

**PROFICIENCY AWARD**  
(AWARDED BY THE DEPARTMENT)  
**USLA LIFEGUARD ACADEMY I**

This proficiency award recognizes the completion of the Oxnard College Lifeguard Academy I, a 90-hour introductory level course for aspiring emergency responders interested in career opportunities as Open Water Aquatic Rescuers either within lifeguard agencies or the fire service. This rigorous academy includes lecture and hands-on training in the ocean environment and follows the United States Lifesaving Association required course curriculum for Aquatic Rescue Response Teams and Open Water Lifeguard Certification. The course will include training in marine weather, aquatic hazards, communications, lifesaving rescue techniques, specialized equipment use, night rescues, medical aid, lifesaving history and aquatic agency career paths. To successfully complete the academy students must be athletically fit with strong swimming skills.

Required Core Course	Units
FT R090 USLA Lifeguard Academy I	3
<b>Total Required Units for the Award</b>	<b>3</b>

**Program Student Learning Outcomes**

Upon successful completion of the Proficiency Award in USLA Lifeguard Academy I students will be able to:

- Complete the USLA swim test of 500 meters in less than 10 minutes.
- Perform open water rescue.
- Recognize and execute hand signals used during ocean rescues.

**FIRE TECHNOLOGY COURSES**

**FT R090 USLA Lifeguard Academy I 3 Units**

*Hours:* 2 lecture, 3 lab weekly  
*Limitations:* Valid CPR card (BLS) Healthcare provider, Swim Test Completion 500 yards within 12 minutes, and an Advanced First Aid card

The Oxnard College Lifeguard Academy is a 90 hour introductory level course for aspiring emergency responders interested in career opportunities as Aquatic Rescuers either within lifeguard agencies or the fire service. This rigorous academy includes lecture and hands on training in the ocean environment and follows the United States Lifesaving Association required course curriculum for Aquatic Rescue Response Teams and Open Water Lifeguard Certification. The course will include training in marine weather, aquatic hazards, communications, lifesaving rescue techniques, specialized equipment use, night rescues, medical aid, lifesaving history and aquatic agency career paths. To successfully complete the academy, students must be athletically fit with strong swimming skills. *Field trips may be required. Applies to Associate Degree.*

*Transfer credit: none*

**FT R098 Short Courses in Fire Technology 1 - 10 Units**

*Hours:* 1 - 10 lecture weekly  
Specialized workshops designed to update firefighting personnel as required for in-service training requirements in specific subject matter areas. Unit credit determined by length of instruction of the workshop as defined by current credit standards; total workshop credit limited to 10 units. *Field trips may be required. Applies to Associate Degree.*

*Transfer credit: none*



\* Required courses are marked with an asterisk (\*) below for the ASSOCIATE IN SCIENCE DEGREE, or CERTIFICATE OF ACHIEVEMENT in Fire Technology. However, FT R151 is not required for those employed in the Fire Service, although the 30-unit college requirement must be met.

**FT R151\* Fire Protection Organizations 3 Units**

Hours: 3 lecture weekly

This course provides an introduction to fire protection and career opportunities in fire protection and related fields. Students will examine the philosophy and history of fire protection; fire loss analysis; the organization and function of public and private fire protection services; fire departments as part of local government; and the laws and regulations affecting the fire service. Fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, an introduction to fire protection systems and fire strategy and tactics will also be covered. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R152\* Fire Prevention Technology 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course provides fundamental information regarding the history and philosophy of fire prevention and the organization and operation of a fire prevention bureau. Students will examine the use of codes, the identification and correction of fire hazards, the components of detection and suppression systems, and the relationship of fire prevention with fire safety education. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R154\* Fire Behavior and Principles of Combustion 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course covers the theory of how fires start, spread and are controlled; the fundamentals of fire behavior in an open and closed environment; an in-depth study of fire chemistry and physics; burn characteristics of materials; and techniques for controlling fires through the use of a variety of proven and newly developed extinguishing agents.

Transfer credit: **CSU**

**FT R155\* Fire Protection Equipment and Systems 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151  
C-ID: FIRE 120X

This course provides information relating the features of design and operation of fire detection, fire suppression and fire alarm systems, including heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers.

Transfer credit: **CSU**



**FT R157 Wildland Fire Control 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course is designed to provide the employed Firefighter or Fire Technology major with a fundamental knowledge of the factors affecting wildland fire behavior, fire prevention, and fire suppression techniques. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R158\* Principles of Fire and Emergency Services; Safety and Survival 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for emergency and non-emergency situations. The course curriculum is to be guided by NFPA standards, such as National Fire Protection Association 1500, Fire Department Occupational Health and Safety Programs. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R160\* Fire Tactics and Strategies 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course introduces the student to the principles of fire control through utilization of fire fighters, equipment, and extinguishing agents on the fire ground and in the fire simulator room. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R161\* Building Construction for Fire Protection 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course covers the fundamentals of building construction as they relate to fire protection. It focuses on classification by occupancy and types of construction, with emphasis on fire protection features, including building equipment, facilities, fire resistive materials and high-rise considerations. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations and operating at emergencies. *Field trips may be required. Applies to Associate Degree.*

Transfer credit: **CSU**

**FT R167\* Fire Equipment and Apparatus 3 Units**

Hours: 3 lecture weekly  
Prerequisites: FT R151

This course will introduce the student to concepts related to fire service hand tools, fuel powered equipment, electric powered equipment and hydraulic powered equipment. Maintenance, safety and uses of this equipment will be covered in detail. Identification and typing of pumping apparatus and aerial ladder apparatus will be presented.

