

ELECTRO-MECHANICAL ENGINEERING TECHNOLOGY

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The Electro-Mechanical Engineering Technology Program offers students the opportunity to build a career maintaining integrated manufacturing systems found in advanced manufacturing. The program leads students through a mechatronics approach to maintaining and troubleshooting highly-automated, complex manufacturing systems that include programmable logic controllers, robots, various types of drives, sensors, photoeyes, and electrohydraulics and electropneumatics. Graduates will be able to work as Maintenance Technicians in most manufacturing settings.

Technical Standards

See here for details.

Tech Prep Partner




See here for details.

Electro-Mechanical Engineering Technology

Associate of Applied Science Degree

First Year

First Semester

	Hours
COM 1110  English Composition	3
MET 1110 Manufacturing Processes	3
MET 1000 Engineering Graphics with AutoCAD	3
EET 1110 Circuit Analysis I	3
SDE 1010  First Year Experience	1
	
PHY 1120 Physics I	4
Term Hours	17

Second Semester



MET 1020 Material Science	3
EET 1120 Circuit Analysis II	3
EET 1130 Electronics	4
MET 1130 Statics	3
PHY 1130 Physics II	4
Term Hours	17


Second Year

First Semester

EET 1330 Digital Circuits	4
MET 2991 Field Experience	1
or EET 2991 or Field Experience	
EET 2911 Programmable Logic Controllers	3
MET 2210 Strength of Materials	3
MTH 1370 College Algebra	4
Term Hours	15

Second Semester


PSY 1010 General Psychology	3
or SOC 1010 or Sociology	
or SOC 1320 or American Cultural Diversity	
TECHNICAL ELECTIVE	2-3
MET 2970  MET Department Capstone	2
 or EET 2970 Capstone	
COM 1140 Technical Writing	3
MTH 1430 Trigonometry	3
Term Hours	13-14
Total Hours	62-63

 The ePortfolio requirement has been phased out and the ePortfolio indicators are being removed from the site.

 Capstone

Technical Electives:

Code	Title	Hours
EET 2030	Motor Controls	3
EET 2200	Panel Wiring and Arc Flash Safety	3
EET 2900	Electric Codes and Application	2
ENV 1300	OSHA Regulations and Safety	3
FMS 2110	Basic Robotics and Mechatronics	3
FMS 2130	Industrial Mechatronics and Robotics	3
GET 1500	Special Topics in Engineering Technology	1-10
IMT 2170	Industrial Motor Drives	2

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 Capstone Course