

Mechatronics, Electronics & Robotics - Electrical Technology

Program: Mechatronics, Electronics & Robotics

OPTION II - AAS ELECTRICAL TECHNOLOGY - Guided Pathway/Map

1st Semester

Item #	Title	Credits
ILT 160	DC Fundamentals	3
ILT 161	AC Fundamentals	3
AUT 138	Principles of Industrial Mechanics	3
CIS 146	Computer Applications	3
ORI 110	Freshman Seminar	1
	Sub-Total Credits	13

2nd Semester

Item #	Title	Credits
ELT 110	Wiring Methods	3
ILT 166	Motors and Transformers I	3
ILT 168	Hydraulics/Pneumatics	3
MTH 116	Mathematical Applications	3
CIS 199	Network Communications	3
	Sub-Total Credits	15

3rd Semester

Item #	Title	Credits
ILT 197	Motor Controls I	3
ILT 231	National Electric Code	3
ELT 114	Residential Wiring Methods	3
ELT 104	Distribution System	3
	Sub-Total Credits	12

4th Semester

Item #	Title	Credits
ILT 240	Sensors Technology and Applications	3
ILT 194	Intro. To Programmable Logic Controllers	3
ILT 117	Principles of Construction Wiring	3
ILT 167	AC/DC Machinery and Controls I	3
ENG 101	English Composition I	3
	Sub-Total Credits	15

5th Semester

Item #	Title	Credits
ILT 181	Special Topics in ILT	3
ELT 132	Commercial/Industrial Wiring II	3
ELT 225	Smart House Wiring	3
HUM 101	Introduction to Humanities I	3
HIS 101	Western Civilization I	3
	Sub-Total Credits	15
	Total credits:	70