



### Environmental Compliance and Pollution Prevention

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408-864-8628, 8773

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Career Services Info.  
Student and Community  
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Please visit the Counseling Center to apply for certificates and degrees, and for academic planning assistance.

#### Certificate of Achievement Level Requirements

A minimum "C" grade in each major course.  
Note: A maximum of six (6) quarter units may be transferred from other academic institutions.

#### Certificate of Achievement-Advanced Level Requirements

1. A minimum "C" grade in each major course.  
2. Demonstrated proficiency in English and mathematics as evidenced by eligibility for EWRT 1A or ESL 5 and eligibility for MATH 114.  
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 (31-42 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 requirements. Each major course must be completed with a minimum "C" grade. 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.

Major courses for certificates and degrees must be completed with a letter grade unless a particular course is only offered on a pass/no-pass basis.

### Environmental Compliance & Pollution Prevention Certificate of Achievement

This is a 21st century career program in which students are trained in environmental compliance (law and policy) and pollution prevention principles, practices, and technologies that cover air, water, land, food production, environmental health and justice, and sustainable cities. Environmental compliance/pollution prevention specialists work at local, state, federal, and international levels applying environmental compliance and pollution prevention strategies in an effort to achieve a more sustainable society. Certificate of Achievement-level students are trained in Level 1 introductory sustainability practices and protocols and monitoring and evaluation techniques.

Student Learning Outcomes - upon completion, students will be able to:

- investigate and communicate the relationships between environmental law, protection, and pollution prevention and apply the knowledge gained to environmental solutions.

1. Meet the requirements for this certificate level.	
2. Complete the following.	
ES 2	Humans, the Environment and Sustainability 4
ES 6	Introduction to Environmental Law 4
ES 50	Introduction to Pollution Prevention, Hazardous Waste, and Environmental Justice 4
ES 56	Environmental Health and Justice 4
ES 61A	Environmental Protection and Pollution Prevention: Local and Regional 4
ES 62A	Introduction to ISO 14001 and Sustainability Management Plans (SMP) 1
ES 62B	ISO 14001: Environmental Mgmt. Systems (EMS) and Sustainability Mgmt. Plans (SMP) 1
ES 64	AB 32 (CA Global Warming Solutions Act of 2006) 1
ES 65	Environmental Stewardship 1
ES 66	Environmental Leadership 1
ES 95	Introduction to Environmental Careers 1
	Total Units Required . . . . . 26

### Environmental Compliance & Pollution Prevention Certificate of Achievement-Advanced

This is a 21st century career program in which students are trained in environmental compliance (law and policy) and pollution prevention principles, practices, and technologies that cover air, water, land, food production, environmental health and justice, and sustainable cities. Environmental compliance/pollution prevention specialists work at local, state, federal, and international levels applying environmental compliance and pollution prevention strategies in an effort to achieve a more sustainable society. Certificate of Achievement-Advanced level students are trained in Level 2 advanced sustainability practices and protocols and monitoring and evaluation techniques.

Student Learning Outcomes - upon completion, students will be able to:

- investigate and communicate the relationships between environmental law, protection, and pollution prevention and apply the knowledge gained to environmental solutions.
- communicate and critically evaluate the relationship between laws, history, values, stakeholders, and strategies to assist in implementing environmental solutions through the use of data analysis, targets and timetables.

1. Meet the requirements for this certificate level.	
2. Complete the Certificate of Achievement course requirements. 26	
3. Complete the following.	
ES 58	Introduction to Green Building 1
ES 61B	Environmental Protection and Pollution Prevention: State and Federal 4
ES 62C	ISO 14001: Integration of an Environmental Mgmt. System (EMS) and Sustainability Mgmt. Plan (SMP) 1
ES 62D	ISO 14001: Voluntary Audit 1
ES 63	Agenda 21: Blueprint for Sustainability 1
ES 90	Environmental Research & Field Methods 4
ESCI I	Environmental Science 4
ESCI II	Environmental Science Lab 1
	Total Units Required . . . . . 43

# Environmental Compliance & Pollution Prevention

## A.A. Degree

This is a 21st century career program in which students are trained in environmental compliance (law and policy) and pollution prevention principles, practices, and technologies that cover air, water, land, food production, environmental health and justice, and sustainable cities. Environmental compliance/pollution prevention specialists work at local, state, federal, and international levels applying environmental compliance and pollution prevention strategies in an effort to achieve a more sustainable society. AA degree-level students are trained in Level 2 advanced sustainability practices and protocols and monitoring and evaluation techniques. AA degree-level students receive additional training in environmental studies, biodiversity, energy management and environmental education.

*Student Learning Outcomes - upon completion, students will be able to:*

- identify and interact with the key stakeholders in environmental compliance, pollution prevention and environmental health and justice, including the public, governmental and resource agencies, agriculture and industry, and non-profits to enhance global, cultural, social and environmental well-being.

1. Meet the AA/AS degree requirements.		
2. Complete the course requirements listed for the Certificate of Achievement and the Certificate of Achievement-Advanced.		43
3. Complete the following.		
ES 79	Renewable and Alternative Energy Systems	1
ES 91X	Environmental Education and Nature-Based Learning	2
ESCI 50	Introduction to Wildlife Corridor Technician: Connectivity	4
<i>Complete a minimum of five (5) units from the following:</i>		5
ES 1	Introduction to Environmental Studies (4)	
ES 55	Ten Steps to Effective Learning in Environmental Studies (1)	
ES 67	Environmental Team-Building (1)	
ES 68	Community-Based Coalitions & Stakeholders (1)	
ES 69	Energy Reliability and Your Organization (1)	
ES 70	Introduction to Energy Management Technology (1)	
ES 80	California Field Studies (1)	
ES 85A	California Native Plants and Animals (2)	
ES 91Z	Environmental Education and Nature-Based Learning (4)	
ES 95B	Environmental Studies Internship (2)	
ESCI 19	Environmental Biology (5)	
ESCI 20	Introduction to Biodiversity (5)	
ESCI 21	Biodiversity 2 (5)	
ESCI 61	Introduction to Photovoltaic (PV) Technology (3)	

Major	<i>Environmental Compliance and Pollution Prevention</i>	55 units
GE	<i>General Education (31-42 units)</i>	
Electives	<i>Elective courses req'd. when major units plus GE units total is less than 90</i>	
<i>Total Units Required . . . . .</i>		<i>90 units</i>