

# Matching Training to Industry Needs: Industrial Energy Efficiency Education

**Nina Stokes, M.A., Ed.S.**

FESC Project Manager

Florida Advanced Technological Education Center of Excellence (FLATE)

[stokes@fl-ate.org](mailto:stokes@fl-ate.org)

813.259.6587

**Marilyn Barger, Ph.D., P.E.**

Executive Director

Florida Advanced Technological Education Center of Excellence (FLATE)

[barger@fl-ate.org](mailto:barger@fl-ate.org)

813.259.6578

**Richard Gilbert, Ph.D.**

Professor, Biomedical & Chemical Engineering

Florida Advanced Technological Education

Center of Excellence (FLATE)

[gilbert@fl-ate.org](mailto:gilbert@fl-ate.org)



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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



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# Florida Engineering Technology AS Degree

## I. General Education – 15 - 18 credit hours

English                      Science  
Math                         Social Science  
Humanities

## II. ET Core - 18 credit hours

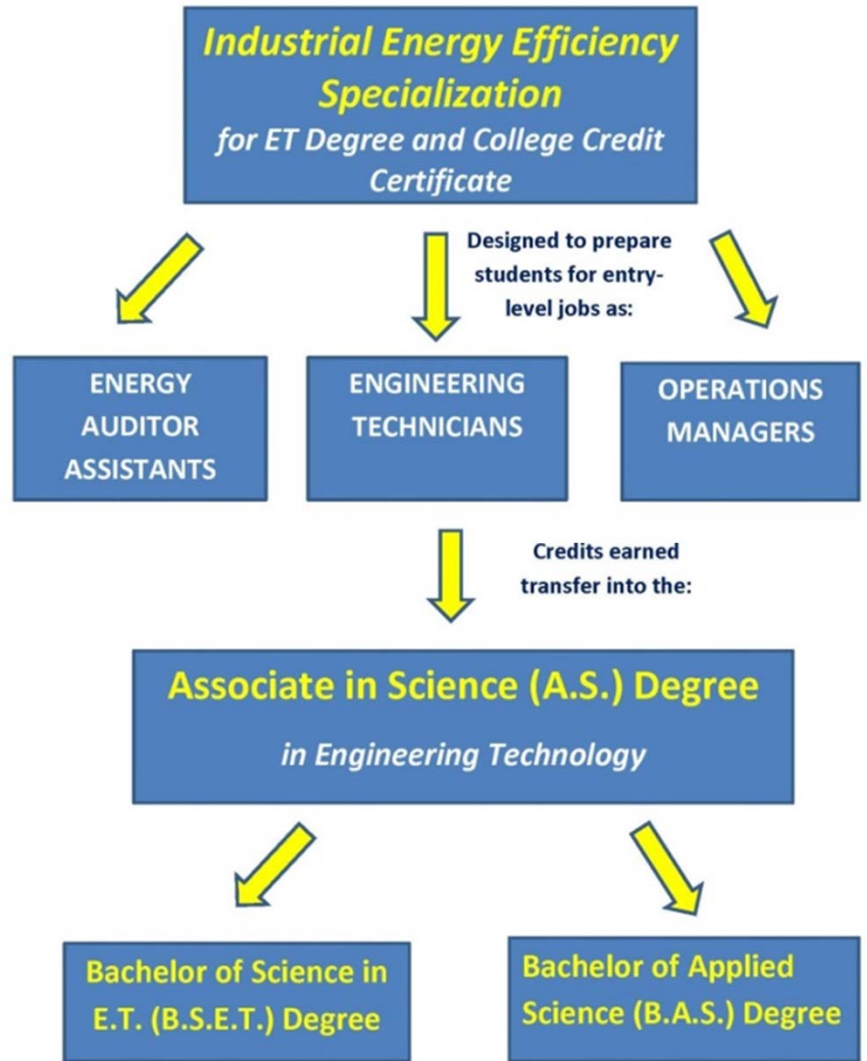
Computer Aided Design                      Electronics  
Manufacturing Processes & Materials      Quality  
Mechanics & Instrumentation              Safety



## III. 10 Specialization Tracks: 24 to 27 credit hours

Advanced Manufacturing                      Mechanical Design & Fabrication  
Biomedical Systems                          Digital Design & Modeling  
Digital Manufacturing  
Advanced Technology                      **Alternative Energy Systems**  
Electronics                                      **Industrial Energy Efficiency**

**60 semester hours**



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# Energy Curriculum offered in the Florida State College System

## A.S. Engineering Technology Degree (Manufacturing Career Cluster)

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



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