



# ELECTRO-MECHANICAL TECHNOLOGY (EM-TECH)

Associate of Applied Science Degree  
(98 Quarter Credits)

2023-2024

## Program Prerequisites:

- MTH 65 Beginning Algebra II (4 credits) completed with a “B” or better, or equivalent placement
- IRW 115 Critical Reading and Writing (5 credits) or WR 115 Introduction to Expository Writing (4 credits) or equivalent placement

## Coursework:

Course Number	Course Title	Prereqs	Credits
<b>Fall Term Yr 1</b>			<b>15</b>
EET 111	Electrical Circuit Analysis 1	MTH 65 (with “B” or better), IRW 115 or WR 115, or place	5
MEC 123	Industrial Mechanical Systems	IRW 115 or WR 115 or place; place into MTH 65 or MTH 98	5
MTH 110 or higher	Technical Math (or higher)	MTH 65 or place. Rec: concurrent enrollment in EET 111.	4
SAF 188	Industrial Safety and OSHA 10	none	1
<b>Winter Term Yr 1</b>			<b>18</b>
CG 209	Job Finding Skills	none	1
EET 112	Electrical Circuit Analysis 2	EET 111	5
EET 180	Industrial Computing	MTH 65 or place	3
MEC 120	Hydraulics and Pneumatics	MTH 65 or place	5
WR 121 or WR 121Z	Composition I	IRW 115 or WR 115 or place	4
<b>Spring Term Yr 1</b>			<b>17</b>
EET 113	Electrical Circuit Analysis 3	EET 112 or dept approval	5
EET 141	Motor Control	EET 112	5
MEC 124	Mechatronic Systems in Advanced Manufacturing	IRW 115 or WR 115, MTH 65, or place	3
	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
<b>Fall Term Yr 2</b>			<b>19</b>
EET 221	Semiconductor Devices and Circuits 1	EET 113	5
EET 251	Digital Electronics 1: Programmable Logic Devices	EET 113	5
RET 223	Power Generation	none	5


	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
<b>Winter Term Yr 2</b>			<b>17</b>
EET 219	Programmable Logic Controllers	EET 251	3
EET 231	Semiconductor Devices and Circuits 2	EET 221	5
EET 252	Digital Electronics 2: Programmable Logic Devices	EET 251	5
	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
<b>Spring Term Yr 2</b>			<b>12</b>
EET 242 <i>or</i> UAS 101	Microcontroller Systems <i>or</i> Introduction to Uncrewed Aircraft Systems	EET 252, EET 222 <i>or</i> IRW 115 or WR 115, MTH 65, or place	5
EET 273	Electronic Control Systems	EET 222	3
	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
<b>Total Quarter Credits</b>			<b>98</b>

## General Education Requirements

Students must earn a minimum of 16 credits of General Education taken from the list of approved courses. They must include at least one course with a minimum of 3 credits from each of the following categories.

- **Arts and Letters:** Art\*, Communication, English Literature, Language, Music\*, Philosophy, Theater\*, Writing\*
- **Social Sciences:** Anthropology, Economics, History, Political Science, Psychology, Sociology, Women's Studies
- **Science and Math:** Biology, Chemistry, Environmental Science, General Science, Geology, Math\*

\*See list of General Education Electives in current Catalog, as not all courses within discipline will meet requirement.



**This form is intended for advising purposes only. See your declared catalog for a complete list of degree requirements.**

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