

FIRE SCIENCE, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #2072

Effective May 2024

Division of Health and Wellness Sciences (<http://catalog.lorainccc.edu/academic-programs/allied-health-nursing-health-physical-education-recreation/>)

The fire science program offers career opportunities in forestry, insurance, state, county and local government and in the fire service. (For fire department employment, Civil Service requirements may apply.) Lorain County Community College has articulation agreements with colleges and universities including programs offered by Lorain County Community College's University Partnership.

Students must be certified as Firefighter II in the State of Ohio to be admitted into the Fire Science program.

Students certified as Firefighter I and/or II in the State of Ohio entering the Fire program will receive prior learning credit for the preadmission courses.

Preadmission Courses

Preadmission Courses	Hours
FIRE 127 FIREFIGHTER ORIENTATION	1
FIRE 131 FIREFIGHTING LEVEL I	2
FIRE 132 FIREFIGHTING LEVEL II	2
FIRE 218 HAZARDOUS MATERIALS OPERATIONS	1
FIRE 299 INDIVIDUALIZED STUDIES IN FIRE SCIENCE	3
Hours	9

First Year

Fall Semester

ENGL 161 COLLEGE COMPOSITION I	3
FIRE 111 INTRODUCTION TO FIRE SERVICE	3
FIRE 125 FIRE BEHAVIOR AND COMBUSTION	2
Select one of the following:	3
MTHM 158 QUANTITATIVE REASONING	
MTHM 168 STATISTICS	
PHLY 171 INTRODUCTION TO LOGIC	
PEWL 151 STRESS MANAGEMENT	1
SDEV 101 INTRODUCTION TO THE LCCC COMMUNITY ²	1
Hours	13

Spring Semester

BIOG 221 ANATOMY & PHYSIOLOGY I or PSSC 153 or PHYSICAL SCIENCE	4
CISS 121 MICROCOMPUTER APPLICATIONS I	3
FIRE 112 BUILDING DESIGN AND CONSTRUCTION	3
FIRE 134 FIRE PROTECTION HYDRAULICS AND WATER SUPPLY	2
Hours	12

Second Year

Fall Semester

CMMC 151 ORAL COMMUNICATION	3
FIRE 136 STRATEGY AND TACTICS ¹	3
FIRE 229 FIRE PROTECTION SYSTEMS	2
PLSC 155 STATE AND LOCAL GOVERNMENT	3
Arts and Humanities Elective ³	3
Hours	14

Spring Semester

FIRE 130 EMERGENCY SERVICES SAFETY AND SURVIVAL	2
FIRE 224 LEGAL CONCEPTS FOR EMERGENCY SERVICES	3
FIRE 227 FIRE PREVENTION	3
FIRE 228 FIRE AND EMERGENCY SERVICE ADMINISTRATION ¹	2
PSYH 151 INTRODUCTION TO PSYCHOLOGY or SOCY 151G or INTRODUCTION TO SOCIOLOGY	3
Hours	13
Total Hours	61

1

Indicates that this course has a prerequisite.

2

A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

3

Select any Arts and Humanities Ohio Transfer 36 (<http://catalog.lorainccc.edu/academic-information/transfer-module-requirements/>) course.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling/>).

More program information can be found on our website.
(<https://www.lorainccc.edu/human-social-services/public-safety/associate-of-applied-science-in-fire-science/>)

Fire Science Program

The successful completion of the following program leads to the conferral of the associate of applied science degree. Fire science is available through the Health and Wellness Sciences division. In all associate of applied science and one-year technical certificate programs, students are **REQUIRED** to attend lecture, college laboratories and off-campus facilities. Transportation to and from off-campus facilities is the responsibility of students and is not provided by the College.

The fire science curriculum is offered in the evenings and online. The program is designed for students currently certified as firefighters in the State of Ohio.

Credit for Prior Learning (PLA) options may be available for your program.

For more information, please visit our website: www.lorainccc.edu/PLA
(<http://www.lorainccc.edu/PLA/>)

Program Learning Outcomes

1. Exhibit an understanding of basic principles of firefighter life safety initiatives.
2. Identify, examine and apply current and emerging concepts and practices in Fire and Emergency Services
3. Understand the responsibilities of fire prevention, inspections and public relations.
4. Demonstrate an understanding of the administrative workings of a fire department including budget preparation, resource allocation, long-range planning, and fiscal projections.