



Celebrating Career & Technical Education (CTE) Month!

In Florida, all 67 school districts, 28 Florida colleges and 48 technical colleges/centers offer high-quality CTE coursework, certifications, skills-based education, and degrees. FLATE, with the Florida Department of Education and FloridaMakes, continues to support quality CTE programs, providing resources for educators, students, and industry.

To help amplify the impact of CTE Month, **Get There**, Florida's workforce education initiative, has provided a **Comprehensive Toolkit** that includes Myths & Facts about CTE, Social Media content, press releases and more.

MYTH:

CTE programs are only for students who don't plan to attend college.

FACT:

CTE programs can complement college-bound students' education by providing them with practical skills and real-world experience.



FLATE Webinar Series

February 23, 2024 10 AM ET

Leveraging an Open Lab to Provide Greater Access for Students in Your Manufacturing Program

April 18, 2024 1:30 PM ET

Overview of AI in Manufacturing

April 26, 2024 10 AM ET

Best Practices for Your CNC Course or Program



Register Now



All webinars are free to attend. Certificates of attendance available upon request. If you missed the 2/2/24 Webinar on Overview of Teaching PLCs, scroll down to the Resources section for the link to the recording.

Register now for the Spring 2024 ET Forum
April 4-5, 2024 - Bradenton, FL

FORUM
on Engineering Technology

Register Now

STATE COLLEGE OF FLORIDA
MANATEE-SARASOTA

Spring 2024
ET Forum



FLATE News

FLATE Announces the Hiring of Regional Education Ambassadors in Orlando, Sarasota and the Panhandle

FLATE and FloridaMakes have created three new **Regional Education Ambassador (REA)** positions. These REAs are critical to advancing FLATE's mission throughout regions of Florida. The Regional Education Ambassadors will help build awareness of FLATE's and FloridaMakes resources and programs among the region's educators, students, and community stakeholders. They will organize and participate in workshops, conferences, and outreach events to share FLATE's expertise and initiatives. They will develop relationships with key education, industry leaders, and community partners in their region, create Manufacturing Month activities, host Speed Networking events, and organize industry tours. Most importantly, they will mentor and encourage students to pursue careers in manufacturing.

If you are in the Panhandle, Orlando, or Sarasota, don't hesitate to contact your Regional Education Ambassador and let me know about existing engagement opportunities or ideas for creating new ones.



[Mariellen Batchelor](#)
Orlando



[Lordana Guillaume](#)
Sarasota



[Kayla Martin](#)
Florida Panhandle

Updating Florida's Engineering Technology Career Pathways - Next Steps

Florida's Statewide Course Numbering System (SCNS) provides an online database of postsecondary courses at public vocational-technical centers, community and state colleges, universities and participating nonpublic institutions. The assigned numbers describe course content to improve research, assist program planning, and facilitate the transfer of students.



For several years, FLATE has been working on updating the AS degree in Engineering Technology (ASET) pathways. Working collaboratively with the Florida Department of Education and state/community colleges across Florida, FLATE has now developed a comprehensive ET Course Database that provides a list of all eleven ASET degree specializations and the courses currently offered at Florida's colleges. At this time, the database focuses on the technical specialization tracks only -- the technical ASET core courses will be added in 2024.

Dr. Marilyn Barger, senior education advisor for FLATE, says the SCNS together with the new ET Course Database offers an effective way for colleges to adopt the same courses across the state. The goal is that one or two courses become the preferred courses to meet

particular state standards and benchmarks and that all colleges will adopt these as they go through regularly scheduled curriculum reviews.

More info & Access to Course Database

STEM Fairs in Florida a Way to Support the Next Generation of Skilled Workforce



The STEM Fair season has begun for 2024 and Danielly Orozco-Cole, Career and Technical Education Program Manager for FLATE, was part of the Bay Area Manufacturers Association (**BAMA**) team of volunteers who had the opportunity to review, interview, and judge some of the best engineering-manufacturing related K-12 projects. The Pinellas Science and Engineering Fair, held at Countryside High School on February 3rd in Clearwater, and the Hillsborough STEM fair, held at the Tampa Convention Center on February 7th, showcased more than 1,400 elementary, junior, and senior projects.

