

BACHELOR OF SCIENCE IN FIRE SCIENCE

PROTECTING SOCIETY IS MORE THAN A CAREER—IT'S A CALLING

The field of fire science demands dedicated professionals equipped with the expertise and experience to take on new challenges, lead others, and serve the public. Purdue University Global's bachelor's degree offers in-depth knowledge of rapidly changing technologies, tactics, and procedures, with a focus on interagency coordination, fire incident command, arson investigation, and life safety education. The degree program is closely based on the Fire and Emergency Services Higher Education (FESHE) curriculum model and is accredited by the International Fire Service Accreditation Congress (IFSAC).

WHY STUDY FIRE SCIENCE AT PURDUE GLOBAL?

ONLINE FLEXIBILITY FOR WORKING ADULTS

Earn your degree 100% online, on your schedule. This program is ideal if you're in the fire science or emergency management field and work unconventional hours. You can also visit one of our regional locations to take advantage of local, onsite support and services.

FACULTY ARE EXPERTS IN THE FIELD

Learn from experienced professionals with a variety of backgrounds in public safety, emergency management, and firefighting. Many currently work in fire safety—they understand your career requirements and the challenges you face.

CREDIT FOR YOUR EXPERIENCE AND INDUSTRY CERTIFICATIONS

Receive credit for previously completed courses, professional learning, and certifications.¹ We work closely with fire academies and fire service associations to make earning your degree as affordable and efficient as possible.

INTRODUCTORY TRIAL PERIOD

Make sure online learning at Purdue Global is right for you. Enroll in the University and try our classes for 3 weeks before you owe any tuition. That's the Purdue Global Commitment.²

IAFF PARTNERSHIP AND TUITION REDUCTION

Purdue Global partners with the International Association of Fire Fighters (IAFF) to provide members, staff, and immediate family members a significant tuition reduction.³



Recognized by the U.S. Fire Administration as an Official **FESHE** Institution



IFSAC Accredited Program

TAKE THE NEXT STEP IN YOUR CAREER AND YOUR EDUCATION

Prepare for Leadership Opportunities

A bachelor's degree could help current fire service professionals advance to higher-level positions in fire departments and private industry. A bachelor's degree in fire science or a related field is now required for many management or supervisory roles.⁴

Accelerated Master's Degree Option

Our flexible degree pathways allow you to work toward a Purdue Global master's degree in public administration, human services, legal studies, or psychology while you earn your bachelor's degree.⁵

Gain the Skills and Knowledge That Employers Demand

- **Fire foundations**—Gain a deep understanding of how building construction impacts firefighter safety, building codes and inspections, firefighting strategy, and fire prevention.
- **Analytical approaches**—Utilize scientific methods and reasoning for purposes of fire protection and investigation.
- **Firefighting strategy and technology**—Master the tactics and technology of firefighting as they apply to fire defense planning and methods of fire attack.
- **Fire investigation and analysis**—Explore fire dynamics, flame spread, and incident investigation, plus the technical, legal, and social aspects of arson.
- **Principles of emergency services**—Discover career opportunities in the industry as well as multiagency planning and disaster response.
- **Psychology**—Analyze fire-related human behavior and the psychological effects of fire dynamics.

CURRICULUM

The courses focus on fire protection and investigation, disaster and fire defense planning, hazardous materials management, fire protection structure and system design, and the role of the fire service within the community. The curriculum is reviewed and revised continually by industry experts to ensure it reflects the most recent developments and technical advances in the field.

MAJOR COURSES INCLUDE

- **Fire Behavior and Combustion**
- **Building Construction for Fire Protection**
- **Fire Protection Hydraulics and Water Supply**
- **Fire Protection Systems**
- **Strategy and Tactics**
- **Occupational Safety and Health for Emergency Services**
- **Legal Aspects of Emergency Services**
- **Fire Investigation and Analysis**
- **Advanced Principles of Firefighter Safety and Survival**
- **Community Risk Reduction for Fire and EMS**
- **Fire Prevention Organization and Management**
- **Leadership and Management**
- **Safety Risk Management for Fire and EMS**
- **Personnel Management for Fire and EMS**

Capstone Course

A final, hands-on capstone allows you to build your resume, gain real-world skills, and put your knowledge into action.

