

# FIRE SCIENCE, ASSOCIATE OF APPLIED SCIENCE

Curriculum Code #2072

Effective May 2023

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 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 II in the State of Ohio entering the Fire program will receive prior learning credit for the Preadmission courses listed below.

## Preadmission Courses

Preadmission Courses	Hours
FIRE 111 INTRODUCTION TO FIRE SERVICE	3
FIRE 127 FIREFIGHTER ORIENTATION	1
FIRE 132 FIREFIGHTING LEVEL II	2
FIRE 134 FIRE PROTECTION HYDRAULICS AND WATER SUPPLY	2
FIRE 218 HAZARDOUS MATERIALS OPERATIONS	1
<b>Hours</b>	<b>9</b>

## First Year

### Fall Semester

ENGL 161 COLLEGE COMPOSITION I	3
FIRE 125 FIRE BEHAVIOR AND COMBUSTION	2
MTHM 168 STATISTICS	3
PSSC 153 PHYSICAL SCIENCE	4
SDEV 101 INTRODUCTION TO THE LCCC COMMUNITY <sup>2</sup>	1
<b>Hours</b>	<b>13</b>

### Spring Semester

CISS 121 MICROCOMPUTER APPLICATIONS I	3
CMMC 151 ORAL COMMUNICATION	3
FIRE 112 BUILDING DESIGN AND CONSTRUCTION	3
PEWL 151 STRESS MANAGEMENT	1
PSYH 151 INTRODUCTION TO PSYCHOLOGY	3
or SOCY 151G or INTRODUCTION TO SOCIOLOGY	
<b>Hours</b>	<b>13</b>

## Second Year

### Fall Semester

FIRE 130 EMERGENCY SERVICES SAFETY AND SURVIVAL	2
FIRE 136 STRATEGY AND TACTICS <sup>1</sup>	3

FIRE 210 HAZARDOUS MATERIALS CHEMISTRY	2
FIRE 229 FIRE PROTECTION SYSTEMS	2
PLSC 155 STATE AND LOCAL GOVERNMENT	3
Humanities Elective	3

**Hours 15**

### Spring Semester

FIRE 120 FIRE INVESTIGATION I <sup>1</sup>	3
FIRE 224 LEGAL CONCEPTS FOR EMERGENCY SERVICES	3
FIRE 227 FIRE PREVENTION	3
FIRE 228 FIRE AND EMERGENCY SERVICE ADMINISTRATION <sup>1</sup>	2-3
or PBAD 151 or INTRODUCTION TO PUBLIC ADMIN	
FIRE 240 EMERGENCY SERVICES OCCUPATIONAL HEALTH AND SAFETY	2

**Hours 13-14**

**Total Hours 63-64**

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.

Program Contact(s):

**Dawn Sgro**

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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.

## 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.