

Pre-approved CREC electives

Courses associated with the Environmental Planning minor

LAEP1040 - Introduction to Environmental Planning and Sustainable Development (BLS) - 3cr.
LAEP5300 - GIS for Environmental Planning - 4cr.
LAEP5380 - Planning Methods - 3cr.
CMST4260 - Environmental Communication - 3cr.
LAEP5370 - City and Regional Planning (CI) - 3cr.
LAEP6750 - Implementation and Regulatory Techniques in Planning - 3cr.
PHIL3530 - Environmental Ethics (DHA) - 3cr.
PSC5760 - Climate and Climate Change (DSC)(QI) - 3cr. *
SOC4620 - Sociology of the Environment and Natural Resources (DSS) - 3cr.

Courses associated with the Environmental Studies minor

APEC3012 - Introduction to Natural Resource Economics (DSS) - 3cr. *
ENVS3300 - Fundamentals of Natural Resource Recreation Management - 3cr.
ENVS3320 - Archaeology of Climate Change (DSS) - 3cr.
ENVS3400 - Fundamentals of Tourism - 3cr.
ENVS3500 - Environmental Data Science (QI) - 3cr. *
ENVS3600 - Living with Wildlife (DSC) - 3cr. *
ENVS4000 - Human Dimensions of Natural Resource Management (DSS) - 3cr.
ENVS4020 - Foundations of Environmental Thought (DHA/CI) - 3cr.
ENVS4030 - Building Community Environmental Resilience - 3cr.
ENVS4130 - Natural Resource Recreation Policy and Planning - 3cr. *
ENVS4200 - Sustainability Metrics - 3cr.
ENVS4250 - Advanced Internship/Co-op - 1cr.
ENVS4500 - Advanced Natural Resource Recreation Management (CI) - 3cr.
ENVS4700 - Communicating Sustainability (CI) - 3cr.
ENVS4950 - Special Topics - 1cr.
ENVS4960 - Directed Readings - 1cr.
ENVS5000 - Environmental Nonprofit and Volunteer Management - 3cr.
ENVS5020 - Human Dimensions of Fire Management - 3cr.
ENVS5100 - Introduction to Modeling Human-Environment Systems - 3cr.
ENVS5200 - Anthropological Perspectives on Conservation - 3cr. *
ENVS5320 - Water Law and Policy in the United States - 3cr.
ENVS5350 - Ecological Economics - 3cr.
ENVS5550 - Sustainability: Concepts and Measurement - 3cr.
ENVS5600 - Natural Resource Interpretation - 3cr. *
ENVS5750 - Global Change Ecology - 3cr.
ENVS5800 - Environment and Society Departmental Colloquium - 1cr.
GEOG2800 - Introduction to Geographic Information Sciences - 4cr. *
GEOG3100 - Human-Environment Geography (CI) - 3cr.
GEOG3200 - Principles of Remote Sensing - 3cr. *
GEOG5120 - Environment and Development in Latin America (CI) - 3cr.
GEOG4210 - Geography of Utah - 3cr.
GEOG5400 - Natural Hazards and Society - 3cr.

Courses for the Applied GIS certificate the classes are here:

GEOG5500 - Advanced Geographic Information Sciences (GIS) - 3cr. *
GEOG4910 - Geographic Information Science Portfolio - 1cr. *
GEOG3700 - Python Programming for GIS - 3cr. *
GEOG5300 - Geospatial Analysis with R - 3cr.
WILD5750 - Applied Remote Sensing - 3cr.
CEE2240 - Engineering Surveying - 3cr.
DATA5300 - Database Management - 3cr. *
GEOG3200 - Principles of Remote Sensing - 3cr. *
GEOG3700 - Python Programming for GIS - 3cr.
GEOG3800 - Geospatial Data Visualization - 3cr. *
GEOG4900 - GIS Individual Projects - 1cr.
GEOG4920 - GIS Internship - 1cr.
GEOG5300 - Geospatial Analysis with R - 3cr.
GEOG5805 - Introduction to Geospatial AI: The Remote Sensing and GeoAI Frontier - 3cr. *
LAEP5400 - Advanced Geospatial Analysis and Visualization for Environmental Planning - 4cr.
STAT1080 - Foundations of Data Science (QL) - 3cr.
STAT5410 - Applied Spatial Statistics - 2cr.
CEE5003 - Remote Sensing of Land Surfaces - 3cr. **OR** PSC5003 - Remote Sensing of Land Surfaces - 3cr.
UAS3010 - Unmanned Aircraft System Introduction to Remote Pilot Certification - 3cr.
WILD5750 - Applied Remote Sensing - 3cr.

