



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 along with one of the following:

- o RHC GE and Proficiency requirements
- o CSU GE (California State University General Education Breadth)
- o IGETC (Intersegmental General Education Transfer Curriculum)

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

**Suggested Areas of Specialization:**

**Waste Management**

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

**Land Use Planning & Environmental Restoration**

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

**Environmental Health & Safety**

<b>ET 250</b> Fundamentals of Safety and Health I	<b>3</b>
<b>ET 251</b> Fundamentals of Safety and Health II	<b>3</b>

**Water Resources**

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

**Alternative & Efficient Energy Systems**

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

**Environmental Technology** Miscellaneous Electives

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

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