Matching Training to Industry Needs: Industrial Energy Efficiency Education

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In 2008, FLATE, the National Science Foundation Advanced Technological Education Center of Excellence for Florida, was commissioned to partner with FESC to prepare and execute a technician workforce plan that will put that energy workforce into place on time.

Florida’s award-winning A.S. Engineering Technology degree program was designed by FLATE to accommodate emerging or changing technologies as quickly as possible without having to add full two-year degree programs.

- Green job sectors are flourishing
- Interest in reducing operating costs by maximizing energy efficiency is attracting students at all education levels
Florida Engineering Technology AS Degree

I. General Education – 15 - 18 credit hours
- English
- Science
- Math
- Social Science
- Humanities

II. ET Core - 18 credit hours
- Computer Aided Design
- Manufacturing Processes & Materials
- Mechanics & Instrumentation
- Electronics
- Quality
- Safety

III. 10 Specialization Tracks: 24 to 27 credit hours
- Advanced Manufacturing
- Biomedical Systems
- Digital Manufacturing
- Advanced Technology
- Electronics
- Mechanical Design & Fabrication
- Digital Design & Modeling
- Alternative Energy Systems
- Industrial Energy Efficiency

60 semester hours
Industrial Energy Efficiency Specialization
for ET Degree and College Credit Certificate

Designed to prepare students for entry-level jobs as:

ENERGY AUDITOR ASSISTANTS
ENGINEERING TECHNICIANS
OPERATIONS MANAGERS

Credits earned transfer into the:

Associate in Science (A.S.) Degree
in Engineering Technology

Bachelor of Science in E.T. (B.S.E.T.) Degree
Bachelor of Applied Science (B.A.S.) Degree

FESC Workshop
May 2014

www.fl-ate.org
www.madeinflorida.org
www.flate.pbwiki.com
## Energy Curriculum offered in the Florida State College System
A.S. Engineering Technology Degree (Manufacturing Career Cluster)

<table>
<thead>
<tr>
<th>COLLEGE CREDIT CERTIFICATES</th>
<th>COLLEGES OFFERING</th>
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<tbody>
<tr>
<td>Alternative Energy Systems Specialist (CCC)</td>
<td>Broward College, Eastern Florida State College, Gulf Coast State College, State College of Florida,</td>
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<tr>
<td>18 (Primary) or 15 (Secondary) Credits</td>
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<tr>
<td>Industrial Energy Efficiency Specialist (CCC)</td>
<td>Florida State College at Jacksonville (2014)</td>
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<tr>
<td>21 (Primary) or 24 (Secondary) Credits</td>
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<th>COLLEGES OFFERING</th>
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<tbody>
<tr>
<td>A.S. ET Alternative Energy Systems</td>
<td>Eastern Florida State College, State College of Florida, Gulf Coast State College</td>
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<tr>
<td>60 credit hours</td>
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