis for believing that the student has violated the Policy (e.g., a Turnitin originality report, a description of a report made by someone who observed the academic misconduct, etc.);
- The academic consequences that the instructor may impose if s/he concludes that there is sufficient evidence that academic misconduct has occurred;
- An offer to discuss the matter further and to respond to the allegations. Depending on the circumstances, this further discussion may occur at a separate time, or it may be continuous with the initial notification. The discussion may take place in person, via email, or by phone. If the student declines to discuss the matter with the instructor, then s/he forfeits the right to appeal the instructor's decision.

The instructor is encouraged to keep a record of this contact.

B. Discussion between Instructor and Student

The instructor will offer the student an opportunity to discuss the allegation of academic misconduct, and to present any evidence or other information on his or her behalf. This discussion may be continuous with the initial contact, or it may occur at a later time. It may take place by phone, email, or in person. The instructor will determine the most appropriate format for

this discussion, taking into account the details of the situation and the student's availability and preferences about how the discussion is to be conducted.

If this discussion occurs during a face-to-face meeting, either the instructor or the student may request that a mutually agreeable third party attend to serve as a neutral facilitator or observer. However, neither the instructor nor the student may be represented or accompanied by an attorney or any other advisor.

Regardless of the format of this discussion, the student will be provided the opportunity to respond to the allegation and to explain any suspected or alleged misconduct by presenting evidence, giving additional information relevant to the matter, explaining extenuating or mitigating circumstance, or acknowledging a violation.

C. Determination of Academic Consequences of Violation

After either (1) the instructor and student have discussed the alleged violation of the Academic Integrity Policy, or (2) the student has admitted that s/he violated the Academic Integrity Policy, or (3) the student has declined to discuss the violation, then the instructor will exercise his or her professional judgment in determining whether a violation has occurred, and, if so, what academic consequences are appropriate and what grade is appropriate for the assignment and course. Once this decision has been made, the instructor should communicate his/her decision to the student in writing. This may be done through regular mail, campus mail, email, or hand delivery to the student. The instructor should retain a copy of this communication. Instructors are encouraged to report serious violations of the Policy on Academic Integrity to the Office of Student Conduct, and to include a copy of this communication in the report.

If the student wishes to discuss the allegations but it is not possible to have this discussion before grades are due, or if the instructor is unable to contact the student before grades are due, the instructor shall determine whether to (1) forgo submitting a grade for the student or (2) submit a grade which has been lowered to reflect the consequences of academic misconduct. If the instructor decides not to submit a grade until the matter is resolved, the system will assign a grade of "N" which the instructor will remove once the discussion with the student has occurred. If the instructor submits a grade before a discussion with the student occurs, the instructor should notify the student of this decision and offer to discuss the matter. If, as a result of the discussion, the instructor determines that the evidence of the violation was faulty or insufficient to warrant a determination of academic misconduct, or if s/he determines that mitigating factors presented by the student warrant a less serious academic consequence than was reflected in the grade submitted, then s/he will file a change of grade request. In such a case, the instructor should communicate this decision to the student.

D. Appeal of an Instructor's Decision

A student may appeal the instructor's decision that a violation of the Policy has occurred, and/or the academic consequences imposed by the instructor. However, if a student has refused to discuss the matter with the instructor, s/he forfeits the right to such an appeal.

The appeal must be submitted in writing to the instructor and to the dean (or his/her designated representative, e.g., an associate dean) of the college in which the violation occurred no later than ten (10) university business days after the instructor notifies the student of her/his final decision, or ten (10) university business days after the final course grades have been posted, whichever is earlier. However, if a discussion between the student and instructor has been scheduled

to be held after grades are submitted, then the student shall have ten (10) university business days after the student has been notified of the instructor's decision. An appeal not made within the time limit will not be heard unless an exception is made by the dean of the college. The written statement of appeal must state: the name of the person appealing, the basis of the appeal, the instructor making the decision from which the appeal is made, and the remedy which the person appealing is requesting from the dean.

As soon as practical, the dean will convene a committee composed of faculty and students to hear the appeal and to make a recommendation to the dean. The dean will designate one member of the committee as the Proceedings Officer. The role of the committee is to advise the dean.

