




**MANUFACTURING, ENGINEERING,
TECHNOLOGY & TRADES**

Manufacturing, Engineering, Technology & Trades

| Career Pathway | MacLean Fogg Advanced Manufacturing Cohort | Manufacturing Education & Growth Alliance (MEGA) | Engineering & Robotics | | | |
|--|--|--|--|-------------------------------------|---|--------------------------------------|
| D120 Course Requirements | Summer #1 | MEGA - Senior Semester 1 @ CLC* | PLTW - Intro to Engineering Design* | | | |
| | MacLean Fogg Internship Junior Year* | MEGA - Senior Semester 2 Internship | PLTW - Principles of Engineering | | | |
| | Summer #2 | Recommended: | Internship | | | |
| | MacLean Fogg Internship Senior Year* | PLTW - Intro to Engineering Design* | Recommended: | | | |
| | Internship* | PLTW - Digital Electronics | PLTW - Digital Electronics | | | |
| * = dual credit is offered | Recommended: | PLTW - Computer Integrated Manufacturing | PLTW - Computer Integrated Manufacturing | | | |
| | PLTW - Intro to Engineering Design* | PLTW - Principles of Engineering | | | | |
| | PLTW - Digital Electronics | | | | | |
| | PLTW - Computer Integrated Manufacturing | | | | | |
| | PLTW - Principles of Engineering | | | | | |
|  | Nanosystems - Engineering | Construction Skills & Management | Welding | | | |
| | | | | PLTW - Intro to Engineering Design* | Construction Skills & Mgmt I @ Tech Campus* | Welding/Fabrication 1 @ Tech Campus* |
| | | | | Nanotechnology & Research | Construction Skills & Mgmt 2 @ Tech Campus* | Welding/Fabrication 2 @ Tech Campus* |
| | | | | Internship | Internship | Internship |
| | | | | Recommended: | Recommended: | Recommended: |
| | PLTW - Principles of Engineering | Industrial Technology | Industrial Technology | | | |
| | STEM Inquiry & Research | Building Trades | PLTW - Intro to Engineering Design* | | | |
| | | PLTW - Intro to Engineering Design* | | | | |
| | | Geometry in Construction | | | | |