



Transforming
Resources for
Accelerated
Degrees and
Employment

Introductions

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Department of Labor TAACCCT Grant

Develop and deliver technical training programs

Purpose is to:

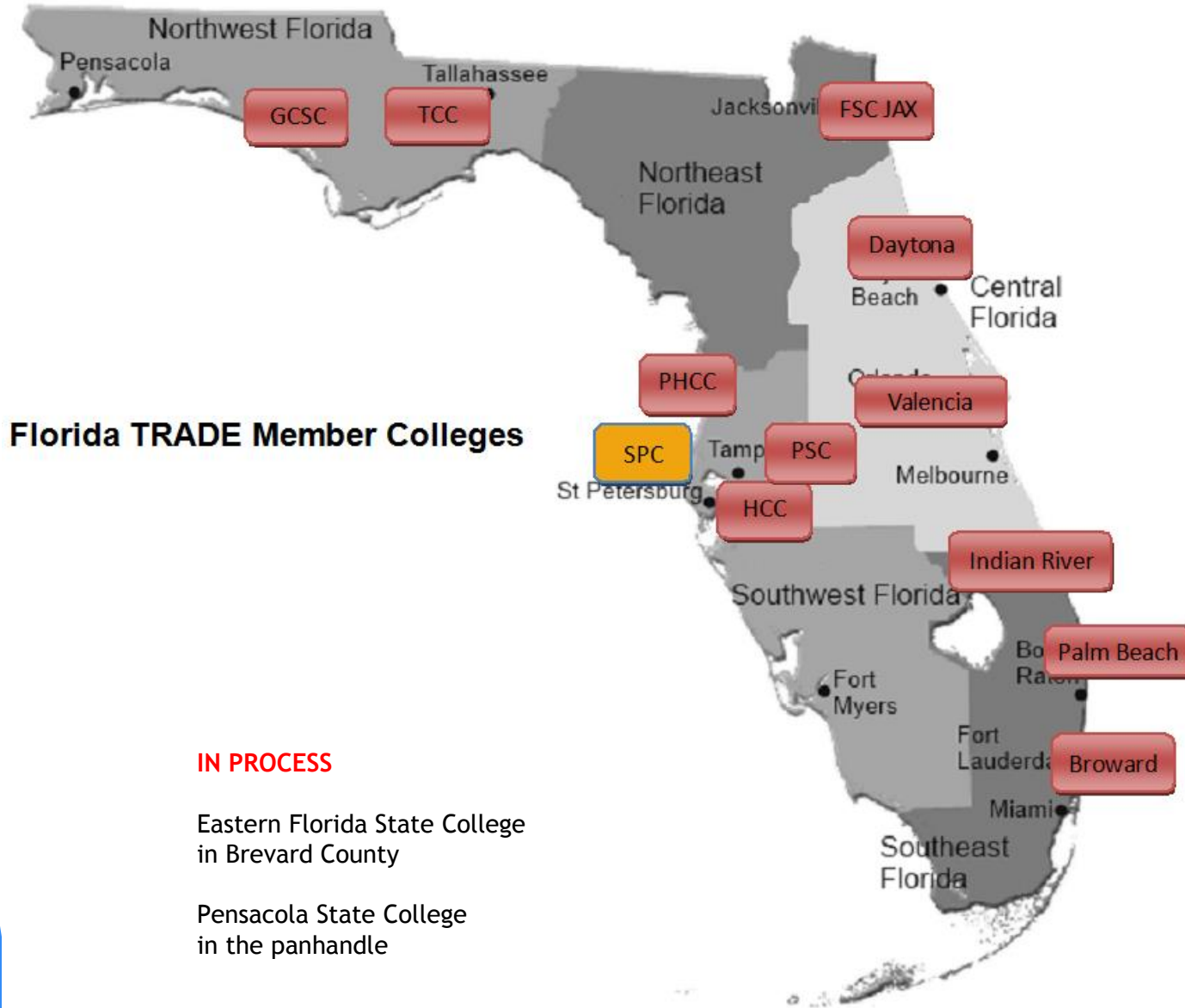
1. Upgrade current skills and knowledge
2. Learn new skills
3. Gain industry-recognized technical certifications
4. Earn academic credits toward college degrees
5. Procure employment

Provide services to:

- ▶ Florida workers who have lost their job as a result of foreign trade
- ▶ Veterans
- ▶ Dislocated Workers
- ▶ Incumbent Workers
- ▶ Students