The student and the instructor are each permitted to have an advisor of his or her choice present at the hearing of the appeal. If either party's advisor is an attorney, that party must notify the Proceedings Officer of this at least three (3) business days in advance of the hearing. The advisor's role is limited to providing advice to the student or instructor. The advisor is not permitted to ask or answer questions or make oral arguments. The Proceedings Officer is responsible for notifying members of the appeals committee of the appeal and for setting a time and place for holding a meeting of the appeals committee. The Proceedings Officer will provide notice of time and place of the meeting of the appeals committee to the student, instructor, and other University persons deemed appropriate by the Proceedings Officer.

The Proceedings Officer will retain the documentary evidence introduced at the hearing, as well as the record made of the hearing; these materials will be available to the appeals committee during its deliberations, and will be forwarded to the Dean with the committee's recommendation.

The appeals committee has the discretion to establish hearing procedures which are appropriate to the circumstances, fair to all parties involved, and respectful of the values of academic integrity. Normally, the participants in the appeals hearing will appear in person; however, in unusual cases, the appeals committee may allow participation by telephone.

The purpose of the appeals committee is to determine whether the instructor abused his or her professional discretion in finding that academic misconduct occurred and/or in the choice of academic consequences for such misconduct. It is not the purpose of the appeals committee to substitute its judgment for that of the instructor. It is not the purpose of the appeals committee to decide whether it would have reached the same decision had it been the instructor. It is not the function of the appeals committee to rehear the charges against the student. The burden of proof shall be upon the student to show that there was insufficient basis for a reasonable instructor to find that academic misconduct occurred, and/or that the instructor's selection of academic consequences for the misconduct was arbitrary, capricious, or grossly unjust (e.g., a clear departure from the instructor's announced policies). The appeals committee may:

- Uphold the instructor's decision.
- Find that the facts of the situation could not provide a reasonable instructor with sufficient basis for finding that academic misconduct occurred, and recommend that the dean of the college set aside the finding or determine the facts differently.
- Find that the instructor's selection of academic consequences for the violation was arbitrary, capricious, or grossly unjust, and recommend that the dean of the college set aside the academic consequences or impose a different academic consequence.

After receiving this recommendation the dean will either sustain or deny the appeal. The dean's decision will be in writing. The dean's decision will be final.

If it is necessary, pending the resolution of an appeal, the student will be assigned a deferred grade.

E. Formal Proceedings in the Office of Student Conduct

If the instructor believes that a student has violated the Policy on Academic Integrity and that the violation is sufficiently serious, the instructor may refer the case to the Office of Student Conduct for the consideration of additional sanctions. The following procedures will be followed.

1. The instructor will inform the student that formal proceedings in the Office of Student Conduct are being requested.
2. The instructor will forward all documentation supporting the allegation of violation to the Office of Student Conduct with a cover letter describing the situation. Examples of documentation include the course syllabus, quiz or exam, assignment, source of plagiarism.
3. The "Code of Student Rights, Responsibilities and Disciplinary Procedures" will govern the sanctions which can be imposed, and the appeal process.
4. The Office of Student Conduct will determine a sanction and will notify the instructor of its determination.
5. This sanction will be recorded on the student's permanent disciplinary record, subject to release only under the terms of the Family Educational Rights and Privacy Act.

F. Proceedings With a Department or Program

1. Departmental or Program Action

- a. In cases where an instructor judges a student to have violated the Policy on Academic Integrity, that person is encouraged to report the incident to the chair of the department or unit in which the student's program is housed.
- b. Departments and programs will follow their internal procedures for deciding whether the student's status in the academic program should be reviewed because of the violation of the Policy on Academic Integrity and, if so, what review process will take place.

2. Appeal of Departmental or Program Action

A record of the department, program and/or college decision and appeal (if any) will be part of the file on the violation of Policy on Academic Integrity maintained by the Office of Student Conduct.

Passed by Academic Senate May 5, 2009

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Standards Leading to Teacher Certification

Introduction

Students seeking to enter the Teacher Education program at Central Michigan University are screened using multiple criteria related to teacher excellence and the CLEAR model for teacher education. The selection criteria assess characteristics appropriate for students pursuing a professional teaching practice that is Content–or knowledge–driven, LEArner-centered and Reflective/Relevant to the multiple roles and contexts of the professional educator. Once a student is admitted, cognitive and affective skills are both developed and monitored throughout the teacher education experience, which stresses faculty mentoring of all prospective teachers.

