Required Courses

Boiler Operations Certificate of Training (17 Credits)

FACM 140	Boiler Operations and Certifications	12
FACM 144	Advanced Boiler Operations	5

Total Credit Hours: 17

Program Learning Outcomes

Outcomes

Identify National Electrical Code standards, recommended practices and guides for commercial and industrial building electrical distribution
Maintain, diagnose and repair conventional building technologies and systems: wiring, heating, cooling, plumbing and ventilation systems
Operate common hand tools, electrical test equipment and power tools used in the maintenance trade in a safe and efficient manner
Read and interpret basic blueprints, shop drawings and electrical schematics
Measure, calculate and estimate needed supplies and costs
Apply safety procedures when using maintenance tools
Repair and maintain basic electrical fixtures
Follow fire prevention practices
Perform basic welding repairs

Fire Service

Program Description:

Students prepare for careers as fire fighters and closely related occupations in this program certified by the International Fire Service Accreditation Congress. Training incorporates all entry-level requirements according to nationally recognized standards. Students who choose the management option are prepared for leadership in the fire service with emphasis on the administration and management of fire service organizations. The program is intended to develop skills in critical and analytical reasoning as they apply to fire services.

CIP Code:

43.0203

For program costs and fees refer to the catalog TUITION AND FEES PAGE.

Fire Service AAS (100 Credits) - Day Program

- 6 quarter AAS
- Maximum class size: 40
- Student to Teacher ratio: 20:1
- Enrollment Point: Fall or Spring quarters
- Both a day program and night program are offered regularly.
- This program offers a combinations of hands-on, and web-enhanced courses. See course descriptions for more information.
- Student are responsible for purchasing fire fighting boots, helmets, gloves, and uniforms.
- Industry required certification exams (FFI, HazMat, and EMT) are made available to students.
- Students use industry specific equipment in the program such as; ladders, fire engines, breathing apparatus and equipment needed for structural fires.
- Bates Partners with multiple Fire Departments across the region in order to place our students in jobs and/or apprenticeships. Likewise, Bates is recognized by area agencies as a great training opportunity for their currently employed fire fighters.

General Education Requirements

5 credits from the Communications Distribution

5 credits from the Quantitative Distribution

5 credits from the Sciences and Humanities Distribution

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Required Courses

Quarter 1

FIRES 101	Orientation to Fire Service	2
FIRES 102	Firefighter Safety	4
FIRES 103	Fire Service Applications I	5
FIRES 104	Physical Fitness I	1
FIRES 106	Fire Hose and Appliances	3

GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 2

FIRES 105	Introduction to Fire Science	3
FIRES 107	Fire Service Applications II	5
FIRES 108	Physical Fitness II	1
FIRES 109	Ladders	5
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 3

FIRES 110	Intermediate Fire Service	2
FIRES 111	Fires Service Applications III	4
FIRES 112	Physical Fitness III	1
FIRES 121	Wildland Firefighter	2
FIRES 125	Fire Vehicle Operations	3
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 4

FIRES 123	Fire Service Applications IV	5
FIRES 124	Physical Fitness IV	1
FIRES 201	Rescuer Procedures	3
FIRES 202	Advanced Fire Service	3
FIRES 215	Hazardous Materials I	1

Quarter 5

FIRES 203	Fire Service Applications V	5
FIRES 204	Physical Fitness V	1
FIRES 206	Employment Preparation	2
FIRES 207	Strategy, Tactics, and Incident Management	2
FIRES 208	Fires Service Applications VI	4
FIRES 216	Hazardous Materials II	2

Quarter 6

FIRES 209	Basic Life Support	1
FIRES 225	Emergency Medical Technician (EMT)	14
OR EMS 201 Emergency Medical Tech		15 cr.

Electives

Electives

FIRES 212	Advanced Firefighter	4
FIRES 213	Physical Fitness VI	1
FIRES 220	Fire Service Applications VII	4
FIRES 222	Advanced Pump Operations	4

Total Credit Hours: 100

Fire Service AAS (100 Credits) - Evening Program

- 6 quarter AAS
- Maximum class size: 40
- Student to Teacher ratio: 20:1
- Enrollment Point: Winter and Summer quarters
- Both a day program and night program are offered regularly.
- This program offers a combinations of hands-on, and web-enhanced courses. See course descriptions for more information.
- Student are responsible for purchasing fire fighting boots, helmets, gloves, and uniforms.
- Industry required certification exams (FFI, HazMat, and EMT) are made available to students.
- Students use industry specific equipment in the program such as; ladders, fire engines, breathing apparatus and equipment needed for structural fires.
- Bates Partners with multiple Fire Departments across the region in order to place our students in jobs and/or apprenticeships. Likewise, Bates is recognized by area agencies as a great training opportunity for their currently employed fire fighters.

General Education Requirements

5 credits from the Communications Distribution

5 credits from the Quantitative Distribution

5 credits from the Sciences and Humanities Distribution

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Required Courses

Quarter 1

FIRES 101	Orientation to Fire Service	2
FIRES 102	Firefighter Safety	4
FIRES 103	Fire Service Applications I	5
FIRES 104	Physical Fitness I	1
FIRES 106	Fire Hose and Appliances	3

GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 2

FIRES 105	Introduction to Fire Science	3
FIRES 107	Fire Service Applications II	5
FIRES 108	Physical Fitness II	1
FIRES 109	Ladders	5
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 3

FIRES 110	Intermediate Fire Service	2
FIRES 111	Fires Service Applications III	4
FIRES 112	Physical Fitness III	1
FIRES 121	Wildland Firefighter	2
FIRES 125	Fire Vehicle Operations	3
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 4

FIRES 123	Fire Service Applications IV	5
FIRES 124	Physical Fitness IV	1
FIRES 201	Rescuer Procedures	3
FIRES 202	Advanced Fire Service	3
FIRES 215	Hazardous Materials I	1

Quarter 5

FIRES 203	Fire Service Applications V	5
FIRES 204	Physical Fitness V	1
FIRES 206	Employment Preparation	2
FIRES 207	Strategy, Tactics, and Incident Management	2
FIRES 208	Fires Service Applications VI	4
FIRES 216	Hazardous Materials II	2

Quarter 6

FIRES 209	Basic Life Support	1
FIRES 225	Emergency Medical Technician (EMT)	14
OR EMS 201 Emergency Medical Tech		15 cr

Electives

Electives

FIRES 212	Advanced Firefighter	4
FIRES 213	Physical Fitness VI	1

Total Credit Hours: 100

Fire Service Supervision AAS (111 Credits)

- 6 quarter AAS
- Maximum class size:
- Student to teacher ratio:
- Enrollment point:
- This degree offers a variety of modalities including face-to-face, Hybrid, Web-enhanced, and online courses. Please see course descriptions for further information.

Required Courses

Students Transferring in from Industry