AAS: Electro-Mechanical Technology | 100 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			**16**
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			**14**
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			**14**
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			**16**
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

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	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
Year 2 Winter			**15**
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
Year 2 Spring			**16**
UAS 101	Introduction to Uncrewed Aircraft Systems	IRW 115 or WR 115, MTH 65, or place	5
EET 273	Industrial Control	EET 219	5
	General Education Elective	place into MTH 65 or MTH 98. Pre/con: WR 121 or WR 121Z	4
		Total Quarter Credits	**100**

General Education Requirements and Electives

General Education requirements for all Associate Degree programs can be found on pages 10-11 in the CGCC catalog at cgcc.edu/catalog, or on the General Education Requirements sheet.

General Education Electives can be found on pages 12-13 in the CGCC catalog at cgcc.edu/catalog.