

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)	3
	or	
	MATH 1013 Algebraic Concepts (Pre-Req: Test Scores – See Advisor)	
IDSY 1101	DC Circuit Analysis	3
Total Hours:		11

Semester Two		
IDSY 1130	Industrial Wiring	4
IDSY 1110	Industrial Motor Controls	4
Click for Option	Occupational-Related Electives	3
Total Hours:		11

Semester Three		
IDSY 1105	AC Circuit Analysis	3
IDSY 1210	Industrial Motor Controls II (Co-Req: IDSY 1110)	4
IDSY 1120	Basic Industrial PLCs	4
Total Hours:		11

Semester Four		
Click Here to Apply for Graduation		
IDSY 1220	Intermediate Industrial PLCs (Pre-Req: IDSY 1120)	4
IDSY 1230	Industrial Instrumentation	4
Click for Option	Occupational-Related Electives	3
Total Hours:		11



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

Total Program Hours: 44

Occupational-Related Electives

ACCT 1100 *Financial Accounting I (4)*

(Pre-Req: Regular Admission*)

AIRC 1005 *Refrigeration Fundamentals (4)*

AIRC 1010 *Refrigeration Principles/Practices (4)*

(Co-Req: AIRC 1005)

AIRC 1020 *Refrigeration System Concepts (4)*

(Co-Req: AIRC 1010)

AUMF 1150 *Introduction to Robotics (3)*

CIST 1130 *Operating System Concepts (3)*

CIST 2451 *CISCO Introduction to Networks (4)*

ELCR 1005 *Soldering Technology (1)*

ELCR 1030 *Solid State Devices (5)*

ELCR 1040 *Digital/Microprocessor Fund. (5)*

(Pre-Req: ELCR 1020 + ELCR 1030)

ELCR 1060 *Linear Integrated Circuits (3)*

(Pre-Req: ELCR 1030)

ELCR 1230 *Communications Elec Survey (3)*

ELCR 2160 *Adv Microprocessors/Robotics (3)*

(Pre-Req: ELCR 2130 + ELCR 2140)

ELTR 1060 *Elect Prints Schematics Sys (2)*

ELTR 1080 *Commercial Wiring I (5)*

ELTR 1205 *Residential Wiring I (3)*

(Co-Req: ELTR 1210)

ELTR 1260 *Transformers (3)*

(Pre-Req: ELTR 1080 + ELTR 1090)

ELTR 1270 *NEC Industrial Applications (4)*

(Co-Req: ELTR 1080 + ELTR 1090)

IDFC 1007 *Industrial Safety Procedures (2)*

IDSY 1170 *Industrial Mechanics (4)*

IDSY 1190 *Fluid Power/Piping Systems (4)*

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)*

WELD 1000 *Intro to Welding Technology (3)*

WELD 1010 *Oxyfuel Cutting (3)*

(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.

Updated: 09/09/15
Effective Term: 201614

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>.