|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **✓** |  | | **REQUIRED MAJOR COURSES:** | | **Course No.** | | | **Course Title** | | | | **Units** |
|  |  | | Required Major Course | | CMA-74 | | | Industrial Drawing and Print Reading | | | | 3.0 |
|  |  | | Required Major Course | | MFGT-70 | | | Introduction to Mechanized Agriculuture | | | | 3.0 |
|  |  | | Required Major Course | | MFGT-130 | | | Introduction to Metal Fabrication | | | | 3.0 |
|  |  | | Required Major Course | | MFGT-140 | | | Introduction to Industrial Hydraulics and Pneumatics | | | | 2.0 |
|  |  | | Required Major Course | | MFGT-150 | | | Introduction to Industrial Electricity | | | | 2.0 |
|  |  | | Required Major Course | | MFGT-169 | | | Hazmat and Industrial Safety | | | | 2.0 |
|  |  | | Required Major Course | | MFGT-180 | | | Industrial Workplace Skills | | | | 1.0 |
|  |  | | Required Major Course | | WLD-150 | | | Basic Welding | | | | 3.0 |
|  |  | |  | |  | | | **SUBTOTAL UNITS (=19.0)** | | | |  |
|  | | **✓** | | **RESTRICTED MAJOR ELECTIVES (Select one course)** | | **Course No.** | | | **Course Title** | | **Units** | |
|  | |  | | Required Major Course | | MFGT-131 | | | Intermediate Metal Fabrication | | 3.0 | |
|  | |  | | Required Major Course | | MFGT-141 | | | Intermediate Industrial Hydraulics and Pneumatics | | 2.0 | |
|  | |  | | Required Major Course | | MFGT-151 | | | Intermediate Industrial Electricity | | 2.0 | |
|  | |  | |  | |  | | | **SUBTOTAL UNITS (≥ 2.0)** | |  | |
|  | |  | |  | |  | | |  | |  | |
|  | | **✓** | | **RESTRICTED MAJOR ELECTIVES (Select  two courses)** | | **Course No.** | | | **Course Title** | | **Units** | |
|  | |  | | Required Major Elective | | CMA -81 | | | Computer Aided Drafting and Design I | | 3.0 | |
|  | |  | | Required Major Elective | | CMA-76 | | | Computer - Aided Mechanical Drafting and Detailing | | 3.0 | |
|  | |  | | Required Major Elective | | CMA-75 | | | Engineering Drawing with Solidworks | | 3.0 | |
|  | |  | | Required Major Elective | | MFGT-71 | | | Agricultural and Industrial Equipment Operation | | 3.0 | |
|  | |  | | Required Major Elective | | MFGT-75 | | | Agriculture Machinery and Management | | 3.0 | |
|  | |  | | Required Major Elective | | MFGT-132 | | | Advanced Metal Fabrication | | 3.0 | |
|  | |  | | Required Major Elective | | WLD-152 | | | Sheet Metal Fabrication | | 2.0 | |
|  | |  | | Required Major Elective | | WLD-151 | | | Introduction to GTAW/TIG Welding | | 3.0 | |
|  | |  | |  | |  | | | **SUBTOTAL UNITS (≥ 5.0)** | |  | |
|  | |  | |  | |  | | | **Major Units Subtotal** | | 26.0-28.0 | |
|  |  | | **REQUIRED GENERAL EDUCATION COURSES** | | | | **Course No.** | | | **Course Title** | | **Units** |
|  |  | | **Natural Sciences** (Select a minimum of 3 units from catalog GENERAL EDUCATION REQUIREMENTS) | | | |  | | |  | | 3.0 |
|  |  | | **Social & Behavioral Sciences** (Select a minimum of 3 units from catalog GENERAL EDUCATION REQUIREMENTS) | | | |  | | |  | | 3.0 |
|  |  | | **Humanities** (Select a minimum of 3 units from catalog GENERAL EDUCATION REQUIREMENTS) | | | |  | | |  | | 3.0 |
|  |  | | **Ethnic Groups in the United States** (Select a minimum of 3 units from catalog GENERAL EDUCATION REQUIREMENTS) | | | |  | | |  | | 3.0 |
|  |  | | **Language and Rationality (9 Units)** | | | |  | | |  | |  |
|  |  | | **A. Written Composition** | | | | ENG-1A | | | College Composition and Reading | | 3.0 |
|  |  | | **B. Communication and Analytical Thinking** | | | | MAT-123\* | | | Intermediate Algebra | | 5.0 |
|  |  | | **Communication and Analytical Thinking** | | | |  | | |  | | 1.0 |
|  |  | | **General Education** | | | | | | | | | **21.0** |
|  |  | | **Required Major Courses and Restricted Major Electives** | | | | | | | | | **26.0** |
|  |  | | **ELECTIVES (Courses Numbered 1–199) required when GE units plus Degree units total are fewer than 60.0** | | | | | | | | | **13.0** |
|  |  | | **TOTAL UNITS** | | | | | | | | | **60.0** |
|  |  | |  | | | | | | | | |  |