

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
Total Hours:		12

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

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

Semester Four		
Click Here to Apply for Graduation		
IDSY 1120	Basic Industrial PLCs	4
Click for Option	Occupational-Related Electives	9
Total Hours:		13



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)

[To Top](#)

*Regular Admission means that a student has met all admissions requirements and that the student does not require any learning support classes.

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

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Equal Opportunity Institution

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website: <http://www.laniertech.edu/GE.aspx>.