Courses associated with the Courses associated with the Geology minor

GEO1010 - Introduction to Geology (BPS) - 3cr. *
OR GEO1060 - Introduction to Environmental Geoscience (BPS) - 3cr. *
OR GEO1110 - Physical Geology (BPS) - 3cr.
OR GEO1360 - Planet Earth (BPS) - 3cr. *
GEO1115 - Physical Geology Laboratory - 1cr.
GEO2200 - The Earth Through Time - 3cr.
GEO2205 - Earth Through Time Laboratory - 1cr.
GEO1110 Physical Geology (BPS) is preferred.

Courses associated with the Fisheries Science minor

WATS3100 - Fish Ecology, Conservation, and Management (CI/DSC) - 3cr.
WATS3110 - Fish Ecology, Conservation, and Management Lab - 1cr.
WATS3700 - Fundamentals of Watershed Science (CI) - 3cr.
WATS5200 - Fish Habitats - 2cr.
WATS5305 - Ecology and Restoration of Plants - 3cr.
WATS5500 - Limnology: Ecology of Inland Waters - 3cr.
WATS5540 - Ichthyology - 4cr.
WATS5550 - Freshwater Invertebrates - 3cr.
*WILD3810 - Wildlife Population Ecology - 3cr. *

Courses associated with the Marine science minor

WATS2500 - Introduction to Marine Biology (BLS) - 3cr.
WATS3000 - Oceanography (DSC) - 3cr.

OR GEO3300 - Geology of the World's Oceans (DSC) - 3cr.
WATS3100 - Fish Ecology, Conservation, and Management (CI/DSC) - 3cr.
WATS3110 - Fish Ecology, Conservation, and Management Lab - 1cr.
GEO3550 - Sedimentation and Stratigraphy - 4cr.
GEOG5400 - Natural Hazards and Society - 3cr.
PSC2000 - The Atmosphere and Weather (BPS) - 3cr.
WATS3450 - Introduction to Coral Reefs-Field Course (DSC) - 3cr.
WATS4050 - Marine Global Change: Impacts and Conservation Strategies - 3cr.
WATS5305 - Ecology and Restoration of Plants - 3cr.
WATS5360 - Wetland Ecology and Management - 3cr.
WATS5500 - Limnology: Ecology of Inland Waters - 3cr.

Courses associated with the Recreation Resource Management minor

ENVS3300 - Fundamentals of Natural Resource Recreation Management - 3cr.
ENVS4130 - Natural Resource Recreation Policy and Planning - 3cr. *
ENVS4500 - Advanced Natural Resource Recreation Management (CI) - 3cr.
ENVS5600 - Natural Resource Interpretation - 3cr. *
ENVS4130 - Natural Resource Recreation Policy and Planning - 3cr.
ENVS4500 - Advanced Natural Resource Recreation Management (CI) - 3cr.
ENVS4920 - Special Projects in Natural Resource Recreation Management - 3cr.
ENVS5020 - Human Dimensions of Fire Management - 3cr.
ENVS5600 - Natural Resource Interpretation - 3cr. *

Courses associated with the Soil science minor

PSC3000 - Fundamentals of Soil Science - 4cr.
PSC4500 - Urban Soil Management and Reclamation - 3cr. *
PSC5710 - Irrigated Soils - 3cr.
PSC5050 - Principles of Environmental Soil Chemistry - 3cr.
PSC5130 - Soil Genesis, Morphology, and Classification - 4cr.
PSC5310 - Soil Microbiology - 3cr.
WILD/PSC5350 - Wildland Soils - 3cr.
PSC5530 - Soil Health and Fertility (QI) - 3cr.
PSC5560 - Analytical Techniques for the Soil Environment - 3cr.
PSC5670 - Environmental Soil Physics - 4cr.
PSC5740 - Environmental Quality: Soil and Water (CI) - 2cr.

