2026-27 Catalog	Equivalent Course(s) From Previous Catalogs
• EESC 100 - Earth Systems Science Units: 4 ; Breadth Area: GE-5A, GE-5C	• GEOL 100 - Earth Systems Science Units: 4 ; Breadth Area: GE-B1, GE-B3; Sustainability
• EESC 101 - Introduction to the Earth Sciences Units: 3 ; Breadth Area: GE-5A	• GEOL 101 - Introduction to the Earth Sciences Units: 3 ; Breadth Area: GE-B1; Sustainability
• EESC 102 - Earth Sciences Laboratory Units: 1 ; Breadth Area: GE-5C	• GEOL 102 - Earth Sciences Laboratory Units: 1 ; Breadth Area: GE-B3
• EESC 120 - Human Geography: Diversity and Globalization Units: 3 ; Breadth Area: GE-4	• GEOG 120 - Human Geography: Diversity and Globalization Units: 3 ; Breadth Area: GE-4
• EESC 121 - Environmental Challenges of the 21st Century Units: 3 ; Breadth Area: GE-4; Sustainability	• ENVT 101 - Environmental Challenges of the 21st Century Units: 3 ; Breadth Area: GE-4; Sustainability
• EESC 125 - World Regions and Development Units: 3 ; Breadth Area: GE-4	• GEOG 125 - World Regions and Development Units: 3 ; Breadth Area: GE-4
• EESC 130 - Introduction to Oceanography Units: 3 ; Breadth Area: GE-5A	• GEOL 120 - Introduction to Oceanography Units: 3 ; Breadth Area: GE-B1; Sustainability
• EESC 133 - Introduction to the Earth, Environmental and Sustainability Sciences for Majors Units: 1	
• EESC 210 - Physical and Environmental Geology and Geography Units: 4 ; Breadth Area: GE-5A, GE-5C	• ENSC 210 - Physical and Environmental Geology Units: 4 ; Breadth Area: GE-B1, GE-B3
	• GEOG 110 - Physical Geography: Earth Processes and Outcomes Units: 3 ; Breadth Area: GE-B1
	• GEOL 210 - Physical and Environmental Geology Units: 4 ; Breadth Area: GE-B1, GE-B3
• EESC 211 - Historical Geology and Geography Units: 4 ; Breadth Area: GE-5A, GE-5C	• ENSC 211 - Historical Geology Units: 4
	• GEOG 330 - Historical Geography of North America Units: 3 ; Breadth Area: GE-UD-D; Sustainability
	• GEOL 211 - Historical Geology Units: 4
• EESC 230 - Natural Disasters Units: 3 ; Breadth Area: GE-5A	• GEOL 230 - Natural Disasters Units: 3 ; Breadth Area: GE-B1; Sustainability
• EESC 240 - Environmental Biology Units: 3 ; Breadth Area: GE-5B; Sustainability	• ENSC 240 - Environmental Biology Units: 3 ; Breadth Area: GE-B2; Sustainability
• EESC 241 - Environmental Biology Laboratory Units: 1 ; Breadth Area: GE-5C	• ENSC 241 - Environmental Biology Laboratory Units: 1 ; Breadth Area: GE-B3
• EESC 280 - Humans and the Environment in California Units: 3 ; Breadth Area: GE-5A; Sustainability	• ENSC 280 - Humans and the Environment in California Units: 3 ; Breadth Area: GE-B1 Sustainability
• EESC 297 - Introductory Field Experience Units: 1	• ENSC 297 - Introductory Field Experience Units: 1
	• GEOL 297 - Introductory Field Experience Units: 1
• EESC 307 - Social Impact through Sustainable Solar Design Units: 3 ; Breadth Area: GE-UD-5; Sustainability	• ENVT 307 - Social Impact through Sustainable Solar Design Units: 3 ; Breadth Area: GE-UD-5; Sustainability