FLATE continues to encourage Florida’s talented students to pursue STEM and manufacturing-related careers. Everyone can help by supporting student STEM events in your area by volunteering as a subject matter expert or mentor and/or as a judge for your county's school district STEM Fair.



Read full article

Judges Needed at Florida Student Competitions!



TSA Florida Competition
February 22-24, 2024
Orlando, FL

Become a Judge!



Skills USA Florida Conference
April 14-17, 2024
Jacksonville, FL

Become a Judge!

Upcoming Events

REGISTER HERE:



Haas Technical Educators Conference
MARCH 15 & 16
8:30AM TO 4PM
ghaasfoundation.org

2 DAY CONFERENCE & TEACHER TRAINING

HOSTED BY:

PALM BEACH STATE COLLEGE
1933-2023 ANNIVERSARY



FLORIDA

HAAS Technical Educators Conference (Free)
Palm Beach State College
March 15-16, 2024
8:30 AM - 4pm

Connect, share, learn, and network with other CNC educators and industry experts. Enjoy continental breakfast and lunch both days. Educators from all regions are free to attend any regional HTEC conference.

Register for HTEC

**ATE Office Hours: ATE and Economic Development
Data from the Hidden Innovations Infrastructure Team
March 26, 2024 - 1PM - 2PM ET**



Unpack data collected by the Hidden Innovations Infrastructure (HII) research project housed at Rutgers University Education and Employment Research Center (EERC). HII worked with the

EvaluATE team to include questions in the 2023 annual survey designed to help unravel what economic development (ED) means to NSF ATE grantees and their projects. Many ATE projects reported that they had a stated goal that addressed economic development. What does that mean, and what does that look like? How can a good relationship with ED enhance our work? Join ATE Central and the HII team as they share the analysis of the survey results and learn more about what other ATE grantees are thinking about ATE and ED, and how we can all make the most of these relationships.

[Register Today!](#)

**CyAD Conference: Cybersecurity Across Disciplines
June 12-13, 2024, Moraine Valley Community College
Call for Proposals - Due March 15**



An opportunity to learn how cybersecurity intersects with your discipline. Discover how to integrate new technologies into your classroom and gain a broader understanding of cybersecurity's role in different disciplines.

[For Info and to Submit your Proposal by March 15](#)

**ASEE 2024 Annual Conference and Expo
Portland, OR - June 23-26, 2024**



Whether you're a teacher striving to enhance your pedagogical approach, a professor with innovative insights to share, or a professional shaping the future of the industry, the American Society for Engineering Education Conference is your platform for empowerment and growth.

[Early Registration now open!](#)



**58th Annual FAcTE
Conference & Trade Show
Call for Presentations -
Due by February 15th!**

The Florida Association of Career & Technical Education is the only organization in the state that is solely dedicated to representing the interests of career and technical educators.

[Click here to join.](#)

[FAcTE Call for Presentations Due by Feb](#)



Hotel Reservations now being accepted - Registration opens March 15

HI-TEC Call for Proposals - Due Feb
29

Opportunities

Summer Research Programs for Educators & Students



**Texas A&M University
Summer Program
for High School Teachers
June 3 - July 12, 2024
Stipend: \$1,000 per Week +
\$1,500 upon Completion**

This six-week National Science Foundation Research Experience for Teachers offers high school teachers the opportunity to learn about Machine Learning (a type of AI) and Smart System Design through a workshop, build a smart device, learn about related career paths from Industry speakers, and develop a learning module for classroom teaching. Schools are encouraged to send at least two faculty members to the program.