Courses associated with the Watershed Science minor

WATS3700 - Fundamentals of Watershed Science (CI) - 3cr.
WATS5490 - Small Watershed Hydrology (QI) - 4cr.
WATS5530 - Water Quality and Pollution - 3cr. *
GEO3600 - Geomorphology - 4cr.
WATS5305 - Ecology and Restoration of Plants - 3cr.
WATS5500 - Limnology: Ecology of Inland Waters - 3cr.

Courses associated with the Wildlife Science minor

WILD3300 - Wildlife Behavior - 3cr. *
WILD5560 - Applied Avian Ecology (CI) - 3cr. **OR** BIOL5560 - Ornithology - 3cr. *

WILD4500 - Principles of Wildlife Management - 3cr. *
WILD3880 - Genetics in Conservation and Management - 3cr. *
BIOL5570 - Herpetology - 3cr.
BIOL5580 - Mammalogy - 3cr.

Some other options:

APEC 2900 – Agricultural and Natural Resource Law – 3 cr.
CMST4260 - Environmental Communication - 3cr.
WILD3300 - Wildlife Behavior - 3cr. *
BIOL5560 - Ornithology - 3cr.
WILD4500 - Principles of Wildlife Management - 3cr. *
WILD3880 - Genetics in Conservation and Management - 3cr. *
BIOL5570 - Herpetology - 3cr.
BIOL5580 - Mammalogy - 3cr.
WATS3100 - Fish Ecology, Conservation, and Management (CI/DSC) - 3cr.
WATS3110 - Fish Ecology, Conservation, and Management Lab - 1cr.
WATS3700 - Fundamentals of Watershed Science (CI) - 3cr.
WATS5200 - Fish Habitats - 2cr.
WATS5305 - Ecology and Restoration of Plants - 3cr.
WATS5500 - Limnology: Ecology of Inland Waters - 3cr.
WATS5540 - Ichthyology - 4cr.
WATS5550 - Freshwater Invertebrates - 3cr.
WILD5300 - Human-Wildlife Interactions - 3cr. *
WILD3800 - Wildland Plants and Ecosystems - 4cr. *
WILD 3830 - Rangeland plant identification and taxonomy – 3cr, *
WILD3820 - Forest Plants: Identification, Biology, and Function - 3cr.
WILD3100 - Introduction to Wildland Fire - 3cr.
WILD 3500 – Introduction to Range Management
WILD 3600 – Advanced Plant Identification
WILD 4550 – Wildlife Law Enforcement – 3 cr.
WILD/PSC 5350 - Wildland Soils
WILD5100 - Forests and Fuels Measuring & Modeling - 3cr.
WILD5700 - Forest Assessment and Management (CI) - 3cr.
ADVS2080 - Beef Production Practices - 3cr.
OR ADVS2090 - Sheep Production Practices - 3cr.
OR WILD5340 - Range Ruminant Nutrition and Management - 3cr.
PSC5130 - Soil Genesis, Morphology, and Classification - 4cr.
WILD - Forest Entomology and Pathology- 3cr.
WILD4000 - Principles of Rangeland Management - 3cr.
WILD4910 - Vegetation Resource Management and Planning (CI) - 3cr.
BIOL4400 - Plant Physiology (QI) - 4cr.
POLS 4820 - Natural Resources and Environmental Policy – 3 cr.
PSC3500 - Structure and Function of Plants - 3cr.
PSC5550 - Fundamentals of Integrated Weed Management - 4cr.
PSC4320 - Forage Production and Pasture Management - 3cr.
LAEP5370 - City and Regional Planning (CI) - 3cr.
PHIL3530 - Environmental Ethics (DHA) - 3cr.

PSC2620 - Woody Plant Materials: Trees and Shrubs for the Landscape - 3cr.

GEOG 5815: Insights from Above: Processing and Analyzing Drone Data, 1 cr, Online *

GEOG 5890: Project Design and Implementation for Remote Sensing & GeoAI , 1-6 credits, online

GEOG/NR 5825: Geospatial AI ethics and Society, 1 credit, online *

GEOG 4900: GIS Individual Projects, 3 credits

GEOG 4920: GIS Internship, 1-6 credits

High level courses (5000-level and above): BIOL prefix courses, WILD prefix courses, WATS prefix course, ENVS prefix courses, PSC prefix courses will likely be approved.

*Indicates online availability