• EESC 310 - Literature and Research Methods Units: 3	• ENVT 310 - Literature and Research Methods Units: 3
	• GEOG 310 - Literature and Research Methods Units: 3
• EESC 311 - Geomorphology Units: 3	• ENSC 311 - Geomorphology Units: 3
	• GEOL 311 - Geomorphology Units: 3
• EESC 315 - The Science of Global Change Units: 3 ; Breadth Area: GE-UD-5; Sustainability	• ENSC 320 - The Science of Global Change Units: 3 ; Breadth Area: GE-UD-B; Sustainability
• EESC 320 - Quantitative Methods in Earth, Environmental and Sustainability Sciences Units: 3	• ENVT 320 - Environmental Resource Analysis Units: 4
	• GEOG 320 - Environmental Resource Analysis Units: 4
• EESC 325 - Volcanoes and Plate Tectonics Units: 3 ; Breadth Area: GE-UD-5	• GEOL 325 - Volcanoes and Plate Tectonics Units: 3 ; Breadth Area: GE-UD-B
• EESC 330 - Environment, Sustainability, and Social Justice Units: 3 ; Breadth Area: GE-UD-4; Social Justice	• ENVT 330 - Environment, Sustainability, and Social Justice Units: 3 ; Breadth Area: GE-UD-4; Social Justice
• EESC 335 - Weather and the Atmosphere Units: 3 ; Breadth Area: GE-UD-5; Sustainability	• ENSC 330 - Weather and the Atmosphere Units: 3 ; Breadth Area: GE-UD-B; Sustainability
	• GEOL 330 - Weather and the Atmosphere Units: 3 ; Breadth Area: GE-UD-B; Sustainability
• EESC 340 - The Oceans Units: 3 ; Breadth Area: GE-UD-5; Sustainability	• ENSC 340 - The Oceans Units: 3 ; Breadth Area: GE-UD-B; Sustainability
	• GEOL 340 - The Oceans Units: 3 ; Breadth Area: GE-UD-B; Sustainability
• EESC 341 - General Oceanography Units: 4	• GEOL 341 - General Oceanography Units: 4
• EESC 343 - Atmospheric Science Units: 3	• ENSC 343 - Atmospheric Science Units: 3
	• GEOL 343 - Atmospheric Science Units: 3
• EESC 350 - Environmental Hydrology Units: 4 ; Breadth Area: Sustainability	• ENSC 350 - Environmental Hydrology Units: 4 ; Breadth Area: Sustainability
	• GEOL 350 - Environmental Hydrology Units: 4 ; Breadth Area: Sustainability
• EESC 355 - California Units: 3 ; Breadth Area: GE-UD-4; Sustainability	• GEOG 350 - California Units: 3 ; Breadth Area: GE-UD-D; Sustainability
• EESC 360 - Introduction to GIS in Earth, Environmental and Sustainability Sciences Units: 3	• ENSC 260 - Introduction to GIS in Earth and Environmental Sciences Units: 3 ; Breadth Area: GE-B1, GE-B3
	• ENVT 225 - Fundamentals of GIS Units: 3
	• GEOG 225 - Fundamentals of GIS Units: 3
	• GEOL 260 - Introduction to GIS in Earth and Environmental Sciences Units: 3 ; Breadth Area: GE-B1, GE-B3
• EESC 361 - Mineralogy and Optical Crystallography Units: 4	• GEOL 360 - Mineralogy and Optical Crystallography Units: 4
• EESC 362 - Igneous and Metamorphic Petrology Units: 4	• GEOL 361 - Igneous and Metamorphic Petrology Units: 4
• EESC 363 - Sedimentary Geology and Stratigraphy Units: 4	• GEOL 371 - Sedimentary Geology and Stratigraphy Units: 4
• EESC 364 - Structural Geology Units: 5	• GEOL 381 - Structural Geology Units: 5
• EESC 375 - Fire Ecology and Management Units: 3	• GEOG 375 - Fire Ecology and Management Units: 3
