

Suggested Courses

In total, a minimum of thirty-six (36) units (only 400 or 500 level) must be included on the ENST study plan. This list is a current inventory of classes applicable to the ENST and Cross Disciplinary Electives requirement. They are merely suggestions. This inventory fluctuates, as courses are added or deleted each semester and/or year. Should a course become available that you wish to take, speak with the Coordinator regarding the appropriateness and or relevance to your goals. This list is NOT Comprehensive.

ENST Required Core Courses (9 units)

ENST 500 Environmental Issues & Approaches
ENST 510 Environmental Evaluation & Protection
ENST 520 Environmental Research & Analysis

Planning Courses (3 units)

ENST 595T Environmental Planning
ENST 595T Environmental Impact Assessment
GEOG 478 Urban Planning Principles (POSC 478)
GEOG 484 Urban Planning Methods (POSC 484)
GEOG 488 Land Use Analysis

ENST Electives (9 – 12 units)

ENST 595T Topics in Environmental Problems:

Air Quality Management
Atmospheric Pollution
Environmental Impact Assessment
Environmental Planning
Environmental Regulation
Endangered Habitats
Global Environmental Issues

Hazardous Waste Management
Solid Waste Management
Urban Ecology
Wetlands Seminar

ENST 565 Environmental Change
ENST 585 Environmental Application of GIS
ENST 596 Internship
ENST 599 Independent Research (1-3 units)

ENST Project/Thesis (3 units)

ENST 597 Project (F/S)
ENST 598 Thesis (F/S)

GS-700 (0 units required)

GS 700 Continuous Enrollment through Ext. Ed
GS 700 Continuous Enrollment at CSUF

Cross Disciplinary Electives (9–12 units)

AMERICAN STUDIES (AMST)

401 American Culture & Nature
416 Southern California Culture
423 Search For Community
444 Built Environment
449 American West: Symbol & Myth

ANTHROPOLOGY (ANTH)

402 Museum Science
403 Archaeological Field Work
409 Applied Anthropology
441 Human Variation
443 Advanced Human Evolution
460 Public Archaeology in California
504T Selected Topics in Anthropology

BIOLOGICAL SCIENCES (BIOL)

401 Biogeography
419 Marine Ecology
438 Public Health Microbiology
441 Plant Taxonomy
442 Pollination Biology
443 Plant Ecology
444 Plant Physiology

446 Marine Phycology
450 Conservation Biology
466 Behavioral Ecology
474 Natural History Vertebrates
475 Ichthyology
476 Herpetology
479 Ornithology
478 Mammalogy
517 Seminar in Ecological and Organismic Biology

CHEMISTRY & BIOCHEMISTRY (CHEM)

411A Optical Spectroscopy
411C Separations
411E Radiochemistry
411G Mass Spectrometry
435 Chemistry of Hazardous Materials
436 Atmospheric Chemistry
437 Environmental Water Chemistry
438 Environmental Biochemistry

COMMUNICATIONS (COMM)

422 Communications Technologies
464 Public Relations Management
477 Research Methods in Primatology

ECONOMICS (ECON)

411 International Trade
416 Benefit Cost and Microeconomic Policy Analysis
461 Ecological Economics
462 Natural Resources Economics
516 Economics and Benefit-Cost Analysis
599 Independent Graduate Research

EDUCATIONAL LEADERSHIP (EDAD)

503 Organizational Leadership

ELEMENTARY & BILINGUAL EDUCATION (EDEL)

511 Survey of Education Research
521 The Study of Teaching
533 Studies Elementary Education: Science
536 Curriculum Theory & Development

ENGINEERING – CIVIL (EGCE)

436 Engineering Hydrology
441 Environmental Engineering
466 Public Transit System Planning
481 Solid Waste Technology/Management
482 Liquid Waste Technology/Management

