

Semester One		
ENGL 1010	Fundamentals of English I (Pre-Req: Test Scores – See Advisor)	3
EMPL 1000	Interpersonal Relations	2
Choose One:	MATH 1012 Foundations of Math (Pre-Req: Test Scores – See Advisor) or MATH 1013 Algebraic Concepts (Pre-Req: Test Scores – See Advisor)	3
IDSY 1170	Industrial Mechanics	4
<b>Total Hours:</b>		<b>12</b>

Semester Two		
IDSY 1130	Industrial Wiring	4
IDSY 1101	DC Circuit Analysis	3
IDSY 1190	Fluid Power Systems	4
<b>Total Hours:</b>		<b>11</b>

Semester Three		
IDSY 1105	AC Circuit Analysis	3
IDSY 1110	Industrial Motor Controls	4
IDSY 1195	Pumps & Piping Systems	3
<b>Total Hours:</b>		<b>10</b>

Semester Four		
<a href="#">Click Here to Apply for Graduation</a>		
IDSY 1120	Basic Industrial PLCs	4
<a href="#">Click for Option</a>	Occupational-Related Electives	9
<b>Total Hours:</b>		<b>13</b>



This plan is for informational purposes ONLY.  
It is not a substitute for meeting with a  
program advisor each term.

**Total Program Hours: 46**

# Occupational-Related Electives

AUMF 1150 *Introduction to Robotics (3)\*\**  
AUMF 2060 *Work Cell Design Laboratory (2)\*\**  
CIST 1001 *Computer Concepts (4)*  
(Co-Req: COMP 1000)  
ENGT 1000 *Intro to Engineering Tech (3)*  
IDSY 1020 *Print Reading/Problem Solving (3)\*\**  
(Pre-Req: Regular Admission\*)  
IDSY 1160 *Mechanical Laws/Principles (4)\*\**  
IDSY 1210 *Industrial Motor Controls II (4)\*\**  
(Co-Req: IDSY 1110)  
IDSY 1220 *Intermediate Industrial PLCs (4)\*\**  
(Pre-Req: IDSY 1120)

IDSY 1240 *Maintenance for Reliability (4)\*\**  
(Pre-Req: IDSY 1170)  
MCHT 1011 *Intro to Machine Tool (4)*  
MCHT 1119 *Lathe Operations I (3)*  
(Pre-Req: MCHT 1011 + (MCHT 1013 or MATH 1012 or higher))  
MCHT 1120 *Mill Operations I (3)*  
MEGT 1010 *Manufacturing Processes (3)*  
(Pre-Req: Regular Admission\*, Co-Req: ENGT 1000)  
WELD 1000 *Intro to Welding Technology (3)*  
WELD 1040 *Flat Shielded Metal Arc Welding (4)*  
(Co-Req: WELD 1000)

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\*Regular Admission means that a student has met all admissions requirements and that the student does not require any learning support classes. LTC's learning support courses are ENGL 0090, MATH 0090, and READ 0090.

\*\*Starred electives are those suggested by the Industrial Systems Advisor for industry proficiency.

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Effective Term: 201614

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