

Mechatronics Technology

Diploma Program

MTD2

Updated: 6/30/2016
Effective Term: 201712

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Curriculum

Basic Skills – Total of 8 Hours

ENGL 1010 *Fundamentals of English I* (3)

EMPL 1000 *Interpersonal Relations* (2) - OR –
PSYC 1010 *Basic Psychology* (3)

MATH 1012 *Foundations of Mathematics* (3) - OR -
MATH 1013 *Algebraic Concepts* (3)

Program-Specific Core – Total of 41 Hours

ELCR 1030 *Solid State Devices* (5)

IDSY 1101 *DC Circuit Analysis* (3)

IDSY 1105 *AC Circuit Analysis* (3)

IDSY 1110 *Industrial Motor Controls* (4)

IDSY 1120 *Basic Industrial PLCs* (4)

IDSY 1190 *Fluid Power Systems* (4)

IDSY 1210 *Industrial Motor Controls II* (4)

IDSY 1220 *Intermediate Industrial PLCs* (4)

IDSY 1230 *Industrial Instrumentation* (4)

MCTX 2250 *Mechatronics Capstone* (3)

AUMF 1150 *Introduction to Robotics* (3)

Total: 49 Hours

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>

Mechatronics Technology

Diploma Program

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Program Description

The Mechatronics Technology Diploma program is designed for the student who wishes to prepare for a career as a Mechatronics technician/electrician. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skill, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The diploma program teaches skills in Mechatronics Technology providing background skills in several areas of industrial maintenance, including electronics, industrial wiring, motors, controls, PLC's, instrumentation, fluid power, mechanical, pumps and piping, and computers. Graduates of the program receive a Mechatronics Technology Diploma that qualifies them for employment as industrial electricians or Mechatronics technicians.

Program Specific Information

Students are accepted every semester based on course and space availability.

Program Length & Availability

4 Semesters

Campus Availability: Barrow

Admissions Requirements

- Must be 16 years of age.
- High school diploma or GED is required prior to admission.
(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)
- ACCUPLACER Testing, or submit SAT, ACT, CPE, or COMPASS test scores.

Financial Aid

This program is pending eligibility for Federal Financial Aid (Pell Grant), but may be eligible for Institutional and State Financial Aid. Contact a Financial Aid Counselor for eligibility requirements and application materials.

[Click here to jump back to Curriculum](#)

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