

Facility Maintenance Technology (A50190)

Degree Type

Associate in Applied Science

Credential Number

A50190

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 112	Writing/Research in the Disc	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
HIS 111	World Civilizations I	3
HIS 112	World Civilizations II	3
HIS 131	American History I	3
HIS 132	American History II	3
POL 130	State & Local Government	3
PSY 118	Interpersonal Psychology	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

Natural Science/Math

Take 3 credits from

Item #	Title	Credits
MAT 110	Math Measurement & Literacy	3
MAT 121	Algebra/Trigonometry I	3
MAT 143	Quantitative Literacy ⁿ	3
MAT 171	Precalculus Algebra	4

Major Requirements

Required Courses

Take 17 credits from

Item #	Title	Credits
AHR 112	Heating Technology	4
AHR 120	HVACR Maintenance	2
BAT 111	Building Automation Systems	2
BPR 130	Print Reading-Construction	3
ELC 114	Commercial Wiring	4
MNT 110	Intro to Maint Procedures	2

Concentration Requirements

Take 8 credits from

Item #	Title	Credits
CAR 140	Basic Carpentry	4
PLU 115	Basic Plumbing	4

Other Major Requirements

Take 24 credits from

Item #	Title	Credits
ACA 115	Success & Study Skills	1
ACA 122	College Transfer Success	1
AHR 160	Refrigerant Certification	1
ATR 112	Intro to Automation	3
CAR 110	Introduction to Carpentry	2
CAR 111	Carpentry I	8
CAR 112	Carpentry II	8
CAR 113	Carpentry III	6
CAR 114	Residential Bldg Codes	3
CAR 115	Res Planning/Estimating	3
CAR 150	Concrete Construction	5
CIS 110	Introduction to Computers	3
CIS 111	Basic PC Literacy	2
DFT 111	Technical Drafting I	2
DFT 111A	Technical Drafting I Lab	1
DFT 119	Basic CAD	2
DFT 151	CAD I	3
ELC 117	Motors and Controls	4
ELC 118	National Electrical Code	2
ELC 120	Intro to Wiring	3
ELC 131	Circuit Analysis I	4
ELC 132	Electrical Drawings	2
HOR 118	Equipment Op & Maint	2
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2
ISC 115	Construction Safety	2
MAS 140	Intro to Masonry	2
MEC 130	Mechanisms	3
MNT 131	Metalworking Processes	3
MNT 220	Rigging and Moving	2
PLU 110	Modern Plumbing	9
PLU 111	Intro to Basic Plumbing	2
PLU 120	Plumbing Applications	9
PLU 124	Plumbing Business Operations	2
PLU 130	Plumbing Systems	6
PLU 140	Intro to Plumbing Codes	2
PTE 110	Pathway to Employ-Construction	3
WBL 110	World of Work	1
WBL 111T	Work-Based Learning I - Technical Programs	1
WLD 110	Cutting Processes	2
WLD 112	Basic Welding Processes	2
WLD 141	Symbols & Specifications	3

Course Sequencing

1st Semester (Fall)

Item #	Title	Credits
CAR 140	Basic Carpentry	4
ELC 120	Intro to Wiring	3
WLD 110	Cutting Processes	2
PTE 110	Pathway to Employ-Construction	3
	Other Major Requirements 1st Choice (A50190)	2

2nd Semester (Spring)

Item #	Title	Credits
AHR 160	Refrigerant Certification	1
CAR 110	Introduction to Carpentry	2
	Communication 1st Choice (A50190)	3
	Natural Science/Math Choice (A50190)	3
	Social/Behavioral Sciences Choice (A50190)	3

3rd Semester (Summer)

Item #	Title	Credits
AHR 120	HVACR Maintenance	2
	Humanities/Fine Arts Choice (A50190)	3

4th Semester (Fall)

Item #	Title	Credits
ELC 131	Circuit Analysis I	4
MNT 110	Intro to Maint Procedures	2
PLU 115	Basic Plumbing	4
WLD 141	Symbols & Specifications	3
	Communication 2nd Choice (A50190)	3

5th Semester (Spring)

Item #	Title	Credits
AHR 112	Heating Technology	4
BAT 111	Building Automation Systems	2
BPR 130	Print Reading-Construction	3
ELC 114	Commercial Wiring	4
	Other Major Requirements Choice (A50190)	3
	Work-Based Learning Choice	1
	Total Credits	64