

# FIRE SERVICE TECHNOLOGY - ASSOCIATE OF ARTS (AA)

Explore More About This Program: <http://cwi.edu/program/fire-service-technology>

- **Program Code:** FST.AA
- **Program Type:** Academic Transfer
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

## Degree Quick Facts

- **Instructional School:** Social Sciences and Public Affairs
- **Department:** Public Safety

## Degree Requirements

Course	Course Title	Min Credits
<b>General Education Requirements</b> <sup>1</sup>		
CWI 101	Connecting With Ideas	3
<u>Global Perspectives course</u>		3
<u>GEM 1 - Written Communication course</u>		3
<u>GEM 1 - Written Communication course</u>		3
<u>GEM 2 - Oral Communication course</u>		2-3
<u>GEM 3 - Mathematical Ways of Knowing course</u>		3
Select one of the following options (GEM 4):		4
CHEM 100 & 100L	Concepts of Chemistry and Concepts of Chemistry Lab	
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Lab	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab	
<u>GEM 4 - Scientific Ways of Knowing course</u> <sup>2</sup>		3-4
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u>		3
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u> <sup>2</sup>		3
PSYC 140	Human Relations for Career and Personal Success (GEM 6)	3
<u>GEM 6 - Social &amp; Behavioral Ways of Knowing course</u> <sup>2</sup>		3
<b>Major Requirements</b>		
FIRE 110	Physical Fitness for Firefighters <sup>3</sup>	1
Select one of the following options:		12
<i>Fire Service Technology Option 1</i> <sup>4</sup>		
FIRE 101	Fire Fighter	
<i>Fire Service Technology Option 2</i> <sup>4</sup>		
FIRE 120	Principles of Emergency Services	
FIRE 200	Building Construction for Fire Protection	
FIRE 210	Fire Behavior and Combustion	
FIRE 220	Principles of Safety and Survival for Fire and Emergency Services	
FIRE 230	Fire Prevention	3
FIRE 240	Fire Protection Systems	3
Select one of the following: <sup>5</sup>		3
FIRE 160 & FIRE 165 & FIRE 170	Work Experience I and Work Experience II and Work Experience III	
FIRE 290	Fire Service Capstone	
Electives	Elective credit to bring the total credits earned to 60, if needed <sup>3</sup>	1-2
<b>Minimum Credit Hours Required</b>		<b>60</b>

- <sup>1</sup> Students must select an "E" designated course to fulfill one of their general education requirements
- <sup>2</sup> Course must come from a different discipline.
- <sup>3</sup> FIRE 110 Physical Fitness for Firefighters may be repeated for up to three credits and is recommended to fulfill any remaining elective credits needed to complete this program.
- <sup>4</sup> The Associate of Arts degree offers two options for completion:
  - **Fire Service Technology Option 1** requires completion of FIRE 101 Fire Fighter, which involves classroom instruction, hands-on demonstrations, and participation in live burns. Additionally, upon successful completion of FIRE 101, students are afforded an opportunity to take the IFSAC Firefighter I exam, proctored by Idaho Fire Science Technology.
  - **Fire Service Technology Option 2** provides a classroom learning experience for students of all ages and abilities without skills manipulation or live burn participation.
- <sup>5</sup> The option to take FIRE 160, FIRE 165, and FIRE 170 *instead of* FIRE 290 is **only available** to students who choose to complete **Fire Service Technology Option 1** and successfully pass FIRE 101. Please refer to the Work Experience course descriptions for further information. (Students who choose to complete **Fire Service Technology Option 2** will need to take FIRE 290.)

## Degree Plans

*The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this plan.*

*NOTE: The required general education courses may be completed during any semester the student prefers, including summer semesters.*

**The Fire Service Technology Associate of Arts degree offers two options for completion:**

**Fire Service Technology Option 1** requires completion of FIRE 101 Fire Fighter, which involves classroom instruction, hands-on demonstrations, and participation in live burns. Additionally, upon successful completion of FIRE 101, students are afforded an opportunity to take the IFSAC Firefighter I exam, proctored by Idaho Fire Science Technology. *NOTE: The choice to complete FIRE 160, FIRE 165, and FIRE 170 instead of FIRE 290 is only available to students who select this option and successfully pass FIRE 101.*

**Fire Service Technology Option 2** provides a classroom learning experience for students of all ages and abilities without skills manipulation or live burn participation.

