

---

## ENGINEERING TECHNOLOGY - ALTERNATIVE ENERGY OPTION

### Engineering Technology - Alternative Energy, AS

<b>Communications Area</b>	<b>3 Credit Hours</b>
ENC 1101    English Composition I	3
<b>Humanities Area</b>	<b>3 Credit Hours</b>
See General Education Core Requirements	3
<b>Mathematics Area</b>	<b>3 Credit Hours</b>
MAC 1105    College Algebra	3
<b>Natural Sciences Area</b>	<b>3 Credit Hours</b>
See General Education Core Requirements	3
<b>Social Sciences Area</b>	<b>3 Credit Hours</b>
POS 2041    Amer National Government	3
OR	
AMH 2020    United States History II	3
<b>Major Courses</b>	<b>45 Credit Hours</b>
<b>Alternative Energy Option.</b> 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
ETP 1500L    Alt En Inventory/Anal Lab	3
ETP 2322    Power Storage	3
ETP 1410C    Solar Energy	3
ETP 1520    Geothermal Energy	3
ETP 1510    Biofuels and Biomass	3
ETP 1550    Alt Fuel/Electric Vehicle Tech	3
EET 2214C    LabVIEW Instrumentation	3

- 
- 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.
-