De Anza College

21250 Stevens Creek Blvd.
Cupertino, CA 95014
408-864-5678
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Academic Year
2020 - 2021

Environmental Studies

Environmental Resource Management and Pollution Prevention

Biological, Health and
Environmental Sciences Division
Kirsch Center, Room 228
408-864-8773

Find your counselor at
deanza.edu/our-counselors

Please visit the Counseling and Advising Center to apply for degrees and for academic planning assistance.

Certificate of Achievement Requirements
- Completion of all major courses with a C grade or higher.

Note: A maximum of six quarter units may be transferred from other academic institutions.

Certificate of Achievement-Advanced Requirements
- Completion of all major courses with a C grade or higher.

- Demonstrated proficiency in mathematics and English as evidenced by eligibility for MATH 114 and eligibility for any of the following: EWRT 1A, EWRT 1AH, EWRT 1AS with EWRT 1AT, or ESL 5.

Note: A maximum of 18 quarter units may be transferred from other academic institutions.

A.A./A.S. Degree Requirements
1. Completion of all General Education (GE) requirements (32-43 quarter units) for the A.A./A.S. degree. GE units must be completed with a minimum 2.0 GPA (C average).
2. Completion of all major courses with a C grade or higher. Major courses can also be used to satisfy GE requirements (except for Liberal Arts degrees).

   Note: A maximum of 22 quarter units from other academic institutions may be applied toward the major.
3. Completion of a minimum of 90 degree-applicable quarter units (GE and major units included). All De Anza courses must be completed with a minimum 2.0 GPA (C average). All De Anza courses combined with courses transferred from other academic institutions must be completed with a minimum 2.0 GPA (C average).

Note: A minimum of 24 quarter units must be earned at De Anza College.

Environmental Resource Management and Pollution Prevention
Certificate of Achievement
In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for employment as entry-level environmental management or pollution prevention specialists in a wide range of positions and settings, including working for business, government and nonprofit organizations. This certificate is the first step in a career ladder, on which students can optionally choose to later complete a Certificate of Achievement-Advanced and finally an A.A. degree.

Program Learning Outcomes: Upon completion, students will be able to
- Identify fundamental environmental management/pollution prevention issues and apply sustainable solutions

1. Meet the requirements for this certificate level.
2. Complete the following.

ES 50	Introduction to Environmental Resource Management and Pollution Prevention	4
ES 61A	Environmental Resource Management and Pollution Prevention: Air, Water and Land	4
ES 61B	Environmental Resource Management and Pollution Prevention: Energy, Chemicals and Waste	4

Complete two courses:		**8**
ES 62A	Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting (4)	
ES 62B	Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs) (4)	
ES 62C	Environmental Management Tools: Environmental Site Assessments (ESAs) (4)	
ES 62D	Environmental Management Tools: Industrial Ecology and Sustainable Design Principles (4)	

Total Units Required 20

Environmental Resource Management and Pollution Prevention
Certificate of Achievement-Advanced

In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for employment as environmental management or pollution prevention specialists in a wide range of positions and settings, including working for business, government and nonprofit organizations. This certificate is the middle step in a career ladder with the first step being a Certificate of Achievement and the last (optional) step being an A.A. degree.

Program Learning Outcomes: Upon completion, students will be able to
- Identify both fundamental and advanced environmental management/pollution prevention issues and apply sustainable solutions

1. Complete the Certificate of Achievement requirements.   20
2. Meet the requirements for this certificate level.
3. Complete the following.

ES 64	Climate Change Mitigation and Adaptation in California	4

Complete two courses not previously completed for the Certificate of Achievement: **8**

ES 62A	Environmental Management Tools: Environmental Management Systems and Environmental Performance Reporting (4)	
ES 62B	Environmental Management Tools: CEQA and Environmental Impact Reports (EIRs) (4)	
ES 62C	Environmental Management Tools: Environmental Site Assessments (ESAs) (4)	
ES 62D	Environmental Management Tools: Industrial Ecology and Sustainable Design Principles (4)	
	Total Units Required **32**	

Environmental Resource Management and Pollution Prevention
A.A. Degree

In this career-oriented program, students are trained in the interrelated fields of environmental resource management (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials) and pollution prevention. The training received is multidisciplinary, covering the areas of law and regulation, public health, economics and science and technology, and includes coursework covering a variety of practical management tools that employers look for. Upon completion, students are prepared for either employment as environmental management or pollution prevention specialists (in a wide range of positions and settings, including working for business, government and nonprofit organizations) or for transfer to four-year degree programs in Environmental Studies or related majors. This degree is the last step in a career ladder with the first step being a Certificate of Achievement and the second being a Certificate of Achievement-Advanced.

Program Learning Outcomes: Upon completion, students will be able to
- Identify both fundamental and advanced environmental management/pollution prevention issues and apply sustainable solutions
- Understand and appreciate the broader context of their work in terms of achieving a sustainable society

1. Complete the Certificate of Achievement and the Certificate of Achievement-Advanced requirements.   32
2. Meet the A.A./A.S. degree requirements.
3. Complete the following.

ES 1	Introduction to Environmental Studies	4
ES 4	Energy, the Environment, and Society	4
ES 6	Introduction to Environmental Law	4
ES 56	Introduction to Environmental Health	4
ES 58	Introduction to Green Building	1
ES 61L	Environmental Resource Management and Pollution Prevention Laboratory	1
ES 63	Global Environmental Policy	1
ES 95	Introduction to Environmental Careers	1
ESCI 1	Environmental Science	4
ESCI 1L	Environmental Science Laboratory	1
Major	*Environmental Resource Management and Pollution Prevention*	*57*
GE	*General Education (32-43 units)*	
Electives	*Elective courses required when major units plus GE units total is less than 90*	
	Total Units Required **90**	