

FLATE FOCUS

August 2025

FLATE would like to welcome all educators to the 2025-2026 academic year and thank each of you for your dedication to helping students succeed.

Upcoming FLATE Events

Fall 2025 ET Forum - September 11-12, 2025



NORTHWEST FLORIDA
STATE COLLEGE

September 11 - 8:30 AM - 5:30 PM
September 12 - 8:30 AM-1:00 PM

Northwest Florida State College
100 College Blvd East
Building 400, Room 302
Niceville, FL

Whether you're a Florida ET educator seeking best practices, an industry partner looking for skilled talent, or a student advocate passionate about the future of technology, the ET Forum offers an unmatched opportunity to influence, collaborate, and make an impact. Originating as a platform to align education with the evolving needs of the manufacturing and engineering sectors, the ET Forum has grown into a statewide think tank where innovation meets workforce development. It's where groundbreaking ideas are shared, partnerships are formed, and strategies are developed to prepare the next generation of skilled professionals.

Watch the ET Forum video, created by the NSF Grant Team for FLATE's latest NSF grant project, to learn more.

[Register here](#)

[Watch 1-min Video](#)

FLATE Engineering Technology (ET) Mentorship Meetings Fall 2025 Schedule: 1st Mondays at 11:00 AM

Please join us on the first Monday of the month 11:00 AM - 12:00 PM ET starting on October 6th for our Monthly ET Mentorship meeting. The ET Mentorship meeting is designed to help new faculty with questions about curriculum, labs, advisory committees, and much more. We also invite experienced faculty to share their knowledge

with new faculty and help promote the ET degree. Please send the invitation to others who may be interested.

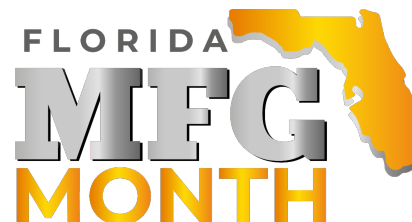


[Register here](#)

Get Ready for Manufacturing Month (October)!

Help inspire students to become the next generation of high-tech workers for the manufacturing industry that drives our economy!

The FLATE webinar held on August 26th covered strategies and best practices to help you maximize your Manufacturing Student Event. Held annually on the 1st Friday in October with events that continue throughout the month, the idea is to encourage manufacturers to open their doors to invite schools, educators, legislators and others to learn about modern manufacturing and the great careers it has to offer.



Watch the 30-minute webinar recording on demand for step-by-step instructions on planning your successful student event!

[Watch On Demand](#)

[MFG Month Resources](#)

FLATE News

A.S. Engineering Technology *Advanced Manufacturing* Specialization Updated to *Automation and Manufacturing*!

FLATE's current NSF grant funding has been used to gather industry input on Florida's *Advanced Manufacturing* associate in science engineering technology (A.S.ET) specialization. We'd like to thank all the industry partners as well as the ET program managers and faculty who responded to surveys to update the Florida Frameworks (Standards and Benchmarks) to meet manufacturing industry needs in the changing technological landscape. The task is now complete, and the document will be posted soon on the FLDOE site for the 2026-2027 academic year. Since the changes are considered an "update" to the existing specialization, the "old" *Advanced Manufacturing* Framework will be in a "teach-out" period for the next two academic years, and the specialization with updated skills will now be called *Automation and Manufacturing* going forward.

Updating Florida's ET Career Pathways

NSF Due #2148138 (2021 - 2025)



[View the Updated Standards](#)

FACTE Annual Conference & Trade Show: Continuous Excellence Supporting CTE Professional Development

The 59th FACTE annual conference and trade show,

held July 20-23, in Orlando, Florida, hosted 650+ participants, 40 vendors, and over 100 professional development sessions, representing all areas of CTE education. Sessions coordinated by FLATE-FAITE featured:

- Leveraging Summer Camps to Boost CTE Program Engagement
- FLATE Award Winners Best Practices Panel
- Flip the Classroom: Allowing AI and PBL to Reshape the Classroom, and
- Building Effective Advisory Committees for your Tech Programs.



