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## ENGINEERING TECHNOLOGY - ALTERNATIVE ENERGY OPTION

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

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• 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.

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