

AAS: Electro-Mechanical Technology | 97 Credits

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	Prerequisites	Credits
Year 1 Fall			15
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
Year 1 Winter			18
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
Year 1 Spring			17
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
Year 2 Fall			19
EET 221	Semiconductor Devices and Circuits 1	EET 113	5
EET 251	Digital Electronics 1: Programmable Logic Devices	EET 113, EET 141	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
Year 2 Winter			14
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
Year 2 Spring			14
UAS 101	Introduction to Uncrewed Aircraft Systems	IRW 115 or WR 115, MTH 65, or place	5
EET 273	Industrial Control	EET 252	5
	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
Total Quarter Credits			97

General Education Elective Recommendations

Social Sciences:

- BA 101Z Introduction to Business (4 cr.)

Arts & Letters:

- COMM 215 Small Group Communication: Process and Theory (4 cr.)
- COMM 228 Mass Communication and Society (4 cr.)
- COMM 237 Gender and Communication (4 cr.)

Math, Science or Computer Science

- GS 109 Physical Science (Meteorology) (4 cr.)
- MTH 251, 252, 253 Calculus I, II, III (5 cr.)
- STAT 243Z Elementary Statistics I (4 cr.)
- STAT 244 Statistics II (5 cr.)