

APPLIED ENGINEERING & TECHNOLOGIES

FACILITY MAINTENANCE TECHNOLOGY

Facility Maintenance Technology – A50190

The Facility Maintenance Technology curriculum prepares individuals to repair and maintain electrical and mechanical systems and physical structures of commercial and industrial institutions. Emphasis is on multi-disciplined systems maintenance, troubleshooting, and problem resolution.

Course work includes carpentry, interior and exterior finishes, plumbing, electrical, masonry, air conditioning, heating, welding, machining, blueprint reading, building codes, and OSHA regulations, as well as computer applications.

Graduates should qualify for positions as general building mechanics or maintenance technician.

Facility Maintenance Technology: Electrical Systems Certificate – C50190A

Facility Maintenance Technology: HVACR Certificate – C50190B

Facility Maintenance Technology: Basic Plumbing Certificate – C50190C

Basic Facilities Technology I Certificate – C50190D

Basic Facilities Technology II Certificate – C50190E

Program Sequence

First Semester

AHR 113	Comfort Cooling	4
ELC 113	Residential Wiring	4
PLU 115	Basic Plumbing	4
PLU 140	Intro to Plumbing Codes.....	2
WLD 112	Basic Welding Processes.....	2

Second Semester

AHR 111	HVACR Electricity	3
AHR 112	Heating Technology	4
ELC 114	Commercial Wiring	4
ELC 127	Software for Technicians.....	2

Complete Facility Maintenance Technology: HVACR Certificate (C50190B): AHR 111, AHR 112, AHR 113, WLD 112

Complete Basic Facilities Technology I Certificate (C50190D): AHR 111, AHR 112, AHR 113, ELC 113

Complete Basic Facilities Technology II Certificate (C50190E): ELC 114, ELC 127, PLU 115, PLU 140, WLD 112

Third Semester

ENG 110	Freshman Composition	3
HUM 110	Technology and Society.....	3
PSY 118	Interpersonal Psychology.....	3

Fourth Semester

AHR 120	HVACR Maintenance	2
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BPR 130	Print Reading Construction.....	3
ISC 121	Envir Health & Safety	3
MNT 110	Intro to Maint Procedures	2
MAT 110	Math Measurement & Literacy	3

Complete Field Technician Certificate (C40420B): SRV 110, SRV 111, SRV 210, SRV 260

Fifth Semester

CAR 140	Basic Carpentry	4
MAS 140	Intro to Masonry.....	2
COM 120	Intro Interpersonal Comm.....	3
Elective List I		8
Elective List II.....		1

Complete Facility Maintenance Technology: Electrical Systems Certificate (C50190A): Choose ELC 112 + ELC 113, ELC 114, ELC 127, ISC 121

Complete Facility Maintenance Technology: Basic Plumbing Certificate (C50190C): Choose PLU 211 + ELC 127, PLU 115, PLU 140, WLD 112

Elective List I (Select 8 hours from the following courses):

AHR 133	HVAC Servicing.....	4
ELC 112	DC/AC Electricity	5
ELC 119	NEC Calculations	2
MNT 150	Basic Building Maintenance	2
PLU 120	Plumbing Applications	9
PLU 211	Commercial/Ind Plumbing	3
PLU 214	Backflow Preventer Install	2

Elective List II (Select 1 hour from the following courses):

ACA 115	Success & Study Skills.....	1
ACA 122	College Transfer Success	1
ACA 220	Professional Transitions	1
WBL 111	Work-Based Learning I.....	1

Graduation Requirements69 Credit Hours