Transfer credit: **CSU**

## FT R170 Firefighter I Academy 19 Units

*Hours:* 10 lecture, 27 lab weekly  
*Prerequisites:* FT R151 and EMT R169  
*Advisories:* FT R154 and FT R161 and FT R167

The Oxnard College Regional Fire Academy (OCRFA) provides the skills and knowledge needed for the entry level firefighter, career or volunteer, to perform duties safely, effectively, and competently. The seven overarching themes of the California State Fire Fighter I curriculum are: General knowledge germane to the profession, fire department communications, fireground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD. All exams require an 80% passing grade for all academic and manipulative tests per State Fire Marshal requirements. Students are expected to obtain all required uniforms and safety equipment. State certification costs are the responsibility of the student. *Field trips are required. Applies to Associate Degree.*

*Transfer credit:* **CSU**

### Note: FT 170 Firefighter I Academy

The Oxnard College Regional Fire Academy, OCRFA, is an Accredited Regional Training Program, ARTP, as identified by California State Fire Training. The Academy was officially re-accredited in January 2015, with the Firefighter 2013 curriculum serving as the primary source of instructional material. The Fire Academy offers 18 units, meeting 512 hours over 64 instructional periods, 0700-1700. FT R170 units are degree applicable. Strenuous physical fitness is a daily activity.

Admission to the Fire Academy is open to all eligible students and is very competitive. A point rating system is used during the cadet selection process. Explanations regarding this process can be accessed from the "Apply to the Academy" link found on the Oxnard College Fire Academy home page. Prerequisites to apply consist of a valid NREMT or California EMT Certification, successful completion of FT R151 Introduction to Fire Protection Organizations, a Medical Clearance, and a Lung Function (Spirometry) Test. Academy applications are comprehensive and will only be accepted if complete.

## FT R180 Wildland Fire Academy 7.5 Units

*Hours:* 5 lecture, 7.5 lab weekly  
*Prerequisites:* FT R151 and EMT R079

This course provides the entry level student with the fire behavior knowledge and firefighting skills relevant to basic incident command, wildland firefighting positions, basic crew configurations, firefighter safety in wildland environments, tool, equipment and fundamental water handling, and wildland suppression strategy and tactics. Portable pumps and chainsaws are studied at length, as well as basic tools for land navigation. Leadership values and principles, transition challenges for new leaders, situational leadership, team building and ethical decision making is integrated throughout the course. Students are expected to obtain all required uniforms and safety equipment. State certification costs are the responsibility of the student. Medical clearance is required. *Field trips are required.*

*Transfer credit:* **CSU**

### NOTE: FT R180 Wildland Fire Academy

The Oxnard College Wildland Fire Academy follows the California State Fire Training (SFT) and the National Wildfire Coordinating Group (NWCG) requirements. Admission to the Wildland Fire Academy is open to all eligible students.

## GEOGRAPHIC INFORMATION SYSTEMS

For more information, contact:

Jim Danza (805) 678-5209 [jdanza@vcccd.edu](mailto:jdanza@vcccd.edu)

### GIS COURSE

## GIS R106 Introduction to Geographic Information Systems and Techniques 3 Units

*Hours:* 2 lecture, 3 lab weekly  
*C-ID:* GEOG 155

This course introduces students to computer-based Geographic Information Systems (GIS), and its applications to spatial data management as a tool to understand the world by describing and explaining the human relationship to the physical environment. Topics include assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Hands-on exposure to spatial analysis and modeling with GIS through the use of computers is provided during the laboratory. (Same as GEOG R106.) *Field trips may be required. Applies to Associate Degree.*

*Transfer credit:* **CSU, UC**

## GEOGRAPHY

Geography is an integrative discipline that brings together the physical and human dimensions of the world in the study of people, places and environment. As a spatial study, its subject matter is Earth's surface and the processes that shape it, the relationships between people and environments, and the connections between people and places. That knowledge, in turn, provides a basis for humans to cooperate in the best interests of our planet. Geography provides students with skills for the workplace and skills for civic decision-making. Events around the world affect jobs and business at home. By learning geography, thoroughly, students come to understand the connections and relationships among themselves and people, places, and environments across the world. Geography is concerned with understanding the spatial dimension of human experience (space and place).

For more information, contact:

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### ASSOCIATE IN ARTS FOR TRANSFER GEOGRAPHY

The Associate in Arts in Geography for Transfer (Geography AA-T) is intended for students who plan to complete a bachelor's degree in a "similar" major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to [adegreeewithaguarantee.com](http://adegreeewithaguarantee.com) and seek guidance from an Oxnard College counselor. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. See page 68 for more information.