



FIRE SCIENCE CERTIFICATE - FST7

The Fire Science Certificate provides instruction in fire prevention methodology, fire detection systems, fire codes, fire investigation, rescue, safety and salvage procedures, hazardous materials, and fire behavior and extinguishment. This program assists in qualifying firefighters for management positions within fire service.

*****Please note that FST7 program courses are only offered to Dual Enrollment Students.**

*****Please note that FST courses are only offered to Dual Enrollment Students.**

Requirements

Courses	Course Title	Credit Hours
Required Course Information		
AHS 114	Basic First Aid	1
EMS 105	Emergency Medical Care I	4
EMS 106	Emergency Medical Care II	4
FST 102	Firefighter I Basic	3
FST 103	Firefighter I Advanced	5
FST 104	Firefighter II	3
Subtotal		20
Total Hours		20

*****Please note that FST courses are only offered to Dual Enrollment Students.**

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
FST 102	Firefighter I Basic	3
FST 103	Firefighter I Advanced	5
FST 104	Firefighter II	3
Hours		11

Spring Semester

AHS 114	Basic First Aid	1
EMS 105	Emergency Medical Care I	4
EMS 106	Emergency Medical Care II	4
Hours		9
Total Hours		20

Spring Start

Course	Title	Hours
First Year		
Spring Semester		
FST 102	Firefighter I Basic	3

FST 103	Firefighter I Advanced	5
FST 104	Firefighter II	3
Hours		11

Summer Semester

AHS 114	Basic First Aid	1
EMS 105	Emergency Medical Care I	4
EMS 106	Emergency Medical Care II	4
Hours		9
Total Hours		20

Summer Start

Course	Title	Hours
First Year		
Summer Semester		
AHS 114	Basic First Aid	1
EMS 105	Emergency Medical Care I	4
EMS 106	Emergency Medical Care II	4
Hours		9
Fall Semester		
FST 102	Firefighter I Basic	3
FST 103	Firefighter I Advanced	5
FST 104	Firefighter II	3
Hours		11
Total Hours		20

Program Notes

*****Please note that FST courses are only offered to Dual Enrollment Students.**

Physical health screening and immunization must be submitted at least **30 days prior to the first day of class**. Sports physicals for high school students are also acceptable.

CPR must be completed prior to the first day of class. Students will need CPR/AED/First Aid card that does not expire before the program ends.

Some online, independent-study coursework must be completed prior to starting the program in August. Please contact the program coordinator for more information.

Notes About Individual Classes

EMS coursework requires RDG 100 or test score equivalent or exemption.

FST courses are only offered to Dual Enrollment students.

Program Student Learning Outcomes Purpose Statement

To prepare students for entry level and career advancement in the fire service by educating them in the fundamental concepts of professionalism, communication, problem solving, teamwork, and hands-on training for a successful career in the fire service.

Program Student Learning Outcomes

1. Students will acquire the skills and knowledge required to assess and manage patients of all ages with a variety of complaints, medical conditions, and traumatic injuries as an EMT/firefighter.
2. The students will demonstrate and employ the professional attributes expected of the EMT/firefighter.
3. Students will perform and demonstrate the roles and responsibilities of an EMT/firefighter with regard to personal safety and wellness, as well as safety of others.
4. The student will perform the duties of an EMT/firefighter with regard for medical-legal and ethical issues, function successfully under supervision/direction, and within the scope of practice.
5. Develop an awareness of the entrance requirements for careers in the emergency medical and fire services.
6. Students will apply critical thinking skills necessary to utilize appropriate strategies and tactics to safely manage incidents in emergency medical and fire service operations.