

Semester One		
ENGL 1101	Composition & Rhetoric (Pre-Req: Test Scores – See Advisor)	3
Click for Option	Area II: General Education Core	3
Click for Option	General Education Core Elective	3
IDSY 1170	Industrial Mechanics	4
Total Hours:		13

Semester Four		
IDSY 1120	Basic Industrial PLCs	4
IDSY 1210	Industrial Motor Controls II (Co-Req: IDSY 1110)	4
Click for Option	Occupational-Related Electives	4
Total Hours:		12

Semester Two		
Click for Option	Area III: General Education Core	3
IDSY 1130	Industrial Wiring	4
IDSY 1101	DC Circuit Analysis	3
IDSY 1190	Fluid Power Systems	4
Total Hours:		14

Semester Five		
Click Here to Apply for Graduation		
IDSY 1220	Intermediate Industrial PLCs (Pre-Req: IDSY 1120)	4
Click for Option	Occupational-Related Electives	7
Total Hours:		11

Semester Three		
Click for Option	Area IV: General Education Core	3
IDSY 1105	AC Circuit Analysis	3
IDSY 1110	Industrial Motor Controls	4
IDSY 1195	Pumps & Piping Systems	3
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: 63

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*)

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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 1103 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)

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 1230 *Industrial Instrumentation* (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)

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)

*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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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>.