

DIVISION OF MATHEMATICS, SCIENCES, AND ENGINEERING

ENVIRONMENTAL TECHNOLOGY

ASSOCIATE OF SCIENCE DEGREE

Environmental Technology refers to the skills and knowledge that allows a person to work in the environmental field in compliance with governmental regulations and at the same time protect human health and the environment. The Environmental Technology Associate of Science Degree Program is a two-year program designed to prepare students to either enter the work force at the technician level or transfer into a bachelor's degree program.

To acquire the **Associate of Science Degree in Environmental Technology**, students must complete the required major courses below with a grade of "C" or better or of "P" if the course was taken on a Pass/No Pass basis, along with either of the following: Rio Hondo College General Education (RHC GE) or California General Education Transfer Curriculum (Cal-GETC). California State University General Education - Breadth (CSU GE) or Intersegmental General Education Transfer Curriculum (IGETC) may be used in some cases; please see a counselor for details.

Required Courses	Units	N	IP	C
BIOL 120 Environmental Biology	3			
BIOL 120L *Environmental Biology Lab	1			
CIT 101 Introduction to Computer Information Technology	3			
<u>OR</u>				
GIS 120 Introduction to Geographic Information Systems and Spatial Analysis	4			
ET 130 Health Effects of Environmental Hazardous Materials	3			
ET 230 Safety and Emergency Response	4			
ET 260 Environmental Sampling & Analysis	4			
<i>Plus units from any of the following areas of specialization and/or miscellaneous electives to equal a minimum of 27 units in the major.</i>				
Total major units needed for Associate of Science	27-28			
* Prerequisite/Corequisite				

Suggested Areas of Specialization:

Waste Management

ET 110 Hazardous Waste Generation/Reduction/Treatment	3
ET 150 Hazardous Waste Management Application	4
ET 200 Hazardous Materials Management Applications	4
ET 240 Solid Waste Management Applications	4

Land Use Planning & Environmental Restoration

AET/ET 280 Green Building Design Principles	3
ET 160 Hazardous Waste Site Remediation Systems	3
ET 170 Groundwater Hydrology and Sampling	3
GIS 230 *Geographic Information Systems (GIS) in Environmental Technology	3

Environmental Health & Safety

ET 250 Fundamentals of Safety and Health I	3
ET 251 Fundamentals of Safety and Health II	3

Water Resources

ET 270	Wastewater Treatment Plant Operations I	3
ET 271	*Wastewater Treatment Plant Operations II	3
ET 272	*Advanced Wastewater Treatment	3
ET 273	Stormwater Management, Treatment & Controls	3
ET 274	Industrial Waste Water Treatment	3
ET 275	Water Treatment	3
ET 276	Water Distribution	3

Alternative & Efficient Energy Systems

AET/ET 120	Introduction to Alternative Energy Technology	3
AET/ET 121	Photovoltaic Systems Design and Installation	3
AET/ET 122	*Advanced Photovoltaic Systems Design and Installation	3
AET/ET 123	Wind Energy Systems Design and Installation	3
AET/ET 124	*Advanced Wind Energy Systems Design and Installation	3
AET/ET 181	Home Energy Management and Auditing	3
AET/ET 182	Industrial Energy Management and Auditing	3
AET/ET 280	Green Building Design Principles	3
AUTO 141	Alternative Fuels I	3
AUTO 147	*Introduction to Hybrid and Electric Vehicle Technology	3

Environmental Technology Miscellaneous Electives

ET 290	Work Experience Education/Internship for Environmental Technology-Related Fields	1-4
ET 299	Directed Study	1
FTEC 107	Hazardous Materials I	3
FTEC 108	*Hazardous Materials II	3

NOTE: Students interested in transferring as Environmental Technology majors should consult with a counselor for appropriate general education & major preparation counseling.