Select the appropriate Degree Plan below based on which option you would prefer.

### Degree Plan: Fire Service Technology Option 1 (w/ Work Experience Courses)

#### First Year

Summer		Credit Hours
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) <sup>1</sup>	3
<b>Total Semester Credit Hours</b>		<b>6</b>

#### Fall

FIRE 101	Fire Fighter	12
FIRE 110	Physical Fitness for Firefighters	1
GEM 3 - Mathematical Ways of Knowing course		3
<b>Total Semester Credit Hours</b>		<b>16</b>

#### Spring

COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) <sup>1</sup>	3
ENGL 102	Writing and Rhetoric II (Recommended GEM 1) <sup>1</sup>	3
FIRE 160	Work Experience I	1
FIRE 240	Fire Protection Systems	3
PSYC 140	Human Relations for Career and Personal Success (GEM 6)	3
Select one of the following options (GEM 4):		4
GEM 4 Option 1:		
CHEM 100	Concepts of Chemistry (GEM 4)	
CHEM 100L	Concepts of Chemistry Lab (GEM 4)	
GEM 4 Option 2:		

CHEM 101	Introduction to Chemistry	
CHEM 101L	Introduction to Chemistry Lab	
GEM 4 Option 3:		
CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
<b>Total Semester Credit Hours</b>		<b>17</b>
<b>Second Year</b>		
<b>Summer</b>		
FIRE 165	Work Experience II	1
POLS 101	American National Government (Recommended GEM 6) <sup>1,2</sup>	3
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
<b>Total Semester Credit Hours</b>		<b>7</b>
<b>Fall</b>		
FIRE 170	Work Experience III	1
FIRE 230	Fire Prevention	3
GEM 4 - Scientific Ways of Knowing course <sup>2</sup>		3-4
GEM 5 - Humanistic & Artistic Ways of Knowing course <sup>2</sup>		3
Global Perspectives course		3
Electives	Select 1-2 elective credits to bring the total credits earned to 60, if needed <sup>3</sup>	1-2
<b>Total Semester Credit Hours</b>		<b>14</b>
<b>Minimum Credit Hours Required</b>		<b>60</b>

**\*Students must select an "E" designated (Ethical Reasoning) course to fulfill one of their General Education requirements.\***

<sup>1</sup> This course is recommended to fulfill the applicable general education requirement for students in the Fire Service Technology program. **Please note that students may fulfill their GE requirements by completing another course from within the applicable general education category.**

<sup>2</sup> Course must come from a different discipline.

<sup>3</sup> FIRE 110 Physical Fitness for Firefighters may be repeated for up to three credits and is recommended to fulfill any remaining elective credits needed to complete this program.

## Degree Plan: Fire Service Technology Option 1 (w/ Capstone Course)

<b>First Year</b>		<b>Credit Hours</b>
<b>Summer</b>		
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) <sup>1</sup>	3
<b>Total Semester Credit Hours</b>		<b>6</b>
<b>Fall</b>		
FIRE 101	Fire Fighter	12
FIRE 110	Physical Fitness for Firefighters	1
GEM 3 - Mathematical Ways of Knowing course		3
<b>Total Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) <sup>1</sup>	3
ENGL 102	Writing and Rhetoric II (Recommended GEM 1) <sup>1</sup>	3
FIRE 240	Fire Protection Systems	3
PSYC 140	Human Relations for Career and Personal Success (GEM 6)	3
Select one of the following options (GEM 4):		4
GEM 4 Option 1:		
CHEM 100	Concepts of Chemistry (GEM 4)	
CHEM 100L	Concepts of Chemistry Lab (GEM 4)	
GEM 4 Option 2:		
CHEM 101	Introduction to Chemistry	
CHEM 101L	Introduction to Chemistry Lab	

GEM 4 Option 3:		
CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
<b>Total Semester Credit Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Summer</b>		
POLS 101	American National Government (Recommended GEM 6) <sup>1,2</sup>	3
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u>		3
<b>Total Semester Credit Hours</b>		<b>6</b>
<b>Fall</b>		
FIRE 230	Fire Prevention	3
FIRE 290	Fire Service Capstone	3
<u>GEM 4 - Scientific Ways of Knowing course</u> <sup>2</sup>		3-4
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u> <sup>2</sup>		3
<u>Global Perspectives course</u>		3
Electives	Select 1-2 elective credits to bring the total credits earned to 60, if needed <sup>3</sup>	1-2
<b>Total Semester Credit Hours</b>		<b>16</b>
<b>Minimum Credit Hours Required</b>		<b>60</b>

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<sup>2</sup> Course must come from a different discipline.

