

The "Florida Plan"

Industry-aligned, credential-based technical education

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www.fl-ate.org www.madeinflorida.org

Florida Advanced Technological Education Center

FLATE

A National Science Foundation Regional Center of Excellence

.org

FLATE will be Florida's leading resource for education and training expertise, leadership, projects, and services to promote and support the workforce in the high performance production and manufacturing community.

Impact locally. lead nationally.



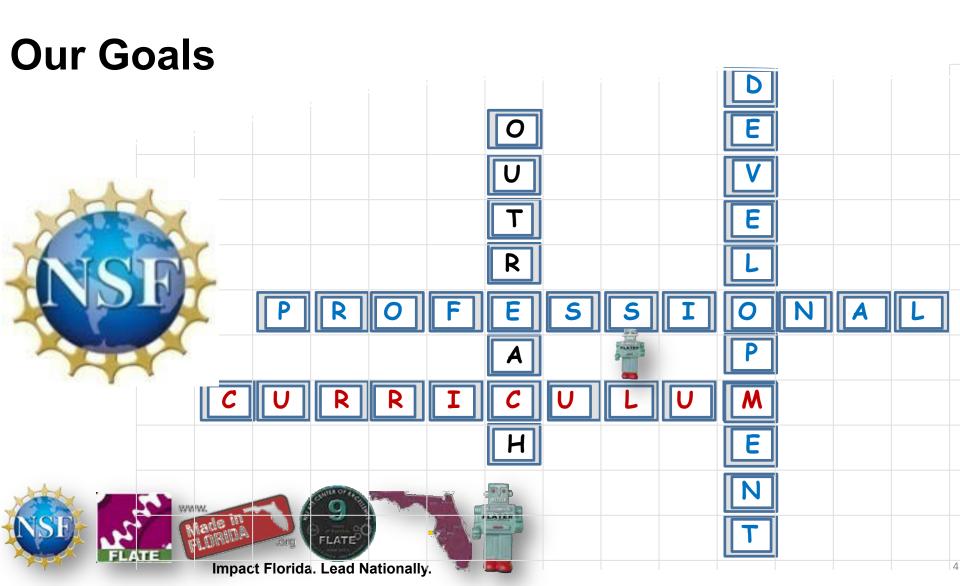
NSF Advanced Technological Education

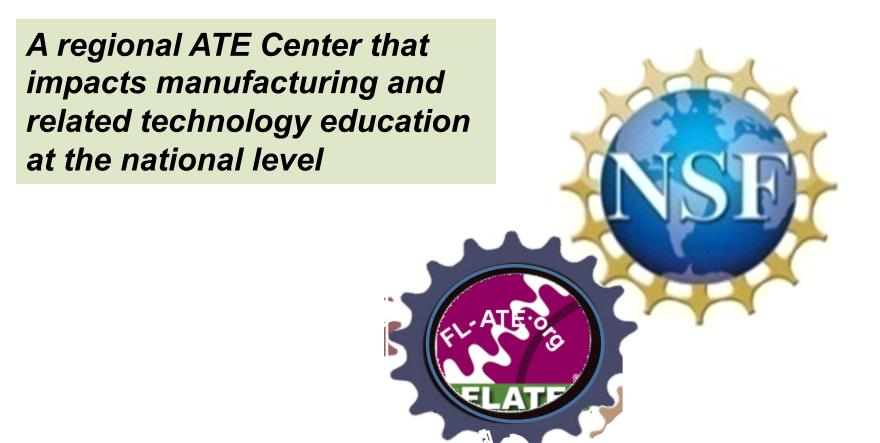


Partners with Industry for a New American Workforce



A National Science Foundation Advanced Technological Education Center of Excellence





