# Welcome to the
# Fall 2021 ET Forum!

Scan QR Code to Complete the Kick-Off Poll



https://www.surveymonkey.com/r/FALL2021ETFORUM

**The ET Forum will begin at 9:00 AM.**

# Welcome to the Fall 2021 ET Forum
## AGENDA

| | | |
|---|---|---|
| 8:30 AM | Vendor Showcase & Continental Breakfast | Outside Windsong 1-4, Hyatt |
| 9:00 AM | Welcome - Agenda – Announcements | Sam Ajlani, Brad Jenkins, Marilyn Barger |
| 9:15 AM | College Updates (All)<br>• Faculty, Courses, Certs, Equipment, Enrollment | Sam Ajlani, Marilyn Barger |
| 10:20 AM | FLDOE Updates | Bob Blevins, State Supervisor |
| 10:35 AM | Vendor Showcase | |
| 10:45 AM | Committee Updates | Sam, Ron, Mori, Brad |
| 11:00 AM | FLATE 2.0 | Kevin Carr, Marilyn |
| 11:15 AM | Industry Panel | Mori Toosi, Ron Eaglin, Pete Cirak, Kon Champavannarath |
| 11:45 AM | Closing Announcements/next meeting | Sam, Marilyn |

# Other Education Institutions & Organizations

| |
|---|
| USF |
| FAMU |
| UF |
| FLDOE |
| EDC Space Coast |
| FloridaMakes |
| Inquiry Research Group |

# Vendors

| |
|---|
| Adams Air |
| Autodesk |
| Bluegrass Education Technologies |
| TestEquity |
| D. C. Jaeger Education |
| Technical Training Aids |
| SES Labs |
| SMC International Training |

# Special Guests

| |
|---|
| Seal Dynamics |
| Pallet One |
| CMC Steel |

Thanks for your support!

**F RUM**
on Engineering Technology

FLORIDA DEPARTMENT OF EDUCATION
fldoe.org

www. Made in FLORIDA .org

FLORIDA FLATE
ADVANCED TECHNOLOGICAL EDUCATION CENTER

part of the FloridaMakes network

**State College Updates**

| | |
|---|---|
| Broward College | Lake Sumter State College** |
| Chipola College | Northwest Florida State College** |
| College of Central Florida** | Palm Beach State College** |
| College of the Florida Keys | Pasco Hernando State College |
| Daytona State College | Pensacola State College |
| Eastern Florida State College | Polk State College |
| Florida Gateway College | Santa Fe College |
| Florida State College at Jacksonville | Seminole State College |
| Florida Southwest State College | South Florida State College** |
| Gulf Coast State College | St. John's River State College |
| Hillsborough Community College | St. Petersburg College** |
| Indian River State College | State College of Florida |
| Miami Dade College | Tallahassee Community College |
| North Florida College | Valencia College |

FDOE
Update
ET Forum
Oct 26ʰ
2021

GET THERE
Florida's Workforce Education Initiative

GetThereFL.com

FLORIDA DEPARTMENT OF
EDUCATION
CAREER AND ADULT EDUCATION

**Overview:**
New 2020 USDOE CIP Code Changes
ET Degree
2022 ET AS Framework Reviews
Daggered Programs
HB 1507

GET THERE
Florida's Workforce Education Initiative

GetThereFL.com

FLORIDA DEPARTMENT OF EDUCATION
CAREER AND ADULT EDUCATION

# Engineering Technology AS 1615000001

## Alternative Energy Specialization

## Alternative Energy Systems Specialist CCC

**2020-21 Old CIP # 0615050303**

**2021-22 New CIP # 0615170103**

## Rapid Prototyping Specialist CCC

**2020-21 Old CIP # 0615000012**

**2021-22 New CIP# 0615130211**

GET THERE
Florida's Workforce Education Initiative

FLORIDA DEPARTMENT OF
EDUCATION
CAREER AND ADULT EDUCATION

# Engineering Technology (cont.)

## Composite Fabrication and Testing CCC

**2020-21 Old CIP # 0647061608**

**2021-22 New CIP # 0615061700**

# Electronics Engineering Technology AS
# 1615030301

## Solar Energy Technician CCC

**2020-21 Old CIP # 0615050517**

**2021-22 New CIP # 0615170301**

# New Program Request Procedure

# New Program Request

- **New Program Request Forms (Now Available)**
- **CTE Program Resources Page**
- **AS Degree**
- **AAS Degree**
- **College Credit Certificate Programs**
- **Career Certificate Programs**
- **Secondary Programs**
- http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml

# Engineering & Technology Framework Review

GET THERE
Florida's Workforce Education Initiative

GetThereFL.com

FLORIDA DEPARTMENT OF EDUCATION
CAREER AND ADULT EDUCATION

# 2022 Framework Review of the Engineering Technology AS Degree

- **Option 1:**
  - Conduct the ET core in person as a group at the next ET Forum (Spring)
  - Split into working groups for each specialization

# 2022 Framework Review of the Engineering Technology AS Degree

- **Option 2:**
- Conduct a virtual meeting to complete the ET Core (all colleges)
- Conduct 11 separate virtual meetings for each specialization
- Spring 2022

# Manufacturing 2022 Program of Work

GET THERE
Florida's Workforce Education Initiative

GetThereFL.com

Florida Department of
EDUCATION
CAREER AND ADULT EDUCATION

# Manufacturing Framework Reviews 2022 for School Year 2023-24

- *Secondary:*
- Industrial Biotechnology (8736000)
- *Career Certificate:*
- CNC Production Specialist (J200300)
- Mechatronics Technology (J200200)
- Jewelry Design and Repair 1-2 (J450600/J450700)

# Manufacturing Framework Reviews 2022 for School Year 2023-24

- *Postsecondary:*
- **Computer Engineering Technology – AS (1615120100)**
- **Microcomputer Repairer/Installer – CCC (0647010406)**
- **Engineering Technology AS – (1615000001)**
- **All 11 Specializations and CCC's**

# 3 Year Programs of Work
# All Clusters

http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/ngos/

# Manufacturing: Programs Daggered for Deletion 2021

GET THERE
Florida's Workforce Education Initiative

FLORIDA DEPARTMENT OF EDUCATION
CAREER AND ADULT EDUCATION

# Manufacturing: Programs Daggered for Deletion

- **Gaming Machine Repair Technician <span style="color:red">J550100</span> (<u>no enrollment reported</u> )**

- **Digital Manufacturing Specialist CCC <span style="color:red">0615000009</span> (<u>no enrollment reported</u>)**

# HB 1507

GET THERE
Florida's Workforce Education Initiative

FLORIDA DEPARTMENT OF EDUCATION
CAREER AND ADULT EDUCATION

# Upcoming Changes due to HB 1507:

## Master Credentials List

- Includes registered apprenticeship programs, industry certifications, licenses, advanced technical certificates, college credit certificates, career certificates, applied technology diplomas, associate degrees, baccalaureate degrees and graduate degrees.

- For the 2021-2022 school year, the Master Credentials List shall be comprised of the CAPE Industry Certification Funding List and the CAPE Postsecondary Industry Certification Funding List under ss. 1008.44 and 1011.62(1), Florida Statutes (F.S.), and adopted by the State Board of Education before October 1, 2021.

GET THERE
Florida's Workforce Education Initiative

FLORIDA DEPARTMENT OF
EDUCATION
CAREER AND ADULT EDUCATION

# Upcoming Changes due to HB 1507:

## Credentials Review Committee

Shall establish a process for:

- Quarterly review and approval of credential applications used to develop the Master Credentials List.

- Annual review of the Master Credentials List.

- Phasing out credentials on the Master Credentials List that no longer meet the framework of quality.

- Designating performance funding eligibility under ss. 1011.80 and 1011.81, F.S., based upon the highest available certification for postsecondary students.

