Energy Systems Technology

Through Arizona IBEST

Energy Systems Technology
Rio Salado College now offers a certificate in Energy Systems Technology through the Arizona IBEST program for those who want a career in building energy management. If you care about the environment and want to reduce energy use and cost, this may be a career for you.

What is IBEST?
Integrated Basic Education and Skills Training (IBEST) is for students who are studying for the high school equivalency (HSE) exam while also receiving career-specific training to help with future employment opportunities.

Classes begin September 21, 2015

Upcoming Information Sessions:
Tuesday, August 18
9 a.m. - 11:30 a.m. or 5:30 p.m. - 8 p.m.
Wednesday, September 2
9 a.m. - 11:30 a.m. or 5:30 p.m. - 8 p.m.

Call now to reserve your seat: 480-377-4050
www.riosalado.edu/energy
CCL in Energy Systems Technology

The Certificate of Completion (CCL) in Energy Systems Technology program is designed to prepare individuals who are interested in embarking on a career within building energy management or for individuals who currently work in this field and are interested in expanding their skills-based knowledge. The program content takes a systems approach, encompassing several areas related to the industry including energy management and conservation concepts, building codes, standard rating systems, blueprint reading and efficiency. Workplace safety standards are emphasized throughout the program in conjunction with lab and field-based hands-on learning experiences which augment many of the classes.

**CIPS Code:** 15.0503

### Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEN100</td>
<td>Survey of Alternative Energy</td>
<td>2</td>
</tr>
<tr>
<td>AEN 103</td>
<td>Hand Tools and Basic Maintenance for Building Energy Technicians</td>
<td>1</td>
</tr>
<tr>
<td>AEN 142*</td>
<td>Introduction to Energy Management</td>
<td>3</td>
</tr>
<tr>
<td>AEN 190*</td>
<td>Device Interface and Selection</td>
<td>3</td>
</tr>
<tr>
<td>CNS 182</td>
<td>Construction Estimating and Print Reading</td>
<td>4</td>
</tr>
<tr>
<td>GTC107</td>
<td>Technical Mathematics I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Program Overview

- Classes at Rio Salado College Downtown in Phoenix
- 32-week program leading toward certification in Energy Systems Technology
- In-person and hybrid classes
- Prepares you for the high school equivalency (HSE) exam
- Classes held Mon-Thurs from 8:00 a.m. to noon and Tues-Thurs from 12:30-2:30 p.m.
- Hands-on lab and field-based learning experiences
- Tuition assistance provided
- 8-week class schedule
- Registration fee required

### Program Prerequisites:

- A score of 30 or higher on the Arithmetic portion of the District Placement exam.
- A score of 45 or higher on the Reading portion of the District Placement exam.
- A score of 40 or higher on the Sentence Skills portion of the District Placement exam.

Note: Students who meet the TABE test results below will satisfy the Program Prerequisites.

**TABE Test results:**
- 8th Grade Math
- 9th Grade Reading
- Eligible to complete High School Equivalency

### Important Points

- Energy Systems Technology is an expanding field with strong prospects for employment opportunities in the future.
- Meet the Rio Salado College Faculty Chair who created this exciting new program.
- Learn how industry leaders participated in the formation of the program.
- Share in a discussion about the opportunities for employment and potential career pathways.

Notes: The total amount of credits required for this certificate is 16. Students must earn a grade of “C” or better in all courses required within the program.

* indicates course has prerequisites and/or corequisites.

Minimum GPA: 2.00