IMPACT LOCALLY - LEAD NATIONALLY





The Florida Plan for Technical Education

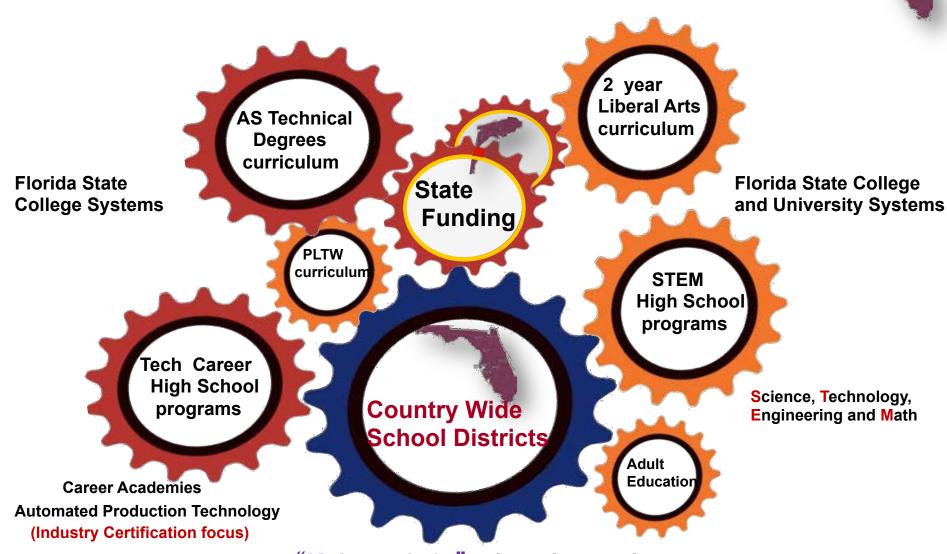
Statewide promotion of technical careers

