

Semester One		
ENGL 1101	Composition & Rhetoric (Pre-Req: Test Scores – See Advisor)	3
<a href="#">Click for Option</a>	Area II: General Education Core	3
IDSY 1101	DC Circuit Analysis	3
IDSY 1105	AC Circuit Analysis	3
<b>Total Hours:</b>		<b>12</b>

Semester Four		
ELCR 1030	Solid State Devices	5
IDSY 1220	Intermediate Industrial PLCs (Pre-Req: IDSY 1120)	4
<a href="#">Click for Option</a>	Occupational-Related Elective	3
<b>Total Hours:</b>		<b>12</b>

Semester Two		
IDSY 1110	Industrial Motor Controls	4
IDSY 1120	Basic Industrial PLCs	4
IDSY 1190	Fluid Power Systems	4
<b>Total Hours:</b>		<b>12</b>

Semester Five		
<a href="#">Click Here to Apply for Graduation</a>		
<a href="#">Click for Option</a>	Area III: General Education Core	3
IDSY 1230	Industrial Instrumentation	4
MCTX 2250	Mechatronics Capstone	3
<a href="#">Click for Option</a>	Occupational-Related Elective	3
<b>Total Hours:</b>		<b>13</b>

Semester Three		
<a href="#">Click for Option</a>	Area IV: General Education Core	3
<a href="#">Click for Option</a>	General Education Core Elective	3
AUMF 1150	Introduction to Robotics	3
IDSY 1210	Industrial Motor Controls II (Co-Req: IDSY 1110)	4
<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: 62**

# OPTIONS

## General Education Core

### Area II: Social/Behavioral Science

ECON 1101 *Principles of Economics* (3)  
(Pre-Req: Regular Admission\*)

ECON 2105 *Macroeconomics* (3)  
(Pre-Req: Regular Admission\*)

ECON 2106 *Microeconomics* (3)  
(Pre-Req: Regular Admission\*)

HIST 1111 *World History I* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

HIST 1112 *World History II* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

HIST 2111 *U.S. History I* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

HIST 2112 *U.S. History II* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

POLS 1101 *American Government* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

POLS 2401 *Global Issues* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

PSYC 1101 *Introductory Psychology* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

SOCI 1101 *Introduction to Sociology* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

### Area III: Natural Sciences/Mathematics

(Pre-Req: Test Scores – See Advisor)

MATH 1101 *Mathematical Modeling* (3)

MATH 1103 *Quant. Skills/Reasoning* (3)

MATH 1111 *College Algebra* (3)

### Area IV: Humanities/Fine Arts

ARTS 1101 *Art Appreciation* (3)  
(Pre-Req: Regular Admission\*)

ENGL 2110 *World Literature* (3)  
(Pre-Req: ENGL 1101)

ENGL 2130 *American Literature* (3)  
(Pre-Req: ENGL 1101)

HUMN 1101 *Intro to Humanities* (3)  
(Pre-Req: ENGL 1101)

MUSC 1101 *Music Appreciation* (3)  
(Pre-Req: Regular Admission\*)

### General Education Core Elective

Any course from Areas II through IV OR

BIOL 1111(L) *Biology I + Lab* (4)  
(Pre-Req: Regular Admission\*)

BIOL 2113(L) *Human A&P I + Lab* (4)  
(Pre-Req: Regular Admission\*, Co-Req: ENGL 1101)

BIOL 2114(L) *Human A&P II + Lab* (4)  
(Pre-Req: BIOL 2113 + Lab)

ENGL 1102 *Literature & Comp.* (3)  
(Pre-Req: ENGL 1101)

MATH 1112 *College Trigonometry* (3)  
(Pre-Req: MATH 1111 + Regular Admission\*)

MATH 1113 *Precalculus* (3)  
(Pre-Req: MATH 1111 + Regular Admission\*)

MATH 1127 *Intro to Statistics* (3)  
(Pre-Req: Regular Admission\*)

MATH 1131 *Calculus I* (4)  
(Pre-Req: MATH 1112 or 1113 + Regular Admission\*)

PHYS 1110(L) *Conc. Phys + Lab* (4)  
(Pre-Req: MATH 1101 or 1111 + ENGL 1101)

PSYC 2103 *Human Develop.* (3)  
(Pre-Req: PSYC 1101)

SPAN 1101 *Intro to Spanish* (3)  
(Pre-Req: Regular Admission\*)

SPCH 1101 *Public Speaking* (3)  
(Pre-Req: Regular Admission\* for English/Reading)

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## Occupational-Related Electives

AIRC 1005 *Refrigeration Fundamentals* (4)

AUMF 2060 *Work Cell Design Laboratory* (2)

BUAS 1010 *BAS Fundamentals* (2)

IDSY 1130 *Industrial Wiring* (4)

IDSY 1170 *Industrial Mechanics* (4)

IDSY 1240 *Maintenance for Reliability* (4)  
(Pre-Req: IDSY 1170)

WELD 1000 *Intro to Welding Technology* (4)

WELD 1010 *Oxyfuel Cutting* (4)  
(Co-Req: WELD 1000)

\*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.

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Effective Term: 201712

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>.