INDUSTRIAL MAINTENANCE TECHNICIAN (ELECTRICAL) - ASSOCIATE OF APPLIED SCIENCE

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education		
Choose one course from four od the following six content areas for a total of 12-14 credits [1,2]		*12-14*
This degree requires courses from Areas I, II, IV and V; students will not have to take any additional courses to complete General Education requirements.		
Area I: Communications		
ENGL 1110G	Composition I	
Area II: Mathematics		
MATH 1130G	Survey of Mathematics [3]	
Area IV: Social/Behavioral Sciences		
Choose one from the following (3 credits):		
ANTH 1115G	Introduction to Anthropology	
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
GEOG 1120G	World Regional Geography	
or GEOG 1130G	Human Geography	
POLS 1120G	American National Government	
or POLS 1110G	Introduction to Political Science	
SOCI 1110G	Introduction to Sociology	
Area V: Humanities		
Choose one from the following:		
HIST 1110G	United States History I	
or HIST 1120G	United States History II	
HIST 1150G	Western Civilization I	
or HIST 1160G	Western Civilization II	
General Education Elective		
ENGL 2210G	Professional & Technical Communication	3
Core Requirements		
INMT 133	Process Technology and Systems	4
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
INMT 134	Maintenance Principles	4
INMT 165	Equipment Processes	4
OEET 120	Basic Motor Controls	5
OEET 110	Basic Electricity and Electronics	4
MAT 130	Applied Industrial Electricity I	4
INMT 223	Electrical Repairs	4
MAT 135	Applied Industrial Electricity II	4
INMT 205	Programmable Logic Controllers and Applications	4
OEET 295	Special Topics	2
Total Credits		**60**

[1]

Each course selected must be from a different area and students cannot take multiple courses in the same area.

[2]

See the General Education (http://catalogs.nmsu.edu/carlsbad/essential-information-students/general-education-courses/) section of the catalog for a full list of courses.

[3]

MATH 1130G Survey of Mathematics is required for the degree but students may need to take any prerequisites needed to enter MATH 1130G first.

A Suggested Plan of Study

Additional classes may be needed based on placement test results and/or course prerequisites. Visit with an advisor for help with creating a customized plan.

First Year		
Fall		**Credits**
INMT 133	Process Technology and Systems	4
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
ENGL 1110G	Composition I	4
Area IV: Social/Behavioral Sciences Course [1]		3
	Credits	**16**
Spring		
INMT 134	Maintenance Principles	4
INMT 165	Equipment Processes	4
ENGL 2210G	Professional & Technical Communication	3
OEET 120	Basic Motor Controls	5
	Credits	**16**
Second Year		
Fall		
OEET 110	Basic Electricity and Electronics	4
MAT 130	Applied Industrial Electricity I	4
INMT 223	Electrical Repairs	4
Area V: Humanities Course [2]		3
	Credits	**15**
Spring		
MAT 135	Applied Industrial Electricity II	4
MATH 1130G	Survey of Mathematics [3]	3
INMT 205	Programmable Logic Controllers and Applications	4
OEET 295	Special Topics	2
	Credits	**13**
	Total Credits	**60**

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Area IV: Social/Behavioral Sciences Courses:
- ANTH 1115G Introduction to Anthropology
- ECON 1110G Survey of Economics, ECON 2110G Macroeconomic Principles, or ECON 2120G Principles of Microeconomics
- GEOG 1120G World Regional Geography or GEOG 1130G Human Geography
- POLS 1110G Introduction to Political Science or POLS 1120G American National Government
- SOCI 1110G Introduction to Sociology

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Area V: Humanities Courses
- HIST 1110G United States History I or HIST 1120G United States History II
- HIST 1150G Western Civilization I or HIST 1160G Western Civilization II

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MATH 1130G Survey of Mathematics is required for the degree but students may need to take any prerequisites needed to enter MATH 1130G first.