Statewide unified A.S. Engineering Technology degree and career pathways`





The Florida Plan for Technical Education

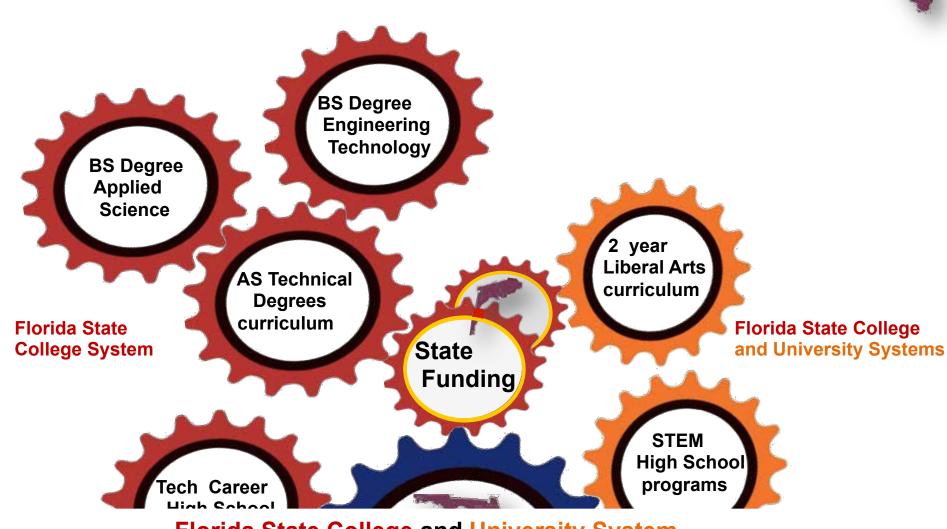


"K through 14" education options

7

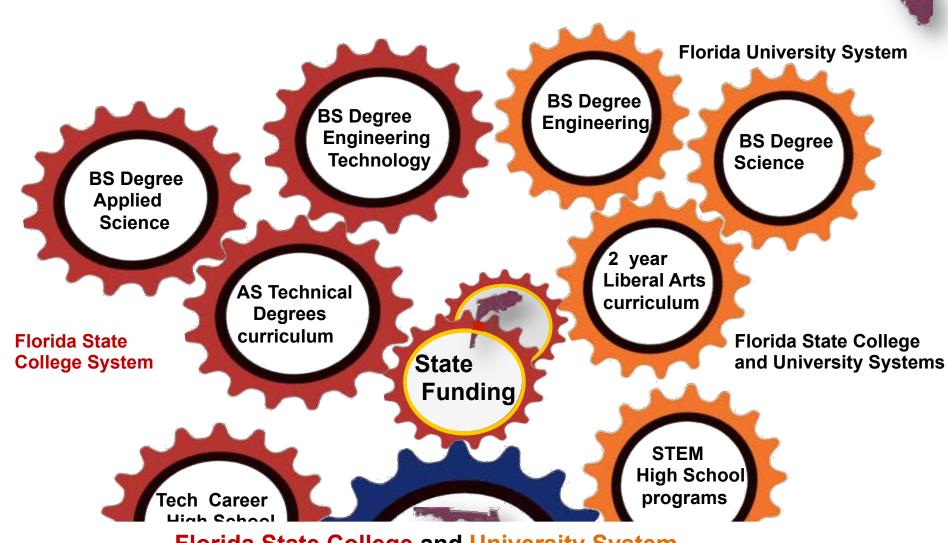


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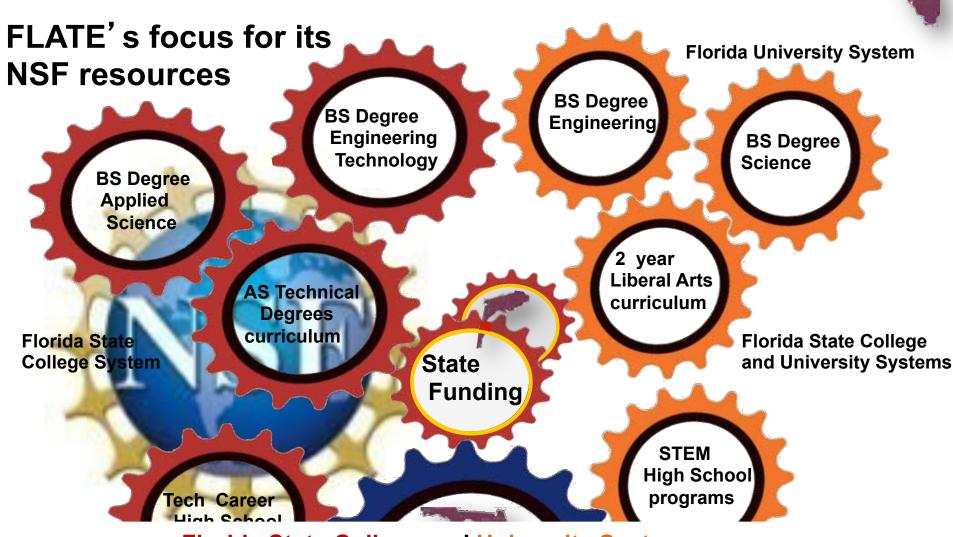


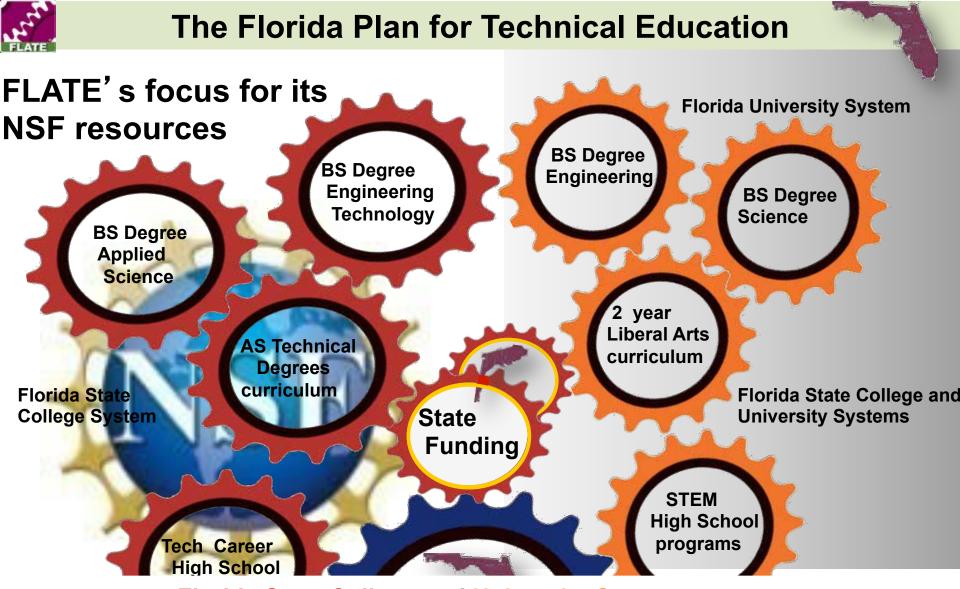
The Florida Plan for Technical Education