• EESC 380 - Applied Field Studies Units: 3	• ENVT 380 - Applied Field Studies Units: 3
	• GEOG 380 - Applied Field Studies Units: 3
• EESC 397 - Advanced Field Experience Units: 2	• ENSC 397 - Advanced Field Experience Units: 2
	• ENVT 380 - Applied Field Studies Units: 3
	• GEOG 380 - Applied Field Studies Units: 3
	• GEOL 397 - Advanced Field Experience Units: 2
• EESC 398 - Internship Units: 1-3	• ENSC 398 - Internship Units: 1-3
	• ENVT 398 - Internship Units: 1-3
	• GEOG 398 - Internship Units: 1-3
	• GEOL 398 - Internship Units: 1-3
• EESC 410 - Environmental Impact Analysis Units: 3	• ENVT 410 - Environmental Impact Analysis Units: 3
• EESC 414 - Hazardous Waste Management Units: 3 ; Breadth Area: Sustainability	• ENSC 414 - Hazardous Waste Management Units: 3 ; Breadth Area: Sustainability
	• GEOL 414 - Hazardous Waste Management Units: 3 ; Breadth Area: Sustainability
• EESC 420 - Global Climate Change Units: 3 ; Breadth Area: Sustainability	• ENSC 420 - Global Climate Change Units: 3 ; Breadth Area: Sustainability
	• ENVT 340 - Climate Change Units: 3 ; Breadth Area: GE-UD-B; Sustainability
• EESC 432 - Hydrogeology Units: 4	• GEOL 432 - Hydrogeology Units: 4
• EESC 434 - Biogeochemistry Units: 3	
• EESC 441 - Earthquake Geology Units: 3	• GEOL 441 - Earthquake Geology Units: 3
• EESC 445 - Water and Watershed Resources Units: 3 ; Breadth Area: GE-UD-5	• ENVT 445 - Water and Watershed Resources Units: 3 ; Breadth Area: GE-UD-B
	• GEOG 445 - Water and Watershed Resources Units: 3 ; Breadth Area: GE-UD-B
• EESC 447 - Energy, Climate and Society Units: 3 ; Breadth Area: GE-UD-5; Sustainability	• ENVT 447 - Energy, Climate and Society Units: 3 ; Breadth Area: GE-UD-B: Sustainability
	• GEOG 447 - Energy, Climate and Society Units: 3 ; Breadth Area: GE-UD-B; Sustainability
• EESC 451 - Hydroinformatics Units: 4	
• EESC 455 - Sustainable Food Systems Units: 3 ; Breadth Area: GE-UD-4; Sustainability	• ENVT 455 - Sustainable Food Systems Units: 3 ; Breadth Area: GE-UD-D; Sustainability
	• GEOG 455 - Sustainable Food Systems Units: 3 ; Breadth Area: GE-UD-D; Sustainability
• EESC 460 - Advanced GIS in Earth, Environmental and Sustainability Sciences Units: 3	• ENSC 460 - Geographic Information Systems for Earth and Environmental Sciences Units: 4
	• GEOG 425 - Advanced GIS Units: 3
• EESC 461 - Remote Sensing for the Earth, Environmental and Sustainability Sciences Units: 3	• GEOG 461 - Remote Sensing of the Environment Units: 3
• EESC 462 - Earth, Environmental and Sustainability Sciences Applications of Unmanned Aerial Systems (UAS)	• GEOG 462 - Air Photo Interpretation Units: 3
• EESC 465 - Sustainable Communities and Development Units: 3 ; Breadth Area: GE-UD-4; Sustainability	• ENVT 465 - Sustainable Communities and Development Units: 3 ; Breadth Area: GE-UD-D; Sustainability
	• GEOG 465 - Sustainable Communities and Development Units: 3 ; Breadth Area: GE-UD-D; Sustainability
• EESC 490 - Independent Study Units: 1-4	• ENSC 490 - Independent Study Units: 1-4