The 2025 FLATE Education Award winners were proudly honored during the Annual FAITE Awards Brunch on Wednesday, July 23rd, recognizing their outstanding contributions to technical education and workforce development.

[Read full article](#)

Process Control Workshop for Operations Technicians

Please respond if interested in participating!

At the annual HI-TEC (High Impact Technology Exchange Conference) last month in Minneapolis, MN, FLATE's NSF ET Pathways Grant presented a half-day, hands-on workshop focused on the fundamentals of process control. Process Control is typically a feedback control loop that consistently calculates the "offset" value and applies a correction to bring the system being controlled closer to its setpoint (temperature, flow rate, voltage, etc.). These models are extremely important for Industry 4.0 implementations, including implementations that look like straightforward updates to Industry 3.0 systems.



We are considering offering a 1-day version of this Process Control workshop in Florida this fall. The workshop would be free to faculty and teachers. Please contact Marilyn.Barger@flate.org if you are interested.

[Read full article](#)

Events & Opportunities



Lab Link Trip
September 5, 2025
9:30 AM - 3:30 PM

[FSI Lab Link](#) is a new initiative to

Florida Forward: Semiconductor
Edge Webinar
September 24, 2025 - 8:00 PM

Florida is fast becoming a critical player

connect students across Florida through research discussions, lab visits, and networking. This program allows students to exchange ideas and contribute to advancements in the semiconductor ecosystem at the state, national, and global levels.

Who Can Apply?

Students who are working on semiconductor-related research. Limited to 10 students per visit.

[Students Apply Here](#)

in the global semiconductor landscape. This global webinar brings together public and private leaders from Florida, South Korea, and Taiwan to spotlight transformative initiatives, regional strengths, and emerging opportunities. From cutting-edge research to strategic partnerships, discover how Florida is shaping the future of semiconductor innovation—and how you can be part of it.

[Register Here](#)

MakeMore Manufacturing Summit October 22-23, 2025



[Register Here](#)

10th Annual Manufacturing Education 5K October 26, 2025



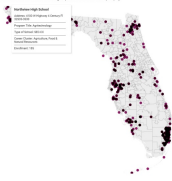
Registration is now open for participants who wish to run, walk, or volunteer at the event at www.mastercuttool.com/race. This event, presented by Mastercut Tool Corp. and the Shaluly Foundation, LLC, supports our ongoing mission to provide scholarships and opportunities for students pursuing careers in the vital field of manufacturing. In the past 9 years, \$232,000 has been distributed to deserving students.

[Click here to reach out to discuss how you can become involved.](#) Sponsorships include a table at our event expo and adding your promotional items to our participants' goodie bags.

[Register or Become a Sponsor!](#)

FLATE Resources

Academic Programs at Secondary Education Curriculum Institutions that Support Manufacturers



FLATE's Manufacturing Matters Dashboard

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

Manufacturing Matters
Dashboard

FLATE Webinar Series - Watch on Demand

- Insights into the Workforce of the Future (April 2025)
- AI & Machine Learning Workshops (March & April 2025)
- Data Analytics in Manufacturing (November 2024)
- Necessary Skills Now: Resources for Integrating Employability Skills into Technical Programs (October 2024)
- Edge Computing: A Feasible & Integrated Approach to Collecting System Data
- A Universal Programming Approach for any make of Programmable Logic Controllers (PLCs)
- Best Practices for your CNC Course or Program
- Overview of AI in Manufacturing
- Overview of Teaching PLCs
- Leveraging an Open Lab to Provide Greater Access for Students in your Manufacturing Program
- 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.org

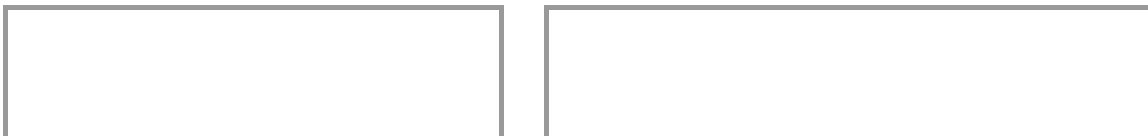


FLATE wiki



madeinflorida.org

Florida Department of Education Resources





Florida's Workforce Education Initiative

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.

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