The Florida Plan for Technical Education







The Florida Plan for Technical Education



Criteria:

- Increase enrollment in college programs
- Minimize duplication
- Provide multiple entry & exit options
- Unify marketing and recruitment strategy and efforts
- Meet industries' needs for skilled technicians





The Florida Plan for Technical Education



Criteria:

- Align with industry recognized national certifications
- Offer consistent programs statewide
- Include statewide articulations
- Integrate industry into education process
- Provide accelerated academic programs





The Florida Plan for Technical Education



FLATE's Approach

Trained employees contribute to <u>production</u>. Educated employees create <u>productivity</u>.







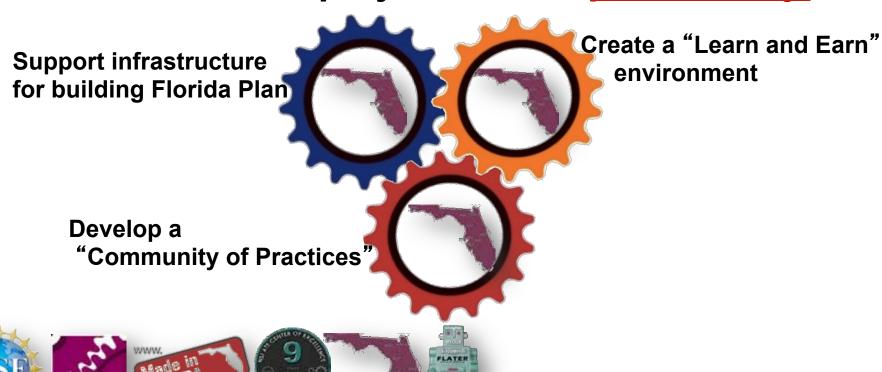


The Florida Plan for Technical Education



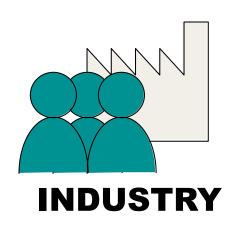
FLATE's Approach

Trained employees contribute to <u>production</u>. Educated employees create <u>productivity</u>.











