Alternative Energy Technician
Associate of Applied Science Degree

Accuplacer Test Minimum Placement Scores: \Reading/Writing ENG 101 – Year 1

Length of Program: 4 semesters
Location: Coconino Community College
Cost: Funding provided by CAVIAT
Class Schedule: Monday – Thursday | 1:00 – 4:20 PM
(some classes may be offered in the evening only)
Grade Level Requirements: Juniors | Seniors

Potential Career Opportunities:
Photovoltaic Installation;
Wind Power Installation;
Sustainable Architectural Engineering

Suggested courses to be taken at the High School:
Math, Construction, English, Drafting

General Course Information:
The Associate of Applied Science in Alternative Energy Technology will provide students with the skills to pursue a career in the Alternative Energy field. The student will be instructed through mastery learning components and field study workshops arranged with local contractors. Students following this pathway and completing Eng-100 (or higher) and MAT-187 can earn a Construction Technology Certificate or completing MAT-121/122 can earn an Intermediate Alternative Energy Certificate*.

Program of Study

<table>
<thead>
<tr>
<th>First Year Fall Semester</th>
<th>Units</th>
<th>First Year Spring Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTM 111 – Plumbing*</td>
<td>3</td>
<td>CTM 124 – Building Construction Methods II*</td>
<td>3</td>
</tr>
<tr>
<td>CTM 115 – Intro to Wood Working</td>
<td>3</td>
<td>CTM 130 – Blueprint Reading*</td>
<td>3</td>
</tr>
<tr>
<td>CTM 123 – Building Construction Methods I</td>
<td>3</td>
<td>CTM 132 – Solar Water Heating*</td>
<td>2</td>
</tr>
<tr>
<td>CTM 138 – Intro to Solar applications</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year Fall Semester</th>
<th>Units</th>
<th>Second Year Spring Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTM 120 – Building the Human Environment</td>
<td>3</td>
<td>CTM 151 – House Wiring I</td>
<td>3</td>
</tr>
<tr>
<td>CTM 150 – Basic Electrical Theory*</td>
<td>3</td>
<td>CTM 235 – Solar Home Design*</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses remaining for completion of:
Advanced Alternative Energy Certificate* = CTM-133, CTM-289 and MAT-140 or higher
AA in Construction Technology* = ACC-255/256, CTM-224, CTM-253, ECN-205, MAT-160 + 37 Gen Ed. Credits (see Degree description from link on CCC’s Home Page)
AAS in Environmental Technology : Alternative Energy Technology* = CTM-211 and 27 Gen Ed. Credits (see Degree description from link on CCC’s Home Page)
AAS in Sustainable Green Building* = CTM-131, CTM-134, CTM-260, CTM-289, ENV-111 or 113 + 22 Gen . Ed. Credits (see Degree description by following Degrees & Certificates link on CCC’s Home Page)

* Please see a college advisor for details
\* Pre-requisite recommended or required
\*Certification offered

Yellow highlights indicate courses that apply toward a certificate or degree

2015-2016 Cohort Updated 09-08-2015