Excellent teachers demonstrate an interest in students, an ability to relate to and communicate with diverse students in varied ways, as well as the ability to motivate and facilitate learning. Teacher candidates at CMU must be learner-centered and able to communicate both in writing and in face-to-face interactions with spontaneity and clarity. In addition, students must demonstrate the professional dispositions appropriate to the field of teaching in order to be recommended for certification. Such dispositions include values, commitments, and professional ethics that influence behaviors toward students, families, colleagues, and all members of the learning community and affect student learning, motivation, and development as well as the educator's own professional growth and development. Only qualified candidates will be recommended for certification. It is important to note any legal charge or conviction may impede a student's ability to progress through or be admitted to the teacher education program.

The Three Cycles of Candidacy

There are three cycles for teacher education candidates to complete in order to fulfill the requirements leading to teacher certification. Students must follow the requirements located on the Teacher Education Road Map (www.ehs.cmich.edu/css) and the requirements of the Michigan Department of Education in effect at the time of admission to the teacher education program.

Cycle I: Admission Candidacy

Each student who expects to earn either an Elementary Provisional Certificate or a Secondary Provisional Certificate must submit an application for admission to the teacher education program. Application forms and related information can be found on the Center for Student Services website at www.ehs.cmich.edu/css. Admission to teacher education occurs twice a year, once in September and once in February, and is based upon the student's completion of all admission requirements.

Students must be admitted to the teacher education program before being eligible to enroll in professional education courses that indicate "admission to teacher education" as a prerequisite. Admission to the program is valid for five years from the date of admission to teacher education. Changes mandated by the Michigan Department of Education may become effective at any time in a student's education program.

Cycle II: Continuing Candidacy

This point in the teacher education program has been established as a method to verify candidates' ongoing growth and development in the teacher education program. All requirements must be fulfilled to continue in the teacher education program and be eligible to move to

their student teaching experiences. Cycle II includes, but is not limited to items such as completion of a specified pre-student teaching field experience, departmental approval of all majors and minors and successful completion of all professional education courses. For specific requirements, consult the EHS Teacher Education Road Map located at (www.ehs.cmich.edu/css).

Cycle III: Exit Candidacy

This point in the teacher education program is intended as a verification of eligibility related to graduation and certification. For specific requirements and details about Cycle III, consult the College of Education and Human Services, Center for Student Services web site at www.ehs.cmich.edu/css.

Conflict Resolution and Appeal Procedure

1. A student who has a complaint regarding teacher certification decisions should make known his or her complaint as soon as possible, but in no case later than thirty days after the end of the semester. Any exception to the time limitation shall be for unusual and most compelling reasons. At each step of the process, the student will be given the opportunity to present relevant information, and the reasons for the decision will be explained to the student.
2. A student who feels that arbitrary and/or capricious decisions have been made in evaluating admission, or continuing requirements for the teacher education program, or in the recommendation for certification, should meet with the Assistant Director of Professional Education.
3. If the student is still not satisfied, he or she may request in writing a consultation with the Director of Professional Education. In the absence of the Director of Professional Education, the student's request in writing should be sent to the Dean of the College of Education and Human Services. In such cases, the Dean shall act in place of the Director.
4. If the student is not satisfied with the decision of the Director of Professional Education, the student may submit an appeal in writing to the Professional Education Selection, Admission and Retention Committee. The Professional Education Selection, Admission and Retention Committee has the authority to overrule decisions made by the Director of Professional Education regarding admission or continuing requirements for the teacher education program or in the recommendation for certification. Appeal decisions made by the Professional Education Selection, Admission and Retention Committee are final.

Teacher Certification

Postbaccalaureate Students

A postbaccalaureate student is defined as a student with a non-teaching bachelor's degree from a four-year regionally accredited institution who is seeking teacher certification, a student with a teaching degree who is seeking teacher certification and/or endorsement in an additional area, or a student with a teaching degree who is seeking provisional or professional certification and/or endorsement in an additional area.

Provisional Teacher Certification for non-degree seeking Postbaccalaureate Students

1. Postbaccalaureate students must follow the "Standards Leading to Teacher Certification" as published in the Bulletin and meet Michigan Department of Education requirements.
2. Postbaccalaureate students must have majors and/or minors signed by a department advisor in the department offering the major or minor. The request for the signed major/minor will be initiated by the staff in the EHS Center for Student Services. Certification will be recommended for those teaching areas in which CMU presently offers a major or minor. Course substitutions may be approved only by the department advisor
3. Postbaccalaureate students must complete all Professional Education courses and other degree/certification requirements for either elementary or secondary students as published in the Bulletin.
4. The Teacher Education and Professional Development Department (TEPD) will submit a list of the names of all students applying for student teaching the following semester to each student's major and minor department for approval or denial.
5. The EHS Center for Student Services will audit the BSEd degree of all students to certify that candidates have met all the requirements before confirming them for certification.