outdated programs

low

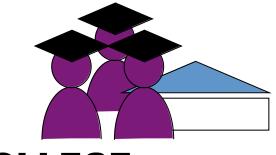
enrollments

confusing for students and industry

equipment limitations

duplication

competitive



COLLEGE PROGRAMS

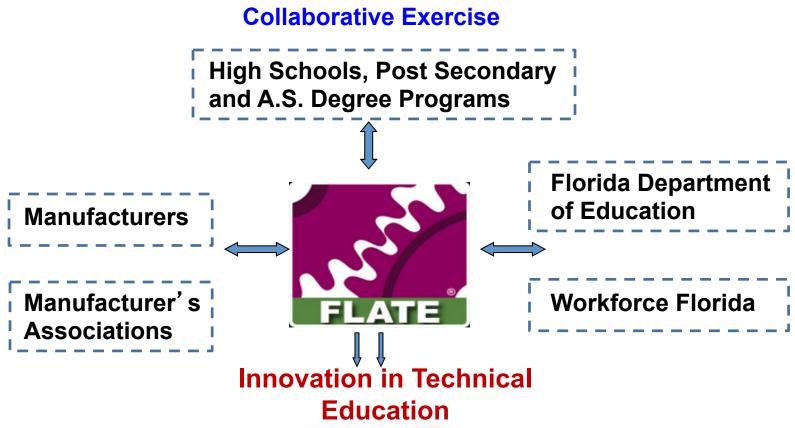






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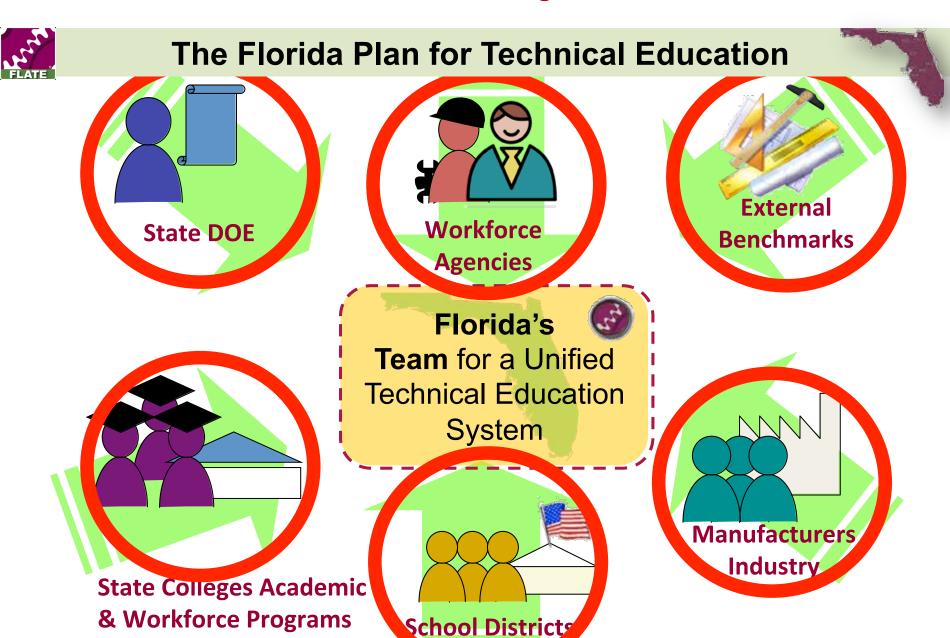


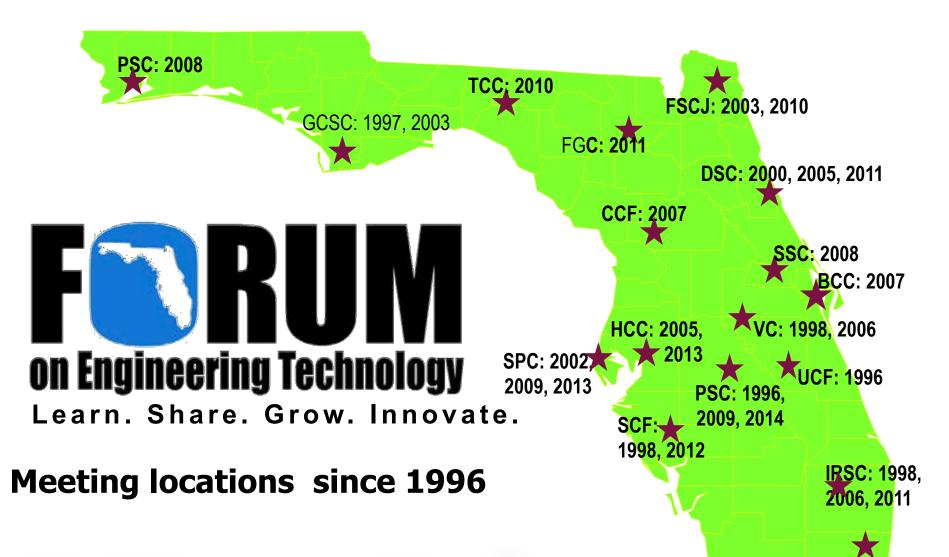












FLATER

Impact Florida. Lead Nationally.