To apply



**Paid Summer Research
Programs for Students
All STEM Disciplines**

Most programs offer both a stipend and housing and travel support. Programs range across all STEM disciplines and all areas of the country. Deadlines are coming right up for most programs!

- **390+ programs for undergraduates**
- **25+ programs for graduate students**
- Use our **advanced search page** to filter programs by multiple criteria

www.pathwaystoscience.org

\$35 million Awarded to Florida Grant Recipients for Semiconductor-Related Programs



The Florida Department of Education has awarded more than \$35 million in funding from the Workforce Development Capitalization Incentive Grant Program to **27 Florida school districts and 8 Florida College System institutions** to create or expand semiconductor-related instructional programs for students. \$100 million was allocated to the program to fund costs associated with the creation or expansion of career and technical education workforce development programs that lead to industry certifications included on the CAPE Industry Certification Funding List. School districts and Florida College System institutions can apply for the grant. **Click here for more information about the application process.**

**2024 Community College Innovation Challenge (CCIC)
for your STEM Students - Apply by April 2
Travel to D.C. + Compete for Cash Awards**

The Community College Innovation Challenge (CCIC) is a national competition



where community college student teams, working with a faculty or administrator mentor, use science, technology, engineering and mathematics to innovate solutions to real-world problems; receive full travel support to attend Boot Camp in Washington, D.C.; and compete for cash awards of up to \$3,000 per team member.

Information sessions:

- The Community College Innovation Challenge – Why You Should Apply! - February 29, 2024 3:00 – 4:00 p.m. EST - To register, **[click here](#)**.
- The Community College Innovation Challenge – Why Your Students Should Apply? **[Watch recording](#)**.

For Eligibility Rules and to Apply by April 2!

Inclusive STEM Teaching Project Online Course March 4 - April 26



The **[Inclusive STEM Teaching Project](#)**, a NSF Improving Undergraduate STEM Education program, is hosting a six-week Massive Open Online Course (MOOC) via edX. Join over 11,000 faculty, postdocs, graduate students, and staff. There are also optional learning communities at institutions around the country. If you are interested in joining a learning community, please express that interest **[here](#)**.

Register for Online Course

Mentor Up Pre-Application Mentoring Program Apply by March 15



Do you have an idea for a National Science Foundation Advanced Technological Education (NSF-ATE) proposal? Register for our Pre-Application Mentoring Program! Work with a mentor for up to 10 hours to develop your application. Up to two faculty from your team will be eligible to receive a \$250 stipend.

For more info and application

Resources

FLATE Webinar Series - Watch on Demand

- **[NEW! Overview of Teaching PLCS - Added Feb 2024](#)**
- Developing Local Articulations to Increase Enrollment in College Programs
- How to Create Work-based Learning Opportunities
- Recruiting Strategies Best Practices
- Robots for AI and Industry 4.0 Training and Demo
- Creating Videos using Classroom Projects and Student Success Stories
- How to Increase Student Diversity in ET Programs
- How to Develop ET Dual Enrollment or Early College Programs
- Cybersecurity for Manufacturing Series (4-part)

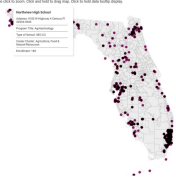


View Webinars on Demand

FLATE Resources



Academic Programs at Secondary Education Curriculum Initiatives that Support Manufacturing



FLATE's Manufacturing Matters Dashboard

A tool highlighting manufacturing education, careers, industry, and their impact on Florida's economy.

[Click here for FLATE's Manufacturing Matters FL Dashboard](#)

Florida Department of Education Resources



With Career, Technical and Adult Education (CTAE), you can train for a better career quickly and affordably.



Apprenticeship programs are a proven training method benefiting job seekers and businesses.

Check Out Our Previous Newsletters:
[Jan 2024 Focus](#) | [Dec 2023 Focus](#) | [Nov 2023 Focus](#) | [Newsletter Archive](#)

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