515 Geo-Environmental Engineering
532 Earthquake Engineering
537 Groundwater & Seepage
546 Coastal Pollution Engineering
559 Environmental & Public Transportation Regulations
583 Air Pollution Control Engineering

ENGINEERING – MECHANICAL (ENME)

475 Acoustics & Noise Control

ENGLISH (ENGL)

429 American Landscape in Literature

FINANCE (FIN)

454 Real Estate/Market Analysis
456 Property Development & Management

GEOGRAPHY (GEOG)

422 Regional Climatology
425 Tropical Rainforest
426 The Coastal Environment
452 Ecotourism
475 Interpretation of Urban Landscapes
478 Urban Planning Principles (POSC 478)
481 Introduction to GIS Principles
482 Environmental Impact Assessment
484 Urban Planning Methods (POSC 484)
485 GIS Applications
486 Environmental Remote Sensing
488 Land Use Analysis
520 Seminar: Physical Geography
530 Seminar: (Various Topics)
Political Ecology
550 Seminar: Human Geography
575 Landscape Interpretation

GEOLOGICAL SCIENCES (GEOL)

406 Geochemistry
420 Earth Science for Science Teachers
436 Hydrogeology
437 Water Quality Investigations & Control
470 Environmental Geology & Planning
481C Watershed Hydrology Field Camp
506T Topics in Geochemistry
510T Advanced Topics in Geology
535T Advanced Topics in Hydrogeology
575T Advanced Topics in Engineering Geology

HEALTH SCIENCE (HESC)

400 Program Design

401 Epidemiology
421 Infectious Disease Epidemiology
440 Determinants of Health Behavior
460 Worksite Health Promotion
461 Occupational Health and Safety
475 Research & Evaluation
501 Advanced Epidemiology (Spring only)
515 Advanced Environmental Health (Fall only)
535 Program Planning, Design, Evaluation (Fall only)
545 Instructional Methods (Fall only)

HISTORY (HIST)

408 History of California
430 History of Science: Copernicus to Present
478 History of Orange County
479 The Urbanization of American Life
481 Westward Movement in the United States
482 Themes in American Thought
490T Environmental History
492 Communication History
493 Oral History
494 Oral History Edit/Indexing

LIBERAL STUDIES (LIB)

488 Senior Seminar in Environmental Studies

MATHEMATICS (MATH)

414 Topology
435 Mathematical Statistics
438 Introduction to Stochastic Processes
440 Advanced Numerical Analysis
470 Advanced Mathematical Model Building
501A Numerical Analysis and Computation I
501B Numerical Analysis and Computation II
503A Mathematical Modeling I
503B Mathematical Modeling II
504A Simulation Modeling and Analysis
504B Applications of Simulation Modeling Techniques

PHILOSOPHY (PHIL)

416 Advanced Research Ethics
430 Epistemology

PHYSICS (PHYS)

481 Experimental Physics

POLITICAL SCIENCE (POSC)

403 Politics & Policy in Sacramento
414 Legislature & Politics

427 Policy Making: Urban Metropolitan Issues
446 Corruption/Ethics/Public Policy
457 Politics of International Economics
461 UN/Public International Organization
475 Administrative Law
478 Urban Planning Principles (GEOG 478)
484 Urban Planning Methods (GEOG 484)
485 Women in Politics
509 Administrative Organization & Process
519 State & Local Government
523 Administrative Research & Analysis
525 Seminar: Metropolitan Area Government
528 Seminar: Administration & Policy
529 Seminar: Public Management Analysis
540 Seminar: Readings in Political Philosophy

SCIENCE EDUCATION (SCED)

410 Physical Science Concepts
412 Processes of Science
453 Life Science Concepts
495 Naturalist Internship
550 Theoretical Designs in Science Education
554 Issues in Science Education

SECONDARY TEACHER EDUCATION PROGRAM (EDSC)

440M Multicultural Education in Public Schools
522 Family, Community & Professional Partnerships
536 Curriculum Theory & Development