C- 2004

PBSC: 2004

MDC: 2001











Engineering Technology A.S. Degree

60 semester hours

I. General Education – 15 - 18 credit hours

II. ET Core - 18 credit hours

III. 10 Specialization Tracts – 24 to 27 credit hours



Engineering Technology A.S. Degree

60 semester hours

I. General Education - 15 - 18 credit hours

English Science

Math Social Science

<u>Humanities</u>

II. ET Core - 18 credit hours

Computer Aided Design Electronics

Manufacturing Processes & Materials Quality

Mechanics & Instrumentation Safety



III. 10 Specialization Tracts - 24 to 27 credit hours

Advanced Manufacturing

Biomedical Systems

Digital Manufacturing

Electronics

Quality

Advanced Technology

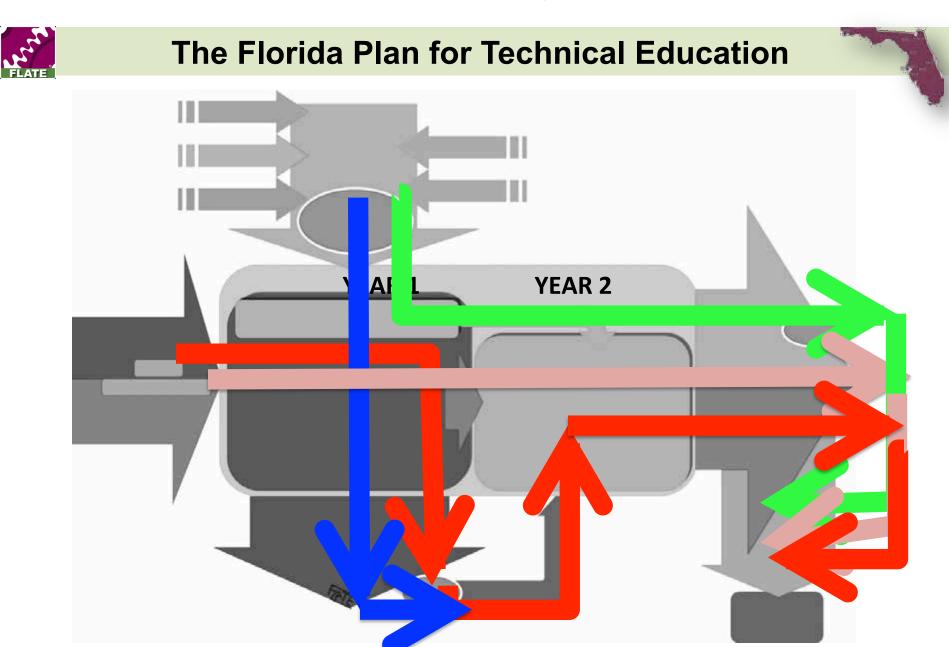
Alternative Energy System

Digital Design & Modeling

Mechanical Design & Fabrication

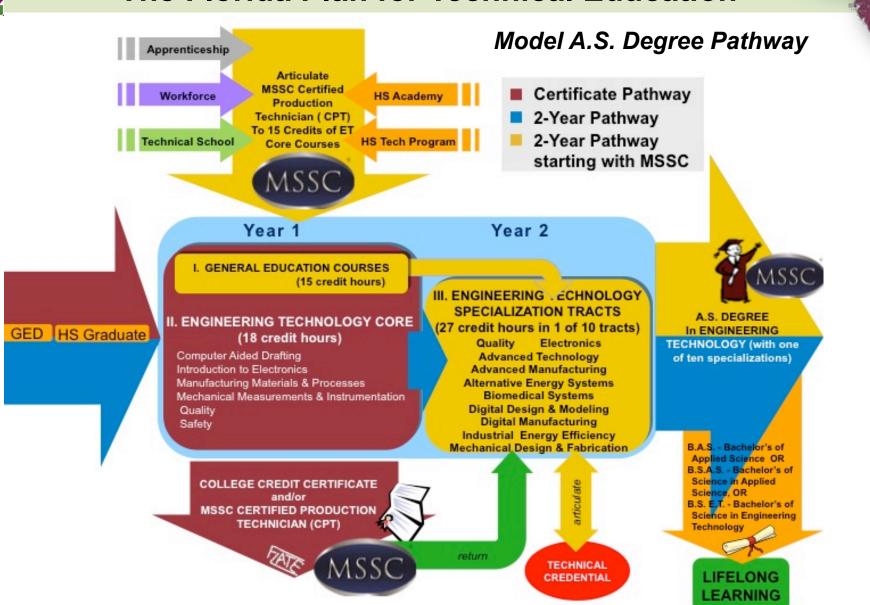
Industrial Energy Efficiency







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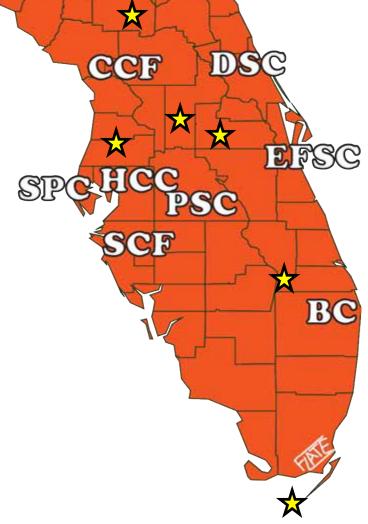




