FT R151 – Fire Equipment and Apparatus 3 Units
Prerequisites: FT R151 or concurrent enrollment
3 hours lecture weekly
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

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 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 R170 – Firefighter I Academy 18 Units
Prerequisites: EMT R169 and FT R151
Advisories: FT R154, FT R161, and FT R167
Limitations: Admission to the fire academy, medical clearance, and lung function (spirometry) test.
Hours: 10 lecture, 24 lab weekly
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, firefighting 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 will be required.
Transfer credit: CSU

GENERAL STUDIES
See pages 47-49 for Degree Requirements

GEORGIC INFORMATION SYSTEMS

COURSE DESCRIPTIONS

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 GIS, Geographic Information Systems, 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.
Transfer credit: CSU

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).

CAREER OPPORTUNITIES

(Most careers require a bachelor’s or advanced degrees)
Climatologist Park Ranger
Conservationist Remote Sensing Analyst
Economic Geographer Transportation Analyst
Geo-Demographer Urban Planner
G.I.S. Analyst Wildlife Manager
Land-Use Analyst

FACULTY

Full-Time
James Danza

◆ GEOGRAPHY

Associate in Arts for Transfer

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. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. See page 63 for additional information.
The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an “AA-T” or “AS-T” major as detailed in the Course and Program Information section of the catalog. All courses in the major must be completed with a grade of C or better or a “P” if the course is taken on a “pass-no pass” basis (Title 5 § 55063).
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE-Breadth) (see page 68 for more information); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern (see page 75 for more information).
5. Complete requirements in residency. For students in the Ventura County Community College District, a minimum of 12 units must be completed in residency at the college granting the degree.

Students transferring to a CSU campus that does accept the Geography AA-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major at a particular campus). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The following CSU campuses have designated at least one major as “similar” to the Geography AA-T. Some campuses may also require or recommend specific course selections from choices within the AA-T. Please see a counselor or adegreewithaguarantee.com for a comprehensive list of these designated majors and areas of emphasis/ options within the Geography major.

California State University, Chico
California State University, Dominguez Hills
California State University, East Bay
California State University, Fresno
California State University, Fullerton
Humboldt State University
California State University, Long Beach
California State University, Los Angeles
California State University, Monterey Bay
California State University, Northridge
California State Polytechnic University, Pomona
California State University, Sacramento
California State University, San Bernardino
San Diego State University
San Francisco State University
San José State University
California State Polytechnic University, San Luis Obispo
Sonoma State University
California State University, Stanislaus

REQUIRED CORE COURSES (7 UNITS):  UNITS
GEOG R101  Elements of Physical Geography  3
GEOG R101L  Physical Geography Lab  1
GEOG R105  Introduction to Human Geography  3

LIST A - SELECT 6 UNITS FROM THE FOLLOWING:
GEOG R102  World Regional Geography  3
GEOG R103  Introduction to Weather and Climate  3
GEOG R104  Geography of California  3

LIST B - SELECT 6 UNITS FROM THE FOLLOWING:
ANTH R102/H  Introduction to Cultural Anthropology/Honors  3
BIOL R101  General Biology  3
GEOL R101  Physical Geology  3
Any course not selected above from List A  3

TOTAL REQUIRED MAJOR UNITS  19

CSU General Education or IGETC Pattern 37-39
Double-Counted Units (10-16)
Electives (CSU transferable units needed to reach 60) 12-20

DEGREE TOTAL  60

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of the Geography program students will be able to:

- Interpret Earth’s dynamic physical processes and identify their spatial distribution as they relate to the biodiversity and productivity of ecosystems.
- Identify and critically analyze patterns of human-environment interactions, including perception and use of natural resources.
- Apply geospatial technologies to the analysis of maps, graphs and spatial data sets.
- Display written competency in the description and analysis of geographic subject matter.
- Acquire knowledge and skills sufficient to allow one to pursue advanced study in geography or find employment in a geography-related field.
- Demonstrate familiarity with the application of geography in everyday life.

COURSE DESCRIPTIONS

GEOG R101 – Elements of Physical Geography  3 Units
Hours: 3 lecture weekly
C-ID: GEOG 110
This course is an introduction to physical geography as a spatial study which investigates the “human/environment” interaction process incorporating the elements of the atmosphere, lithosphere, hydrosphere, and biosphere. Global environmental issues will also be reviewed. Field trips may be required. Transfer credit: CSU, UC

GEOG R101L – Physical Geography Lab  1 Unit
Prerequisites: GEOG R101 or concurrent enrollment
Hours: 3 lab weekly
C-ID: GEOG 111
This laboratory is designed to accompany GEOG R101. It introduces the global physical world, its dynamics and spatial relationships. This lab features observation, measurement and analysis of basic principles and concepts pertaining to Earth’s physical systems, including the atmosphere, hydrosphere, lithosphere and biosphere. Field trips will be required. Transfer credit: CSU, UC
GEOG R102 – World Regional Geography 3 Units
Hours: 3 lecture weekly
C-ID: GEOG 125
This course introduces the regional approach to the study of human geography and the world’s major culture realms. Interpreting the cultural landscape employs the essential concepts in a geographic survey of the world in spatial terms, places and regions, the physical environment, and society and environment interactions. Field trips may be required.
Transfer credit: CSU, UC

GEOG R103 – Introduction to Weather and Climate 3 Units
Hours: 3 lecture weekly
C-ID: GEOG 130
An introduction to the Earth’s atmosphere, the methods employed in analyzing and understanding weather phenomena are investigated in this course. Global changes in climate patterns, human modification, and impact of weather systems are also examined. Field trips may be required.
Transfer credit: CSU, UC

GEOG R104 – Geography of California 3 Units
Hours: 3 lecture weekly
C-ID: GEOG 140
This course examines the physical and cultural environments of California’s diverse landscapes, including landforms, climate, natural vegetation, natural resources, economic activities and historical settlement in the Golden State. Special emphasis is given to the human landscape of Southern California. Field trips may be required.
Transfer credit: CSU, UC

GEOG R105 – Introduction to Human Geography 3 Units
Hours: 3 lecture weekly
C-ID: GEOG 120
This course introduces the topical approach to the study of human geography, the characteristics of culture groups, and the distribution and migration of human populations on Earth’s surface. Special attention will be given to sustainability and its role in the social construction of spaces and places through the diffusion of religions, languages, food production, geopolitical conflicts and human-environmental interactions. Field trips may be required.
Transfer credit: CSU, UC

GEOG 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 GIS, Geographic Information Systems, 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 GIS R106.) Field trips may be required.
Transfer credit: CSU

GEOL R101 – Physical Geology 3 Units
Hours: 3 lecture weekly
C-ID: GEOL 100
This course is a survey of the Earth and the processes that shape it. The course offers an overview of earthquakes, volcanism, plate tectonics, mountain building, weathering, erosion, soil, origin of minerals and rocks, and water and energy resources. Field trips may be required. Course is offered Pass/No Pass (P/NP) at student’s option.
Transfer credit: CSU, UC