- ▶ A consortium consisting of
 - ▶ 12 State and Community Colleges
 - ▶ Local Workforce Boards
 - ▶ Business and Manufacturing Associations
 - ▶ Economic Development Organizations
 - ▶ K-12 School Districts and Technical Schools
 - ▶ Non-Profits and Other Community Partners



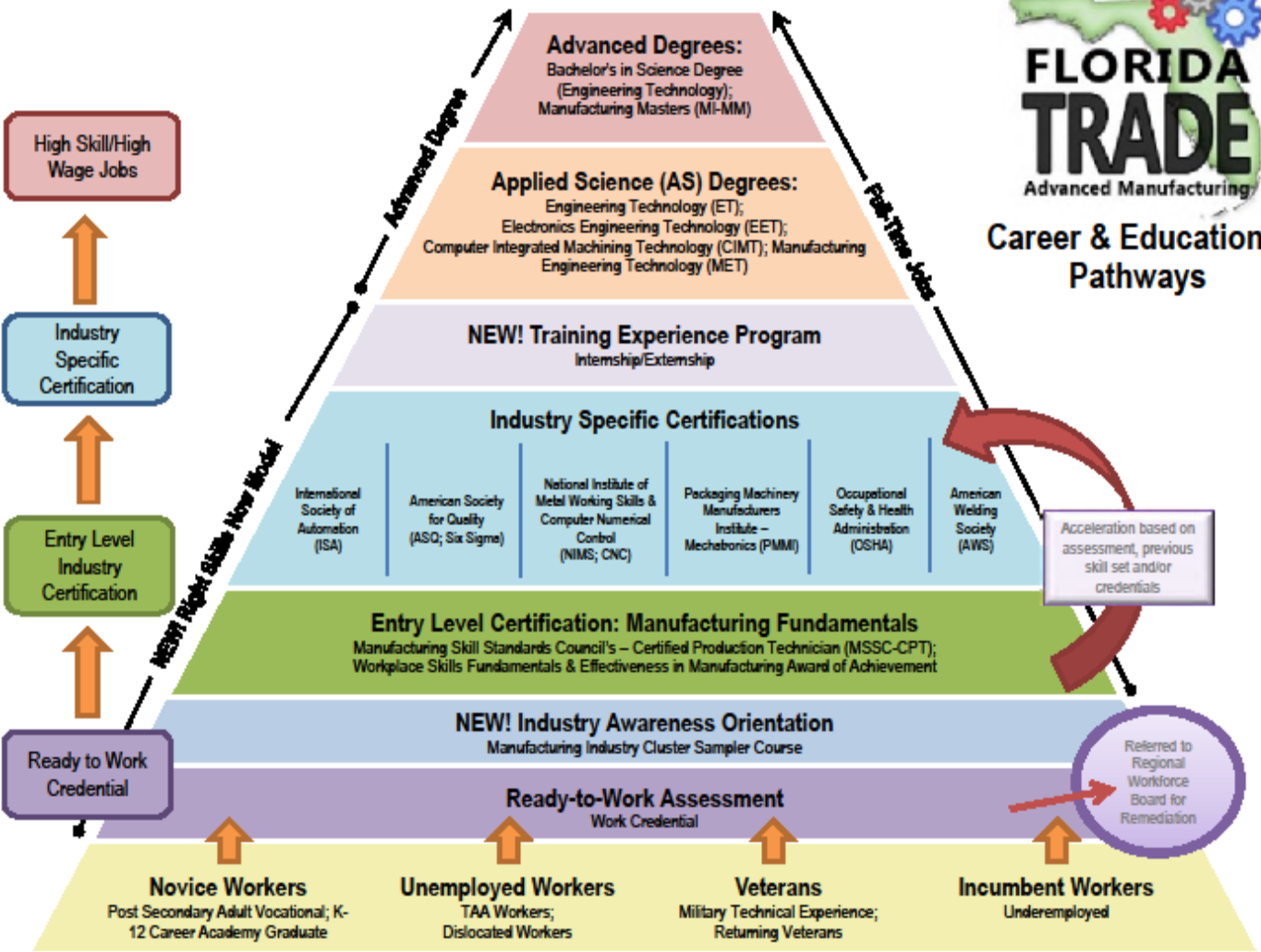
Manufacturer's Association of Florida (MAF)

February 2012 - Identified 5 targeted advanced manufacturing occupations facing critical shortages in the state

- ▶ CNC Machinists
- ▶ Engineers
- ▶ Master mechanics
- ▶ Welders
- ▶ Quality/Inspection officers



Career & Educational Pathways



What is the training like?