FLATE's 2014 ET Degree College Network

2012-2013 statewide ET Degree enrollment exceeds 1,000 students













The Florida Engineering Technology Degree





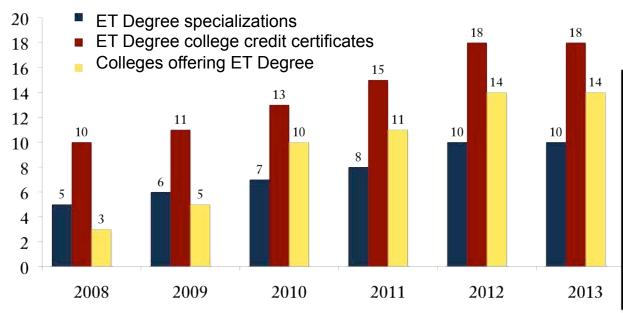




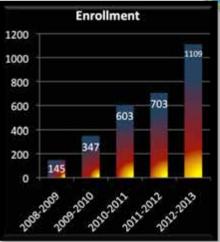
Engineering Technology

A.S. Degree

Key Milestones 2008 - 2013



· indicates the locations of colleges offering the ET Degree Program





















Florida Colleges on NAM's "M-List"





)ne Source.

- ★ Broward College
- **★I** College of Central Florida
- ★ Eastern Florida State College
- ★ Florida Gateway College
- ★ Florida State College at Jacksonville
- ★ Hillsborough Community College
- ★ Gulf Coast State College
- ★ Indian River State College
- ★ Pasco-Hernando State College
- ★ Pensacola State College
- ★ Polk State College
- ★ St. Petersburg College
- ★ State College of Florida
- ★ Tallahassee Community College



★ ET Degree Colleges







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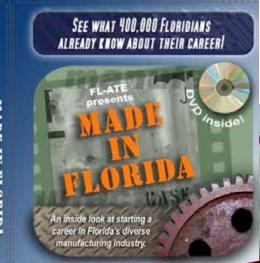














Industry Tour Resource Page

8 E

Contact Us



Have you been to the WEBSITE?

Go there!





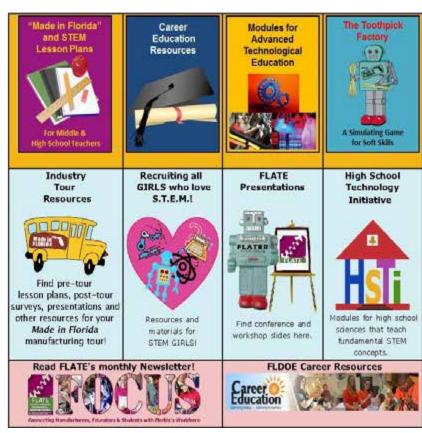


Educational Resources





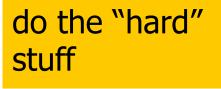
- Expanded teacher resources to K-12
- Expanded MIF tour resources
- Added resources for recruiting girls
- Added resources from workshops
 - MSSC and Machining
- Added IAC committee resources







Florida Colleges on NAM's "M-List"



define a neutral working space

"work with what you've got"

seize opportunities

accept compromise

nurture relationships

build consensus

share the "win"

listen actively

recognize others

make a team

laugh together

engender trust



Florida's Engineering Technology Degrees supporting Florida's manufacturing workforce needs





Thank you!

Marilyn Barger, Ph.D., P.E. Executive Director & P.I. FLATE, barger@fl-ate.org

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July 21 pre-conference workshops:

"Implementing a Systems Approach to Mechatronics Education"

"Building and Assessing Your Team for Effective Process Management"