

Education, Human & Protective Services

**GUIDED PATHWAY: FIRE PROTECTION AND SAFETY TECHNOLOGY
(AAS, Certificate)**For more information, visit www.laredo.edu/ and your academic advisor.

This is an example course sequence for students interested in pursuing a degree in Fire Protection and Safety Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate in Applied Science (AAS) degree in Fire Protection and Safety Technology. For official degree requirements, [click here](#).

The AAS degree in Fire Protection and Safety Technology offers a flexible hybrid program for students interested in the fire service or related roles. Today's fire professionals do more than fight fires. The fire science field has evolved to offer challenging opportunities that focus on various career interests. Whether you want to be involved in prevention, response, or investigation, students with an AAS degree will have a competitive edge and the skills needed for a successful future in the fire service. Coursework includes classroom and laboratory experiences to introduce the student to various aspects of fire protection. In addition, students will learn technical and administrative skills such as hazardous materials, fire protection systems, fire suppression, law, and codes.

Visit www.laredo.edu/pathways to view guided pathways created for students who complete an AAS degree and the options for transfer. Speak with an academic advisor at your college to choose courses that will help you to transfer to a specific university

**COLLEGE READINESS REQUIREMENTS (only for the AAS)**

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

READING & WRITING PLACEMENT

TSI MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

 INRW _____ OTHER: _____**MATH PLACEMENT**

TSI MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

 DEV MATH _____ OTHER: _____**ENGLISH LANGUAGE PROFICIENCY**

TSI MET: YES NO

IF NO, ADVISOR INSERT COURSE(S) NEEDED

 ESOL _____ OTHER: _____

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Prerequisites				ACTION ITEMS
			MATH 1314 - College Algebra	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or instructor to research your career options.
			BIOL 2301- Anatomy & Physiology I (lecture)	
			BIOL 2101- Anatomy & Physiology I (lab)	
TOTAL SEMESTER CREDIT HOURS: 7				
D	CI	SEMESTER 1		ACTION ITEMS
◆	◆		FIRT 1301 - Fundamentals of Fire Protection	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or instructor to research your career options.
◆	◆		FIRS 1301 - Fire Certification I	
◆	◆		FIRS 1407 - Fire Certification II	
◆	◆		FIRS 1313 - Fire Certification III	
◆	◆		FIRS 1319 - Fire Certification IV	
TOTAL SEMESTER CREDIT HOURS: 16				
D	CI	SEMESTER 2		ACTION ITEMS
◆	◆		FIRS 1323 - Fire Certifications V	<input type="checkbox"/> Meet with your advisor to file and official degree plan, confirm or update your academic/career path and program of study.
◆	◆		FIRS 1329 - Fire Certifications VI	
◆	◆		FIRS 1433 - Fire Certifications VII	
◆	◆		FIRT 1353 - Legal Aspects of Fire Protection	
◆	◆		FIRT 1338 - Fire Protection Systems	
TOTAL SEMESTER CREDIT HOURS: 16				
D		SEMESTER 3		ACTION ITEMS
◆			FIRT 1319 - Firefighter Health and Safety	<input type="checkbox"/> Meet with a career advisor or instructor to research your career options.
◆			FIRT 1327 - Building Construction in the Fire Service	
◆			FIRT 1315 - Hazardous Materials I	
◆			FIRT 1333 - Fire Chemistry I	
TOTAL SEMESTER CREDIT HOURS: 12				
D		SEMESTER 4		ACTION ITEMS
◆			SPCH 1315 - Public Speaking	After reviewing your degree plan and program of study apply for graduation.
◆			ENGL 1301- Composition I	
◆			LPC X3XX- Language, Culture and Philosophy/Creative Arts	
TOTAL SEMESTER CREDIT HOURS: 9				

Certification and Licensure Information

Fire Fighter I, Fire Fighter II, Hazardous Materials Awareness, Hazardous Materials Operations

Career Information

Common Job Titles

Firefighter, Oil and Gas Firefighter, Fire Inspector, Building Code Official, Fire Protection Consultant, Fire Prevention Officer, Safety Engineer, as well as career opportunities with emergency service departments, governmental agencies, private corporations, and similar industries.

Regional Labor Market Information

A firefighter's salary can vary greatly depending on different factors such as education, certifications, skills, experience, employer & location.

The City of Laredo Fire Department is the largest fire department within a 150 miles radius. Their salary is based on rank and time in grade. The following information was gathered from the Collective Bargaining Agreement by and between the City of Laredo and the Laredo Fire Fighters Association, Local 872, effective October 1, 2018, through September 30, 2022. Rank is obtained by testing through Civil Service when eligible. For example, upon the City of Laredo Fire Academy graduation, a cadet must wait a period of two years before being eligible to test for promotion to the next rank of assistant driver. Below is a base salary chart for ranks of Cadet- Assistant Fire Chief.

Fire Suppression Annual Base Rate

Position	Current Annual Rate beginning 10/1/2021
Cadet	\$57,473.83
Firefighter	\$70,947.41-\$74,124.74
Assistant Driver	\$79,835.93
Driver	\$83,714.26
Captain	\$95,360.71- \$100,520.32
District Chief	\$111,482.36-\$116,523
Deputy Marshal	\$131,036.78-\$137,684.17
Assistant Fire Chief	\$151,865.27

In addition to the wage rates, a firefighter is paid for the successful completion of credit hours and degrees offered in the Fire Science Divisions of Laredo College and/or from a college or university accredited by the Southern Association of Colleges and Schools.

Career and labor market research tools

Bureau of Labor Statistics: <https://www.bls.gov/ooh/protective-service/firefighters.htm>

Career Resources: Laredo College career services website provides information on career exploration and employment at http://www.laredo.edu/cms/LCC/Student_Services/Student_Success_Center/Employment_Assistance_Service/Career_Preparation/. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an LC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Associate of Applied Science in Fire Protection and Safety Technology prepares students to enter the workforce directly. However, a Bachelor of Applied Arts and Sciences (BAAS) or Bachelor of Science (BS) is an excellent alternative to complete (or exceed minimal standards of) the educational requirement for some positions within the Fire Service or other related fields.

Additional Transfer Resources: Laredo College transfer website provides information on additional colleges & universities: http://www.laredo.edu/cms/LCC/Student_Services/Student_Success_Center/Student_Success_Center_2018/Academic_Advising/WP2018_-_Transfer_Resources/. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at LC will apply toward their bachelor's degree program.