



Fire Science

The Fire Science curriculum is designed to prepare the student for employment in fire service at the entry level. Students study a variety of Fire and Emergency Services topics. After two semesters, students will earn the Fire Service Diploma. Most of the diploma classes are offered completely online, allowing students to do their course-work without having to travel to campus. Only FIR 139 and FIR 143 will require some on-site skills completion.

The AAS degree is based on the model curriculum from the Fire and Emergency Services Higher Education which is endorsed by the National Fire Academy.

Selected arts and sciences courses included as degree requirements are related to the firefighting field and will provide the student a broad base upon which to make rational decisions during emergency operations.



Where will this take me?

- Certified Firefighter working:
- Ambulance Services
- Fire Stations
- Industry
- Property Protection Systems

Instructor and Staff

Tina Young - Coordinator of Emergency Response Programs, ext. 5101
Email: tyoung@scciaowa.edu
Paramedic Specialist, Southeastern Community college

Career Outlook

- Median wages (2013): \$19.43 hourly, \$40,400 annually
- Projected growth 2012-2022: 5% to 7%



Fire Science

Online (May require some skills completion on West Burlington Campus)

Associate of Applied Science Degree Requirements

Fall Semester I		Lec.	Lab.	Credit
FIR-127	Fire Behavior and Combustion	3	0	3
*FIR-139	Fire Fighter I	3	2	4
FIR-213	Principles of Emergency Services	3	0	3
FIR-214	Legal Aspects of the Emergency Services	3	0	3
MAT-702	Introduction to Math Applications	2	2	3
		<u>14</u>	<u>4</u>	<u>16</u>

Spring Semester I		Lec.	Lab.	Credit
ENG-105	Composition I	3	0	3
FIR-124	Building Construction	3	0	3
FIR-130	Fundamentals of Fire Prevention	3	0	3
*FIR-143	Fire Fighter II	2	2	3
FIR-152	Fire Protection Systems	3	0	3
FIR-200	Occupational Safety & Health in Emergency Services	3	0	3
		<u>17</u>	<u>2</u>	<u>18</u>

Program Total 34

Fire Service Diploma Awarded

Fall Semester II		Lec.	Lab.	Credit
FIR-145	Fire Strategy and Tactics	3	0	3
FIR-180	Chemistry of Hazardous Materials	3	0	3
FIR-226	Fire Administration I	3	0	3
FIR-400	Fire & Emergency Services Safety & Survival	3	0	3
PSY-102	Human and Work Relations <i>or</i>	3	0	3
PSY-111	Introduction to Psychology	3	0	3
		<u>15</u>	<u>0</u>	<u>15</u>

Spring Semester II		Lec.	Lab.	Credit
EMS-201	Emergency Medical Technician	5	2	7
HUM-114	Multicultural Perspectives	3	0	3
PHI-105	Introduction to Ethics	3	0	3
		<u>11</u>	<u>2</u>	<u>13</u>

Program Total 62

* May require some skills completion on-site; contact coordinator of Emergency Response Programs for more information.

Office of Enrollment Services

866-SCC-IOWA

admissions@scciowa.edu

West Burlington Campus

319-208-5010

Keokuk Campus

319-313-1923