Validity of Provisional Certificate

A current Elementary Provisional Certificate is valid for teaching all subjects in grades kindergarten through five, and major and minor fields in grades six through eight (upon completion of the required subject area tests) as specified on the certificate and kindergarten through eight in a self-contained classroom. It is valid for six years and may be renewed for three years, provided the applicant presents six semester hours of credit in a planned program when earned after the issuance of the initial certificate and within three years of the application date of the first renewal. A second three-year renewal may be granted provided the applicant presents six semester hours of credit in a planned program as approved by the university when earned after the issuance of the first provisional renewal and within three years of the second renewal date.

A current Secondary Provisional Certificate is valid in subject matter fields in grades six through twelve in which the applicant has completed a major(s) or minor(s) as specified on the certificate. It is valid for six years and may be renewed for three years provided that the applicant presents six semester hours of credit in a planned program when earned after the issuance of the initial certificate and within three years of the application date of the first renewal. A second three-year renewal may be granted provided the applicant presents six semester hours of credit in a planned program as approved by the university when earned after the issuance of the first provisional renewal and within three years of the second renewal date.

Requirements for Professional Education Certification

Professional Education Certificate: The Elementary or Secondary Professional Education Certificate may be issued to a candidate who has met the following requirements:

1. Has submitted the appropriate application to www.michigan.gov/moebs.
2. Has taught successfully for three years, according to the validity of his or her provisional certificate.
3. Has presented evidence that he or she has completed six semester hours in a planned course of study beyond the issuance date of the most recent provisional renewal and within five years of application date of the professional certificate.
4. Elementary applicants for the Professional Education Certificate must have completed six semester credit hours of reading methods, and secondary applicants must have completed three semester credit hours of reading methods; and three semester

credit hours in the diagnosis and remediation of reading disabilities and differentiated instruction which includes a field experience. Beginning July 1, 2009, all teachers progressing from a Provisional to the Professional Education Certificate must have completed 3 semester credit hours of reading diagnostic and remediation coursework in accordance with Michigan Revised School Code MCL 380.1531(4). At this time, Central Michigan University has established EDU 603 (Elementary Assessment in Reading) and EDU 606 (Secondary Assessment in Reading) to meet this requirement.

Procedures for Professional Education Certification

The Candidate Shall:

1. Submit a planned program of study beyond the bachelor's degree to www.michigan.gov/moebs.
 - A. If the candidate has been admitted to a master's degree program, he/she may submit a copy of the Authorization of Graduate Degree Program, signed by the advisor, with the application as evidence that the student is pursuing a "planned course of study beyond the bachelor's degree."
 - B. A candidate who is not pursuing a graduate degree or who has initially been granted non-degree status in graduate school, or who is pursuing undergraduate study must obtain approval for a "planned course of study" beyond the bachelor's degree from an advisor in the appropriate department by contacting the EHS Center for Student Services. The student is expected to have a signed program on file before registering for his or her first coursework at Central Michigan University.
2. Apply for a Professional Certificate at www.michigan.gov/moebs when the last of the requirements have been met.
3. Return a copy of the provisional certificate.
4. Send official transcripts directly to the Michigan Department of Education at www.michigan.gov/moebs.

Professional Education Certificate Renewal

1. Apply for a professional certificate renewal at www.michigan.gov/moebs.
2. A Professional Education Certificate is valid for 5 years and shall be renewed at the end of the 5-year period for an additional 5 years upon the applicant's completion of 6 semester hours of academic credit from an approved teacher preparation institution, or the submission of evidence of the equivalent in continuing education units completed through professional development programs or professional activities defined and approved by the State Board. Submission is made to the Michigan Department of Education.
3. For persons who do not complete the requirements of subrule (1) of this rule, the certificate expires on June 30 of the year of the certificate's expiration.
4. To reinstate an expired Professional Education Certificate, a person shall apply to www.michigan.gov/moebs for a reinstatement and shall present evidence of the completion of the 6 semester hours, or their equivalent, in approved professional development programs or approved professional activities specified in subrule (1) of this rule.
5. Credit completed out of state shall be in an approved teacher education institution and approved by the Michigan State Board of Education prior to enrolling in a course.

Certificate Fee

Public Act 339 of 1988 requires the collection of a certification fee paid when billed by the Michigan Department of Education.



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