



# **Paid Internship Program for Semiconductor-Related Companies**

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**Director of FLATE**



**FLATE is part of the FloridaMakes Network. FloridaMakes is the official representative of the MEP National Network and NIST MEP in the State of Florida. The MEP National Network's mission is to strengthen and empower U.S. manufacturers, emphasizing delivering tangible economic impact.**

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# OUR VISION



FLATE will drive Florida's  
world-class  
manufacturing  
workforce education and  
training.



## • Curriculum Reform and Development

- Supporting Standards and Benchmarks Development and Updates
- Helping colleges/high schools develop new programs
- Working closely with FLDOE
- Partnering with industry for current and emerging needs
- Crafting secondary lesson plans for manufacturing



## • Outreach and Student Recruitment

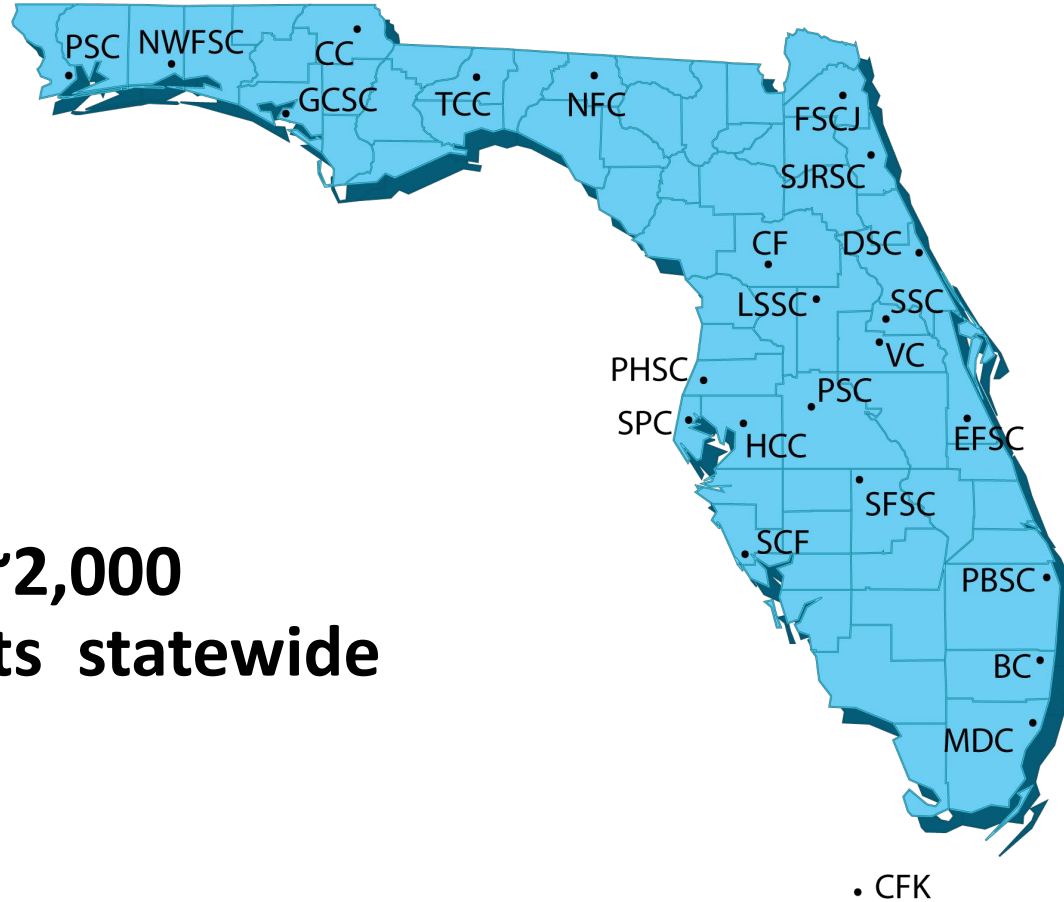
- Promote Manufacturing education ([www.madeinflorida.org](http://www.madeinflorida.org))
- Manufacturing Day/Month Student Tours
- Host Manufacturing Educator Awards program
- Publish Monthly Newsletter ([www.flate-mif.blogspot.com](http://www.flate-mif.blogspot.com))
- Support for STEM Summer Camps
- Develop and disseminate resources for recruiting girls



## • Professional Development for Educators

- Educator workshops (many venues and topics – regional, national)
- Forum for Engineering Technology Education (ET Forum)
- Conference attendance support for faculty
- Online webinars
- Program mentoring

# Florida College A. S. Engineering Technology



**~2,000  
students statewide**

**Florida College  
Engineering  
Technology  
Community**

# FLATE Support for Manufacturers



Provide information about ET/MFG related AS college programs, career & college credit certificates, career paths



Connect companies to colleges, Career and Technical Education high school programs



Connect to college & state university's faculty (technical subject matter experts)



Provide resources to help prepare for MFG outreach events



Support outreach (MFG MONTH) and educator professional development

# Opportunities for Industry to Engage



Provide CTE Work-based Learning opportunities- Student/Educator

- internships/apprenticeship
- Project-based/skills-based learning activities



Participate /judge in local, regional, state STEM / MFG competitions and Fairs (TSA, SkillsUSA, FIRST robotics)