- Beginning with the 2022-2023 school year, the CareerSource Florida State Board shall submit the Master Credentials List to the State Board of Education.

Questions?

GetThereFL.com
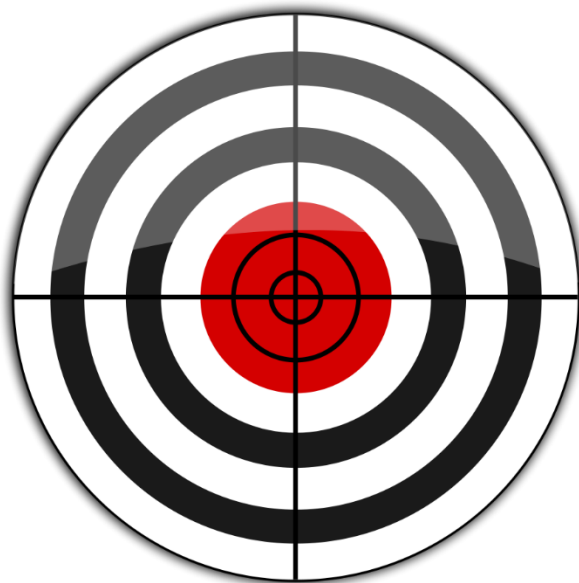
# Vendor Show Case & Break (10:35-10:45)

| | | |
|---|---|---|
| *Adams Corporation* | *Autodesk, Inc* | *Bluegrass Educational Technologies* |
| *D. C. Jaeger Education Corporation* | *TestEquity* | *Technical Training Aids* |
| *Southern Educational Systems* | *SMC Training* | *Learning Labs* |

# ET Forum Committee Reports

**Curriculum** – Ron Eaglin ([ronald.eaglin@daytonastate.edu](mailto:ronald.eaglin@daytonastate.edu)

- Google Drive – Engineering Technology Shared
[https://drive.google.com/drive/folders/18HvNZa2YcKkRSqO6huzaXpBYfi1Y6kNF?usp=sharing](https://drive.google.com/drive/folders/18HvNZa2YcKkRSqO6huzaXpBYfi1Y6kNF?usp=sharing)
- Alignment to Industry Certifications (Outcomes Based; Burden of Proof on Industry; Statewide articulation

**Student Enrollment & Minority Recruitment -** Sam Ajlani ([ajlani@cfl.edu](mailto:ajlani@cfl.edu))

**Vendor** – Brad Jenkins ([jenkinsbm79@gmail.com](mailto:jenkinsbm79@gmail.com))

**Professional Development** – Marilyn Barger ([marilyn.barger@flate.org](mailto:marilyn.barger@flate.org))

**Industry Relations** – Mori Toosi ([mtoosi@polk.edu](mailto:mtoosi@polk.edu))

# Presentations and Professional Development

Marilyn Barger

- ET Forum "Tech Talks"
  - Nov 18, 2021: What's New With Cobots (UF Mechanical Engineering)
  - Jan 21, 2022: Smart Factories (UF Mechanical Engineering)
  - Feb 17, 2022: TBD (UCF Mechanical Engineering)
  - REGISTER HERE: http://fl-ate.org/programs/e-t-forum/

Other needs/ideas/topics for professional development? *Enter topics/ideas in chat OR email Marilyn.Barger@flate.org*

*Florida Advanced Technology Education*
***Forum On***
***Engineering Technology***

***Industry Relations Committee – Industry Panel***

# Employer Expectations of Graduates With 2-Year vs. 4-Year ET Degrees

**Kon Champavannarath**
*Chief Information Officer*
**PalletOne, Inc.**

**Peter Cirak**
*Quality Assurance Director*

**Ron Eaglin**
*Chair, Engineering Technology*
**Daytona State College**

**Mori Toosi**
*Director, Engineering Technology*
**Polk State College**

# Employer Expectations of 2-Year ET Degree Graduates

**Basic work ethics & communication, soft skills/customer service**
- o Show up on time, be engaged, attention to details
- o Excellent verbal and oral communication skills
- o Know when to communicate
- o Willingness to learn