<sup>3</sup> FIRE 110 Physical Fitness for Firefighters may be repeated for up to three credits and is recommended to fulfill any remaining elective credits needed to complete this program.

## Degree Plan: Fire Service Technology Option 2

### First Year

		Credit Hours
<b>Summer</b>		
COMM 101	Fundamentals of Oral Communication (Recommended GEM 2) <sup>1</sup>	3
CWI 101	Connecting With Ideas	3
<b>Total Semester Credit Hours</b>		<b>6</b>
<b>Fall</b>		
ENGL 101	Writing and Rhetoric I (Recommended GEM 1) <sup>1</sup>	3
FIRE 110	Physical Fitness for Firefighters	1
FIRE 120	Principles of Emergency Services	3
FIRE 200	Building Construction for Fire Protection	3
PSYC 140	Human Relations for Career and Personal Success (gem 6)	3
<u>GEM 3 - Mathematical Ways of Knowing course</u>		3
<b>Total Semester Credit Hours</b>		<b>16</b>

### Spring

ENGL 102	Writing and Rhetoric II (Recommended GEM 1) <sup>1</sup>	3
FIRE 210	Fire Behavior and Combustion	3
FIRE 220	Principles of Safety and Survival for Fire and Emergency Services	3
FIRE 240	Fire Protection Systems	3
Select one of the following options (GEM 4):		4

#### GEM 4 Option 1:

CHEM 100	Concepts of Chemistry (GEM 4)
CHEM 100L	Concepts of Chemistry Lab (GEM 4)

#### GEM 4 Option 2:

CHEM 101	Introduction to Chemistry
CHEM 101L	Introduction to Chemistry Lab

## GEM 4 Option 3:

CHEM 111	General Chemistry I	
CHEM 111L	General Chemistry I Lab	
<b>Total Semester Credit Hours</b>		<b>16</b>

**Second Year****Summer**

POLS 101	American National Government (Recommended GEM 6) <sup>1,2</sup>	3
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u>		3
<b>Total Semester Credit Hours</b>		<b>6</b>

**Fall**

FIRE 230	Fire Prevention	3
FIRE 290	Fire Service Capstone	3
<u>GEM 4 - Scientific Ways of Knowing course</u> <sup>2</sup>		3-4
<u>GEM 5 - Humanistic &amp; Artistic Ways of Knowing course</u> <sup>2</sup>		3
<u>Global Perspectives course</u>		3
Electives	Select 1-2 elective credits to bring the total credits earned to 60, if needed <sup>3</sup>	1-2
<b>Total Semester Credit Hours</b>		<b>16</b>
<b>Minimum Credit Hours Required</b>		<b>60</b>

**\*Students must select an "E" designated (Ethical Reasoning) course to fulfill one of their General Education requirements.\***

<sup>1</sup> This course is recommended to fulfill the applicable general education requirement for students in the Fire Service Technology program. **Please note that students may fulfill their GE requirements by completing another course from within the applicable general education category.**

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<sup>3</sup> FIRE 110 Physical Fitness for Firefighters may be repeated for up to three credits and is recommended to fulfill any remaining elective credits needed to complete this program.

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Develop knowledge of the history, structure, and culture of the fire service.
- Develop knowledge of the regulations and laws pertinent to the fire service.
- Develop knowledge of fire behavior.
- Develop knowledge of firefighting tools and tactics.
- Develop knowledge of building construction and its role in firefighting.
- Develop knowledge of safety, prevention, fire protection, and/or health measures related to the fire service.
- Demonstrate the required knowledge and skills to succeed as an entry-level fire fighter.
- Demonstrate the skills and abilities required to succeed in the fire service over time.
- Demonstrate the high standards of ethical behavior required of a fire fighter.
- Demonstrate lifestyle behaviors required for a successful career as a fire fighter (e.g., regular exercise, participation in community service activities, lifelong learning, etc.).