PROGRAM DETAIL

Credit Hours: 180

Program Length: 2–4 years⁶

Course Load: 1–2 courses per term

Terms: 10 weeks long

Start Dates: Throughout the year

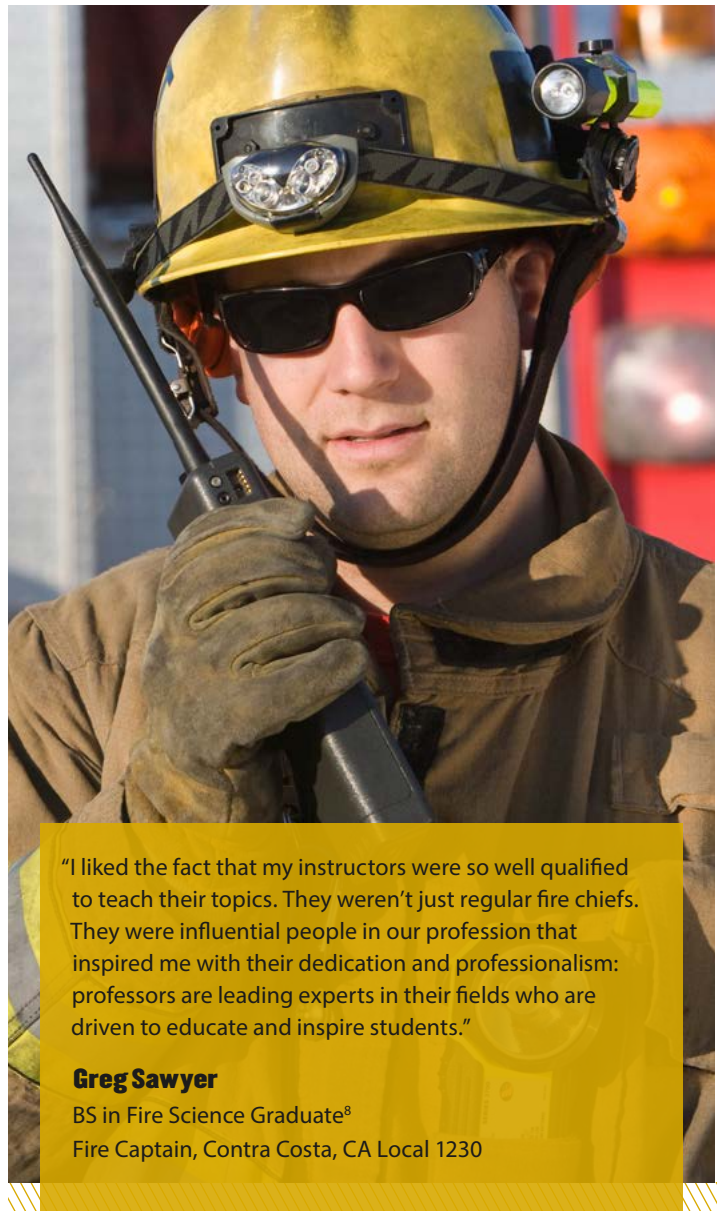
Delivery: 100% online

ADDITIONAL PROGRAMS

- Bachelor of Science in Fire and Emergency Management
- Master of Science in Homeland Security and Emergency Management
- Master in Public Administration

NATIONALLY RANKED AND RESPECTED

Purdue Global is part of the respected Purdue University system. One of the most prestigious research universities in the world, Purdue University is ranked in the top 10 best public universities in the U.S. by *The Wall Street Journal/Times Higher Education*.⁷



"I liked the fact that my instructors were so well qualified to teach their topics. They weren't just regular fire chiefs. They were influential people in our profession that inspired me with their dedication and professionalism: professors are leading experts in their fields who are driven to educate and inspire students."

