

Mechatronics Engineering Technology (A40350)

Degree Type

Associate in Applied Science

Credential Number

A40350

General Education Requirements

Communication

Take 2 Groups

Group 1 - Take 3 credits from

Item #	Title	Credits
ENG 110	Freshman Composition	3
ENG 111	Writing and Inquiry	3

Group 2 - Take 3 credits from

Item #	Title	Credits
COM 110	Introduction to Communication	3
COM 120	Intro Interpersonal Com	3
COM 231	Public Speaking	3
ENG 111	Writing and Inquiry	3

Humanities/Fine Arts

Take 3 credits from

Item #	Title	Credits
ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
HUM 115	Critical Thinking	3
PHI 240	Introduction to Ethics	3
REL 110	World Religions	3

Social/Behavioral Sciences

Take 3 credits from

Item #	Title	Credits
POL 120	American Government	3
PSY 118	Interpersonal Psychology	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

Natural Sciences/Mathematics

Take 4 credits from

Item #	Title	Credits
MAT 171	Precalculus Algebra	4

Major Requirements

Required Courses

Take 35 credits from

Item #	Title	Credits
ATR 112	Intro to Automation	3
CIS 110	Introduction to Computers	3
DFT 119	Basic CAD	2
ELC 117	Motors and Controls	4
ELC 128	Intro to PLC	3
ELC 131	Circuit Analysis I	4
ELC 213	Instrumentation	4
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2
MEC 130	Mechanisms	3
PHY 151	College Physics I	4

Other Major Requirements

Take 2 groups

Group 1 - Take 14 credits from

Item #	Title	Credits
ATR 115	Introduction to Mechatronics	4
ELC 120	Intro to Wiring	3
ELN 133	Digital Electronics	4
PTE 114	Pathway to Employ-Egr Tech	3

Group 2 - Take 1 credit from

Item #	Title	Credits
WBL 110	World of Work	1
WBL 111T	Work-Based Learning I - Technical Programs	1

Course Sequencing

1st Semester (Fall)

Item #	Title	Credits
CIS 110	Introduction to Computers	3
ELC 131	Circuit Analysis I	4
ELN 133	Digital Electronics	4
ISC 112	Industrial Safety	2
PTE 114	Pathway to Employ-Egr Tech	3

2nd Semester (Spring)

Item #	Title	Credits
ATR 115	Introduction to Mechatronics	4
ELC 117	Motors and Controls	4
ELC 120	Intro to Wiring	3
HYD 110	Hydraulics/Pneumatics I	3

3rd Semester (Summer)

Item #	Title	Credits
MAT 171	Precalculus Algebra	4
	Communication 1st Choice (A40350)	3

4th Semester (Fall)

Item #	Title	Credits
DFT 119	Basic CAD	2
MEC 130	Mechanisms	3
PHY 151	College Physics I	4
	Communication 2nd Choice (A40350)	3
	Social/Behavioral Sciences Choice (A40350)	3

5th Semester (Spring)

Item #	Title	Credits
ATR 112	Intro to Automation	3
ELC 128	Intro to PLC	3
ELC 213	Instrumentation	4
	Humanities/Fine Arts Choice (A40350)	3
	Work-Based Learning Choice	1
	Total Credits	66