

ENGINEERING TECHNOLOGY - ALTERNATIVE ENERGY OPTION

Engineering Technology: Alternative Energy Option, AS (ENGT-AS)

Communications Area		3 Credit Hours
ENC 1101	English Composition I	3
Humanities Area		3 Credit Hours
See General Education Core Requirements		3
Mathematics Area		3 Credit Hours
MAC 1105	College Algebra	3
Natural Sciences Area		3 Credit Hours
See General Education Core Requirements		3
Social Sciences Area		3 Credit Hours
POS 2041	Amer National Government	3
OR		
AMH 2020	United States History II	3
Major Courses		45 Credit Hours
Alternative Energy Option. The purpose of this track is to prepare students to meet industry-specific educational needs for technicians in new and emerging alternative and renewable energy fields, including, but not limited to, occupational titles such as Electrical Engineering Technician, Industrial Engineering Technician, Solar Photovoltaic Installer and Solar Power Plant Technician, Solar Thermal Installer and Technician, Energy Auditor, and Smart Grid Technician. This program also provides supplemental training for persons previously or currently employed in occupations related to energy production and storage, manufacturing and construction.		
EET 1084C	Introduction to Electronics	3
ETD 1320C	Introduction to CAD	3
ETI 1701	Industrial Safety	3
ETI 2110	Intro to Quality Assurance	3
ETI 1420	Manufacturing Processes	3
ETI 2001C	Applied Mechanics	3
ETP 1501	Intr Enrgy/Env/Soc	3
ETP 1500	Alt Energy Inventory/Analysis	3
EET 1035C	AC/DC Circuits	3
ETP 1410C	Solar Energy	3
ETS 2542C	Programmable Logic Controllers	3
ETP 1510	Biofuels and Biomass	3
ETP 1550	Alt Fuel/Electric Vehicle Tech	3
EET 2214C	LabVIEW Instrumentation	3
ETS 2931	Special Projects in CIM	2
ETI 1949	Manufacturing Internship	1

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

Applies to AS degree and certificate programs.

= Career Certificate course.

* Minimum grade of "C" required.

@ Civic Literacy.