

AAS: Manufacturing & Industrial Technology

| Core Competency Requirements (12 Credits) | | | IMT Core Requirements (67 Credits) | | | Required Degree Electives (Select 11 Credits) | | |
|--|---------------------|---------|---------------------------------------|--|---------|--|--|---------|
| Prefix | Course Title | Credits | Prefix | Course Title | Credits | Prefix | Course Title | Credits |
| MTH 105 | Applied Math | 4 | CG 100 | College Survival & Success | 3 | BA 285 | Human Relations in Org. | 3 |
| COMM 111 | Public Speaking | 4 | DRF 270 | AutoCAD | 3 | ELT 110 | Electricity for the Non-electrician | 2 |
| WR 121 | English Composition | 4 | ELT 125 | Basic Programmable Controllers (PC Based) | 2 | ELT 225 | Advanced Programmable Controllers (PC Based) | 2 |
| Total Credits | | 12 | ELT 126 | Intermediate Programmable Controllers (PC Based) | 2 | GT 106 | Green Production Practices | 3 |
| Degree Information | | | ESR 171 | Environmental Science: Biological Perspective | 4 | HE 112 | Standard First Aid and Emergency Care | 1 |
| Category | Credit Total | | IMT 100 | Introduction to Trades | 1 | IMT 200 | Pumps and Valves | 3 |
| Core Competency Requirements | 12 | | IMT 102 | Industrial Safety (OSHA) | 4 | IMT 220 | Proportional Hydraulics | 2 |
| IMT Core Requirements | 67 | | IMT 103 | Applied Industrial Technology Mathematics | 4 | WLD 111 | SMAW I | 3 |
| General Education Requirements | | | IMT 104 | Rigging, Lifting, and Safety Inspection | 3 | WLD 112 | SMAW II | 3 |
| Required Degree Electives | 11 | | IMT 105 | Industrial Hydraulics I | 3 | WLD 170 | GMAW I | 3 |
| Total Credits for Degree | 90 | | IMT 106 | Hand Tool/Power Tool Use & Safety | 1 | WLD 171 | GMAW II | 3 |
| MTH and WR courses must be passed with a "C" or better. | | | IMT 108 | Bearings, Seals, and Lubrication | 3 | WLD 201 | GTAW I | 3 |
| Maximum of 3 credits of PE credit allowed for an AAS degree. | | | IMT 204 | Introduction to Pneumatics | 2 | WLD 202 | GTAW II | 3 |
| Maximum of 24 credits of "P" credit allowed for an AAS degree. | | | IMT 211 | Structural Maintenance/Const. | 3 | WR 227 | Technical and Professional Writing | 4 |
| | | | IMT 222 | Lean Manufacturing Process Control | 3 | Total Credits | | 11 |
| | | | IMT 230 | Techniques of Preventive Maintenance | 3 | | | |
| | | | MCH 102 | Introduction to Manufacturing | 3 | | | |
| | | | MCH 121 | Machining 1 | 3 | | | |
| | | | MCH 135 | Measurement and Layout | 3 | | | |
| | | | MCH 220 | Machining 2 | 3 | | | |
| | | | PSY 101 | Psychology and Human Relations | 4 | | | |
| | | | WLD 102 | Blueprint Reading | 4 | | | |
| | | | IMT 280A | Cooperative Work Exp. | 3 | | | |
| Total Credits | | | | | 67 | | | |

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Tillamook Bay Community College 2019-2020