	• ENVT 490 - Independent Study Units: 1-3
	• GEOG 490 - Independent Study Units: 1-3
	• GEOL 490 - Independent Study Units: 1-3
• EESC 497 - Special Topics and Issues in Environmental Sciences Units: 3	• ENSC 497 - Special Topics and Issues in Environmental Sciences Units: 3
	• GEOG 497 - Issues in Geography Units: 3
	• GEOL 497 - Issues in Geosciences Units: 3
	• GEOG 397 - Issues in Anthropology, Geography and Environmental Studies Units: 3
• EESC 498 - Internship Units: 1-3	• ENSC 498 - Internship Units: 1-3
	• ENVT 498 - Internship Units: 1-3
	• GEOG 498 - Internship Units: 1-3
	• GEOL 498 - Internship Units: 1-3
• EESC 499 - Capstone Seminar in Earth, Environmental and Sustainability Sciences Units: 3	• ENSC 499 - Capstone Seminar in Geosciences Units: 3
	• ENVT 493 - Environmental Projects Units: 3
	• GEOG 499 - Senior Seminar in Geography Units: 3
	• GEOL 499 - Capstone Seminar in Geosciences Units: 3
• EESC 601 - Professional Ethics in Environmental Geosciences Units: 1	• ENSC 601 - Professional Ethics in Environmental Geosciences Units: 1
	• GEOL 601 - Professional Ethics in Environmental Geosciences Units: 1
• EESC 602 - Graduate Seminar Units: 2	• GEOL 602 - Graduate Seminar Units: 2
• EESC 622 - Seismic Exploration Units: 4	• GEOL 622 - Seismic Exploration Units: 4
• EESC 631 - Isotope Geochemistry Units: 4	• ENSC 631 - Isotope Geochemistry Units: 4
	• GEOL 631 - Isotope Geochemistry Units: 4
• EESC 632 - Groundwater Flow and Contaminant Transport Units: 4	• ENSC 632 - Groundwater Flow and Contaminant Transport Units: 4
	• GEOL 632 - Groundwater Flow and Contaminant Transport Units: 4
• EESC 633 - The Science of Soils Units: 4	• ENSC 633 - The Science of Soils Units: 4
	• GEOL 633 - The Science of Soils Units: 4
• EESC 634 - Biogeochemistry Units: 4	• ENSC 634 - Biogeochemistry Units: 4
	• GEOL 634 - Biogeochemistry Units: 4
• EESC 641 - Earthquake Geology Units: 4	• GEOL 641 - Earthquake Geology Units: 4
• EESC 645 - Water and Watershed Resources Units: 3	
• EESC 651 - Hydroinformatics Units: 4	• ENSC 651 - Hydroinformatics Units: 4
	• GEOL 651 - Hydroinformatics Units: 4
• EESC 655 - Sustainable Food Systems Units: 3	
• EESC 660 - Advanced GIS in Earth, Environmental and Sustainability Sciences Units: 3	
• EESC 661 - Remote Sensing of the Environment in Earth, Environmental and Sustainability Sciences Units: 3	
• EESC 671 - Field Experience Units: 1-2	• ENSC 671 - Field Experience Units: 1-2
	• GEOL 671 - Field Experience Units: 1-2
• EESC 675 - Fire Ecology and Management Units: 3	
• EESC 690 - Independent Study Units: 1-3	• GEOL 690 - Independent Study Units: 1-3
• EESC 691 - University Thesis Units: 1-6	• GEOL 691 - University Thesis Units: 1-6
• EESC 692 Comprehensive Exam: 2	
• EESC 693 - Project Units: 1-2	• GEOL 693 - Project Units: 1-2
• EESC 697 - Issues in Geosciences Units: 3	• GEOL 697 - Issues in Geosciences Units: 3
• EESC 698 - Internship Units: 1-3	• ENSC 698 - Internship Units: 1-3
	• GEOL 698 - Internship Units: 1-3