**General programming, network, and cyber security knowledge**

**Not being afraid of failure**
- o Failure in school = bad, failure in R&D = good (you get closer to the answer each time)

**Team player**
- o Pitch in where you can
- o You don't know it all, even if you do, help someone else learn
- o Put the phone down

# Employer Expectations of 4-Year ET Degree Graduates

**Basic understanding of business and how companies leverage them to operate**
- o Marketing and Sales
- o Accounting
- o Human Resources
- o Technology

**Advanced Troubleshooting: People vs Processes vs Culture**
- o Problems are not always technical
- o Know the C-suite Roles: CEO, DFO, DOO, DIO, etc
- o Company culture: not all companies are equal
- o Sometimes ad processes set people up for failure; know the difference

# Employer Expectations of 4-Year ET Degree Graduates (cont'd)

**Safety in the Workplace**
- OSHA, PPE, Lockout Tag Out
- Production floor vs. back office/environmental safety

**Customer Service/Soft (Employability) Skills**
- Know your customers and what they need from you
- Know when to use a phone vs email  (introvert vs extrovert self awareness)
- Sense of urgency
- You are your brand
- Claim ownership; feel being a partner

# Employer Expectations of 2-Year & 4-Year ET Degree Graduates

2-Year Graduate Expectations
**Basic work ethics & communication, soft skills/customer service**
**General programming, network, and cyber security knowledge**
**Not being afraid of failure**
**Team Player**

4-Year Graduate Expectations
**Basic understanding of business and how companies leverage them to operate**
**Advanced Troubleshooting: People vs Processes vs Culture**
**Safety in the Workplace**
**Customer Service/Soft (Employability) Skills**

*Industry Relations Committee*

**Employer Expectations of Graduates With 2-Year vs. 4-Year ET Degrees**

# Thank you!

# Kon, Pete and Ron

Thank you
for your participation and support!!

| Adams Corporation | Autodesk, Inc | Bluegrass Educational Technologies |
|---|---|---|
| D. C. Jaeger Education Corporation | Test Equity | Technical Training Aids |
| Southern Educational Systems | SMC Training | Learning Labs |

# Announcements & Reminders



**FLORIDA MFG MONTH 2021**
Resources

Engineering Technology Shared Folder

**HIRE A GRADUATE!**
A.S. Engineering Technology Pathways
Interest survey link
https://forms.gle/5zoUHdiF5u9PuQ266

**FCPN**
Symposium
1/13-15 @ Hutchinson Shore Resort

**TECH TALKS**
11/18; 01/21; 02/17
Register!

**ASEE**
Workforce Summit
11/12/21 & 4/25-26/22

2022 ET Framework Reviews-
Florida Department of Education fldoe.org
Coming soon!

**FORUM on Engineering Technology**
Mar 31-Apr 1 2022 @ SJRSC (?)

**FORUM on Engineering Technology**

Florida Department of Education fldoe.org

www. Made in FLORIDA .org

FLATE ADVANCED TECHNOLOGICAL EDUCATION CENTER

part of the FloridaMakes network

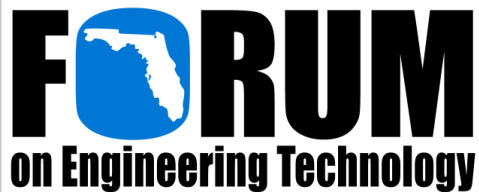- Please complete the online ET Forum Evaluation Survey: SURVEY LINK

- Presentations, Recording & Handouts available at Google Drive
  Folder-Engineering Technology Shared Folder

- **SPRING '22 ET FORUM**: Mar 31-Apr 1 @ St. John's River State College

# Thank you & have a great week!

# Thank you for attending the Fall 2021 ET Forum!

Please complete the online ET Forum Evaluation Survey



https://www.surveymonkey.com/r/ETFORUMEVALUATION