

# FIRE SCIENCE - GENERALIST, BS

## Program Description

This emphasis is designed for students preparing for professional fire service positions in public and private sectors. The emphasis is designed to provide the student with a working knowledge of the many different areas of the fire service, giving the students the ability to function in fire departments and participate in fire prevention and investigation divisions. Students in this emphasis will complete the requirements for Firefighter I and II state certifications established by the Michigan Firefighters Training Council.

## Program Learning Outcomes

- **Use of Evidence (UE)** – Graduates of the Fire Science programs will complete a Senior research project that demonstrates professional level inquiry, analysis, and presentation of a relevant issue in the field of criminal justice.
- **Analysis and Synthesis (AS)** – Graduates of the Fire Science programs will demonstrate professional level critical thinking and problem solving skills.
- **Professional Responsibility (PR)** – Graduates of the Fire Science programs will demonstrate professional responsibility in teamwork, civic engagement, intercultural knowledge and competence, ethical reasoning, and practical applications of those responsibilities while interning in a professional setting, student projects, and group work.

## Degree Requirements

Code	Title	Hours
<b>Major Requirements</b>		
CJUS 341	Fire Cause/Arson Investigation	3
CJUS 345	Stats & Design/Public Safety	4
FIRE 101	Introduction to Fire Science	3
FIRE 111	Hazardous Materials	3
FIRE 197	Physical Fitness Public Safety	1
FIRE 198	Seminar I	1
FIRE 199	Seminar II	1
FIRE 201	Fire Protection Const Concepts	3
FIRE 204	Fire Protectn Hydraulics/Pumps	3
FIRE 206	Fire Protect Sys/Equip/Ind Pro	3
FIRE 211	Tactics & Strategy	3
FIRE 219	Firefighter Essentials	3
FIRE 220	Fire Science Certification	4
FIRE 299	Seminar III	1
FIRE 301	Code Enforce Inspect/Fire Prev	3
FIRE 309	Fire-Related Human Behavior	3
FIRE 312	Hazardous Materials Management	4
FIRE 315	Company Level Supervision/Mgmt	3
FIRE 399	Seminar IV	1
FIRE 401	Senior Seminar	3
FIRE 402	Fire Service and the Law	3
FIRE 403	Fire Science Internship	3-9

### Electives

**Total Hours** 59-65

**Minor or Paramedic License (20 credits)** Students may complete an approved minor. The minor must be an approved minor other than Fire Science.

**Note: A minimum of 24 credits of 300/400 level coursework is required for graduation.**

**General Education:** All LSSU bachelor's degree candidates must complete the LSSU General Education Requirements.

**A minimum of 124 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is also required in your Major, as well as in your General Education Requirements.**