

# ENGINEERING TECHNOLOGY - ROBOTICS & AUTOMATION TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE

## Course Sequence Guide

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
ENG 111	English Composition	4
GEO 115	Introduction to GIS	3
EET 102	Intro to Engineering Tech	2
EET 103	Electrical Studies I	3
RAM 155	Microcontroller Programming	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
Select one of the following:		3-4
ENG 112	English Composition	
ENG 220	Technical Writing	
BUS 231	Professional Communications	
RAM 205	Microcontroller Systems	3
DD 170	CADD/Computer Modeling	4
EET 204	Electrical Studies II	3
<b>Credits</b>		<b>13-14</b>
<b>Year 2</b>		
<b>Fall</b>		
MTH 121	College Algebra	4
MFG 104	Fluid Power	3
MFG 203	Manuf/Engineering Processes	3
EET 221	Industrial Controls (Fall only)	3
EET 232	Programmable Logic Controllers (Fall only)	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
Approved Technical Elective (see list below)		3
PHL 105	Critical Thinking	3
EET 233	PLC Applications I (Spring only)	3
EET 234	PLC Applications II (Spring only)	3
Select one of the following:		4
ENV 117	Meteorology & Climatology	
BIO 106	Human Biology	
PHY 105	Physics of the World Around Us	
PHY 121	General Physics I	
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>60-61</b>

## approved technical electives

Course	Title	Credits
CIT 110	Programming Logic and Design	3
CIT 178	Relational Databases	3

CIT 180	Web Development	3
CIT 190	JavaScript Programming	3
CIT 195	Application Development	3
CIT 213	Networking Technologies	4
CIT 228	Advanced Database Systems	3
CIT 255	Object-Oriented Programming	3
DD 101	Print Reading and Sketching	3
DD 110	Basic Metallurgy	3
EET 180	Biomedical Equipment I	3
EET 212	Elements of Photonics	4
EET 260	System Engineering in Practice	3
EET 281	Biomedical Equipment II	3
WSI 240	ROV Systems and Operations	3
UAS 107	Remote Pilot Ground	3
UAS 141	Remote Pilot Flight	3

The responsibility for determining the transferability of this degree and courses to another institution is the sole responsibility of the student.