Visit Classrooms

- CTE MS/HS or post-secondary
- careers or technology
- virtual or in-person



Host/participate in a MFG Event

- virtual or in-person tour
- virtual or in-person presentation
- industry panel/expo



Participate in FLATE MFG Educator Awards

- judge & recognitions
- sponsor



Join MFG Curriculum Advisory Board

- review curriculum/frameworks, identification
- Participate in ET Tech talks, ET Forum, webinars as presenter/panelist



# Tools, Tips, Activities



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## Welcome to FLATE



The Florida Advanced Technological Education Center (FLATE), a National Science Foundation Center of Excellence in high-technology manufacturing, is the go-to organization for manufacturing and advanced technical education, best practices and resources supporting the high performance skilled workforce for Florida's manufacturing sectors. FLATE provides exemplary industry partnerships, workforce opportunity, and educational synergy throughout the state of Florida by connecting industry and workforce needs to targeted educational endeavors at many community and state colleges across Florida.

## Made in Florida

FLATE has built a web portal for students in middle and high schools where they can learn about the wonderful, profitable opportunities in considering manufacturing as a career choice. Every day, we enjoy things that many people don't realize were made in Florida. Behind every product and technology we use, there is a world of manufacturing. Today, in Florida, more than 20,000 different companies and 380,000 people work in the manufacturing field. The site has areas of information and resources for students, educators and industry. Visit [MadeInFlorida.org](http://MadeInFlorida.org)



The screenshot shows the homepage of the Made in Florida website. At the top, there is a navigation menu with links for Industry, Careers, Students, Educators, and Contact Us. Below the menu is a large banner image of kayaks on a beach with a 'Made in Florida' stamp. Underneath the banner are several buttons: Earn Your E.T. Degree, Find a Great Career, Hire a Graduate, Company Overviews, and Educational Outreach. The main content area features a paragraph about the manufacturing industry in Florida, followed by a section for the Florida MFG 2022 event, including a logo and social media information (#FLMFG2022).

[www.madeinforida.org](http://www.madeinforida.org)

Welcome to

The banner for FLATE's wiki features the FLATE logo on the left and the text 'FLATE's wiki' in a large, stylized font. Below this, it says '...full of great FREE RESOURCES for you!' and 'www.MadeInFlorida.org'. A small 'Made in Florida' logo is also present on the right side.

(CLICK ON IMAGES BELOW)

<p>Made in Florida STEM Lesson Plans For Elementary, Middle &amp; High School Educators</p>	<p>Career Planning Resources</p>	<p>Modules for Advanced Technological Education</p>	<p>The Toothpick Factory A Simulating Game for Soft Skills</p>	<p>Student Activity Sheets Made in Florida 2015 TEACHER'S GUIDE</p>
<p>Industry Tour Resources</p>	<p>WM WOMEN IN MANUFACTURING Resources for Girls</p>	<p>FLATE Presentations, Meetings &amp; Webinars</p>	<p>Professional Development Opportunities for all Educators</p>	<p>Camp Resources STEM Summer Camps Robotics &amp; Energy Car Resources for everyone</p>

[www.flate.pbwiki.com](http://www.flate.pbwiki.com)





# Paid Internship Program

- The Florida Semiconductor Institute (FSI), in partnership with the NSF-funded Central Florida Semiconductor Innovation Engine, offers a paid internship program for semiconductor-related companies.
- This program will allow university, state college, technical college, and even high-school students from across the state to participate in paid internships for up to 12 weeks.
- FLATE will lead the recruitment, placement, and management of the Florida semiconductor internship program's recruitment, placement, and management.
- We are meeting with interested semiconductor-related companies to prepare for the paid internship program.
- We have grant funding to reimburse your company for interns for up to 12 weeks each intern.
- You will hire and pay them as usual, and we will reimburse you directly.

# Paid Internship Program

- We have close to 400 students interested in this program.
- Each intern will complete three short bridge courses (about 60 minutes each) before starting the internship.
  - 1. What is the Semiconductor Industry?
  - 2. What jobs are available at semiconductor companies?
  - 3. What is it like to work in a clean room?
- If funds are available, we can pay interns' year in spring, summer, and fall.

# Paid Internship Program

This is the maximum we can pay based on a 12-week internship. Some internships may be fewer weeks, or you may pay less.

Level	Rate/Hr	Rate/Week	Rate/Month	Weeks
High School	\$18.00	\$720	\$2,880	12
Tech/State College 1	\$22.00	\$880	\$3,520	12
Tech/State College 2	\$24.00	\$960	\$3,840	12
University Soph	\$25.50	\$1,020	\$4,080	12
University Junior	\$26.30	\$1,052	\$4,208	12
University Senior	\$28.00	\$1,120	\$4,480	12
University Grad	\$27.60	\$1,104	\$4,416	12

# Questions?

Please Contact Ernie Friend to learn more about the paid internship program

[Ernie.Friend@flate.org](mailto:Ernie.Friend@flate.org)