- ▶ 4 hours a day
- ▶ 5 days a week
 - ▶ + work in labs and online at home
- ▶ 16 weeks +
- ▶ 4 to 6 week paid internship

MSSC-CPT

Manufacturing Skill Standards Council Certified Production Technician

- ▶ 6-week class to prepare graduates for certification as a production technician, paid internship, and employment
- ▶ the certification examination is provided in parts at the end of each learning unit
- ▶ a maximum of 12 students in each class
- ▶ Course objectives include employability skills, safety awareness, production and processes, maintenance awareness, and quality management

Engineering Technology AS degree at SPC

TECHNOLOGY CORE COURSES (18 credits)

INTRODUCTION TO ELECTRONICS	3
INTRODUCTION TO CAD	3
INTRODUCTION TO QUALITY ASSURANCE	3
MANUFACTURING PROCESSES AND MATERIALS I	3
INDUSTRIAL SAFETY	3
MECHANICAL MEASUREMENT AND INSTRUMENTATION	3

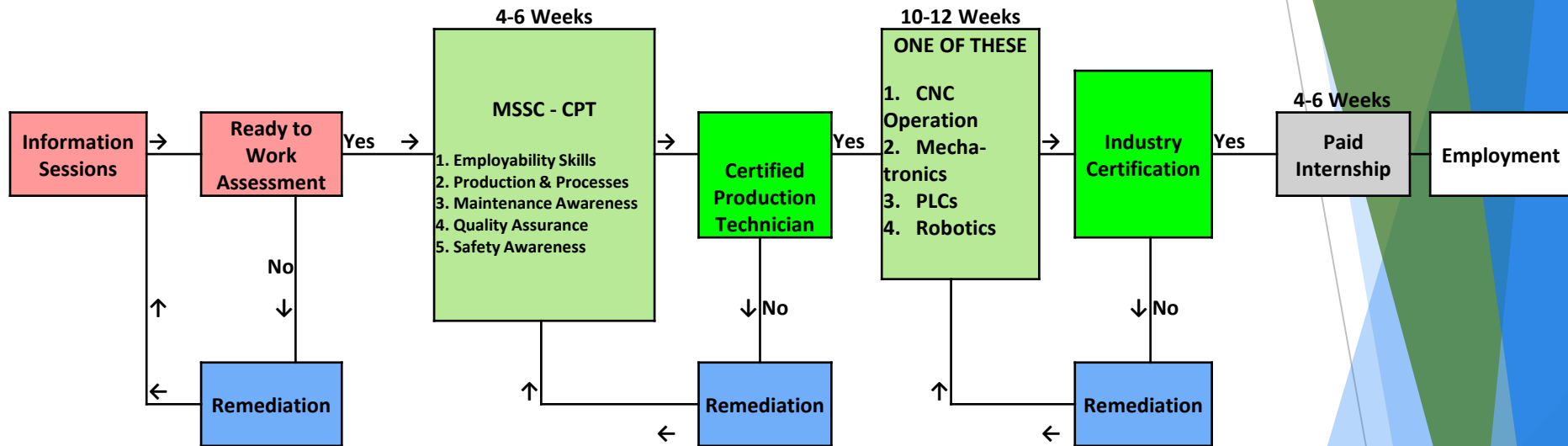
Subplan A: Electronics

Subplan B: Quality

Subplan C: Digital Design and Modeling

Subplan D: Biomedical Systems

How Does the Program Work?



Industry Recognized Certifications





Bottom Line

- ▶ If you successfully complete the program, you will have the skills, and knowledge to obtain a job in manufacturing.
- ▶ We will work to locate a paid internship and a job with one of our manufacturing partners.
- ▶ And, certificates can transfer to college credit an AS degree in engineering technology.

CERTIFICATE
(CT)

ASSOCIATE
DEGREE
(AS+AA)

BACHELOR'S
DEGREE
(BAS)

Each school is developing programs in line with local labor needs

- ▶ Short term training
- ▶ National certification
- ▶ Stackable credentials
- ▶ Ability to articulate with AS degree programs
 - ▶ Some AS certificates like Lean Six Sigma and Solid Works
- ▶ Paid internships
- ▶ Employment vs. degree
- ▶ Ability to train/ prepare employees already working in the manufacturing field to obtain certifications
- ▶ Working toward on-line training

