

<b>CTE - INDUSTRIAL TECHNOLOGY</b>			
<b>COURSE</b>	<b>CREDIT</b>	<b>OPEN TO</b>	<b>PREREQUISITE</b>
Industrial Technology	0.5	9-12	None
Building Trades	1.0	10-12	Industrial Technology
MacLean-Fogg Cooperative Internship	2.0	11-12	None
MEGA - Manufacturing and Machining Principles	1.0	12	Algebra 2
MEGA - Manufacturing Cooperative Internship	1.0	12	MEGA Manufacturing and Machining Principles

<p><b>INDUSTRIAL TECHNOLOGY</b></p> <p>Prerequisite: None  Open to: Grades 9-12  Length: 1 semester  Credits: 0.5</p> <p>Course Number: IT1100</p>	<p>Industrial Technology will expose students to a variety of power hand tools and floor machinery geared towards woodworking and manufacturing. Students will incorporate math and science in the design process and construction of several required projects. This course is a great start into several Programs of Study: Engineering, Manufacturing, Building Trades, etc.</p>
<p><b>BUILDING TRADES</b></p> <p>Prerequisite: Industrial Technology  Open to: Grades 10-12  Length: 2 semesters  Credits: 1.0</p> <p>Course Number: IT2100</p>	<p>Building Trades is an introduction to residential construction practices. Fundamentals of planning, layout, foundations, and rough framing are taught in theory and through the construction of a model home built inside the Shop Lab. Students will also develop their reading, writing, mathematics, and communication skills.</p>

<p><b>MACLEAN-FOGG COOPERATIVE INTERNSHIP</b></p> <p>Prerequisite: None  Open to: Grades 11-12*  Length: 2 semesters (All year)  Credits: 2.0</p> <p><b>*Students must start this program in grade 11. Students in grade 12 are not eligible for this program.*</b></p> <p>Dual-Credit Opportunity  <b>3 Credit Hours at CLC in MTT 110 Machine Trades Blueprint Reading</b>  <b>3 Credit Hours at CLC in MTT 112 Manual Machining</b>  <b>3 Credit Hours at CLC in CNC 110 CNC Operations (note courses may be substituted as industry requirements change/evolve)</b></p> <p>Course Number: SP4150</p>	<p>This is a cooperative educational program where the student receives high school credit toward graduation and is a paid intern and employee of the sponsoring company while completing the course. Students enter the internship in their junior year and finish the internship in their senior year with the possibility of a full-time employment offer from MacLean-Fogg upon graduation. The course meets during 7th and 8th periods and may include some class/project time during the summer. Transportation is available. Students must submit an application, be selected by MacLean-Fogg and meet all conditions of employment. Students will need a smartphone and use an app to record clock-in and clock-out times for attendance - in addition to any time clock requirements at the employer site.</p> <p>Note: Students are considered paid employees throughout this program whether at the plant site or at CLC, and are subject to all employee guidelines and expectations.</p>
<p><b>MEGA MANUFACTURING and MACHINING PRINCIPLES</b></p> <p>Prerequisite: Algebra 2  Open to: Grade 12  Length: 1 semester (All year with additional internship)</p> <p>Credits: 1.0</p> <p>Dual-Credit Opportunity  <b>1 Credit Hour at CLC in EWE 120 Job Readiness Skills</b>  <b>3 Credit Hours at CLC in MTT 112 Manual Machining</b>  <b>3 Credit Hours at CLC in CNC 110 CNC Operations</b>  <b>Earn 4 NIMS Industry Credentials (note courses may be substituted as industry requirements change/evolve)</b></p> <p>Course Number: SP4175</p>	<p>This is a cooperative educational program where the student receives dual credit (toward graduation and college) and may lead to a paid internship as an employee of the sponsoring company in the 2nd semester of the course and/or an offer of employment after graduation. Internships and employment offers are based on successful completion of this course and an interview process with the prospective employer(s). In the principles course, students complete coursework at CLC where they will earn 7 college credit hours and up to 4 NIMS certifications. Students will have an additional period (generally 6th period) to facilitate travel to and from CLC and/or the manufacturing site. The course meets during 7th and 8th periods and may include some time during the summer. Transportation is available. Students must submit an application, be selected and meet all conditions of employment.</p>
<p><b>MEGA MANUFACTURING COOPERATIVE INTERNSHIP</b></p> <p>Prerequisite: MEGA Manufacturing and Machining Principles  Open to: Grade 12  Length: 1 semester (Must complete MEGA Mfg and Machining principles in 1st semester)  Credits: 1.0  Dual-Credit Opportunity</p>	<p>This is a cooperative internship and educational program where the student receives dual credit (toward graduation and college) and is a paid intern and employee of the sponsoring company in the 2nd semester. Students must have successfully completed the MEGA principles course and the Manufacturing employer interview in the first semester, and be at least 18 years of age in January of the spring semester. Having met these requirements, the student becomes a paid intern of the sponsoring partner company. Work hours are during the school day (currently 1pm to 3pm). Students must submit an</p>

**2nd Semester ONLY**  
**3 Credit Hours at CLC in EWE 220 Internship**

Course Number: SP4175

application, be selected and meet all conditions of employment. Students will be responsible for attendance - in addition to any time clock requirements at the employer site.