|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **✓** |  | **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** |
|  |  |  |  |