Greg Sawyer

BS in Fire Science Graduate⁸

Fire Captain, Contra Costa, CA Local 1230

CAREER AND NETWORKING OPPORTUNITIES

INDUSTRY OUTLOOK⁹

- The field is growing: employment of **fire inspectors and investigators** is projected to grow faster than the average from 2016 to 2026. Job prospects for **firefighters** will also be good in that time frame.
- Many departments require a bachelor's degree for positions higher than battalion chief.

CAREER PATHWAYS AND OUTCOMES⁴

Roles

- Firefighter/firefighting manager
- Fire inspector/investigator
- First line supervisor
- Fire safety director
- Fire prevention educator
- Fire protection sales agent
- Deputy or assistant chief
- Fire chief

Settings/Industries

- Fire stations/departments
- Private industry fields such as insurance companies

Note: Additional academy training and education may be required for firefighting or emergency management jobs.

CAREER SERVICES

Our Career Specialists connect you with job and networking opportunities and offer the following assistance:

- Career assessment/exploration
- Resume and cover letter review
- Interview preparation/mock interviews
- Portfolio development to showcase your skills
- Assistance in building an online presence
- Job search and networking support
- Virtual career fairs
- 24/7 online access to job openings and career development tools

Purdue Global Is Accredited by The Higher Learning Commission

This accreditation covers all academic programs, all regional locations, and all programs provided via distance education. Contact the HLC at HLCcommission.org or call 800-621-7440.

Military Friendly

We offer reduced tuition rates for servicemembers, veterans, and spouses.

This accolade was awarded prior to the March 2018 purchase of Kaplan University by Purdue University and subsequent creation of Purdue University Global. Purdue Global cannot guarantee future accolades.



Contact an Admissions Advisor at **844-PURDUE-G** or visit **www.PurdueGlobal.edu**.

IMPORTANT INFORMATION: PLEASE READ

For comprehensive consumer and gainful employment information, visit Info.PurdueGlobal.edu.

- 1 Purdue Global does not guarantee transferability of credit from any of these sources. See the University Catalog for Prior Learning Assessment policy.
- 2 Classes count toward a degree if satisfactorily completed. No credits are earned if the student withdraws during the introductory period (3 weeks for new qualifying undergraduate students), which begins day one of the first term. Students who choose to continue their studies at Purdue Global will need to meet specific requirements. Graduate programs not included. Additional terms may apply to international and non-U.S. citizen students. For further information, see the University Catalog.
- 3 May not be combined with Purdue Global scholarships, grants, military tuition reductions, tuition vouchers, or other discounts or Tuition Cap or ExcelTrack™ pricing.
- 4 Purdue Global cannot guarantee employment or career advancement. In addition, job titles and responsibilities may vary from organization to organization.
- 5 The University cannot guarantee that students will be granted admission to any future programs. Speak to an Advisor about transfer credit opportunities and see the University Catalog for the Prior Learning Assessment policy.
- 6 Purdue Global online bachelor's degree students who graduated in the 2017–2018 academic year and applied eligible external (transfer, experiential, or credit by exam) credits earned an average of 82 credits or 8 terms toward their total degree. This excludes undergraduate nursing students. Term estimates are based on completion of two 5- or 6-credit courses per term. Individual credits earned will vary. Please see the University Catalog for Purdue Global's Prior Learning Assessment policy. Source: Purdue Global Office of Records Analysis and Reporting.
- 7 Source: www.timeshighereducation.com/rankings/united-states/2018. Rankings apply to Purdue University – West Lafayette and not to Purdue Global.
- 8 This testimonial was obtained by Kaplan University. Purdue University acquired Kaplan University in March 2018 and created Purdue University Global, which is following the same curriculum format and instructional delivery methods as developed and used by Kaplan University. The views and opinions expressed are those of the individual; student experiences may vary.
- 9 Source: U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook*, Firefighters, Fire Inspectors. National long-term projections may not reflect local and/or short-term economic or job conditions, and do not guarantee actual job growth.