

Florida Advanced Technological Education Center of Excellence

FLATE

www.fl-ate.org www.madeinflorida.org



Our VISION



FLATE will be Florida's leading resource for education and training expertise, leadership, projects, and services to promote and support the workforce in the high performance production and manufacturing community.

IMPACT LOCALLY, LEAD NATIONALLY



NSF Advanced Technological Education

ATESENTERS



Partners with Industry for a New American Workforce

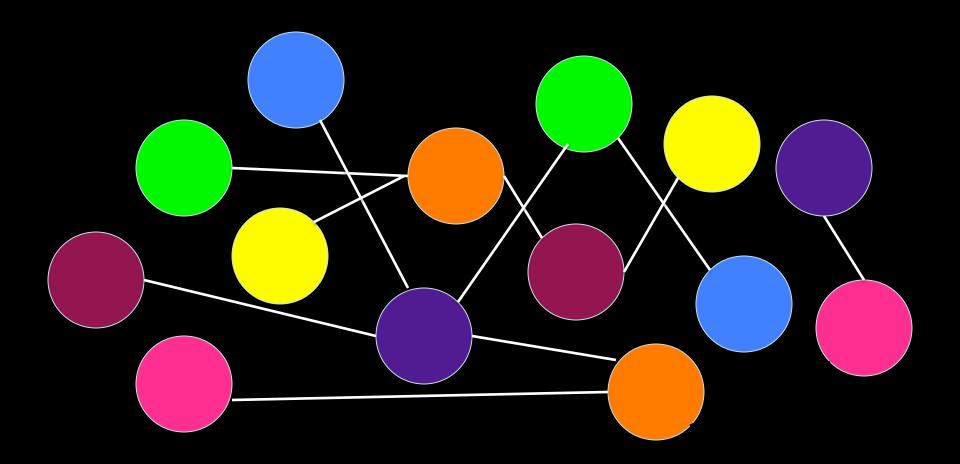








connectors





















why?

The US faces a chronic shortage in STEM competencies as the demand for STEM talents grows.

Answering workforce needs
expressed by Florida's advanced
manufacturing industries is a relevant
topic reaching from the White House to
state and community colleges and to students.





why?

People with lower levels of education in STEM make more than people with higher levels of education in non-STEM.

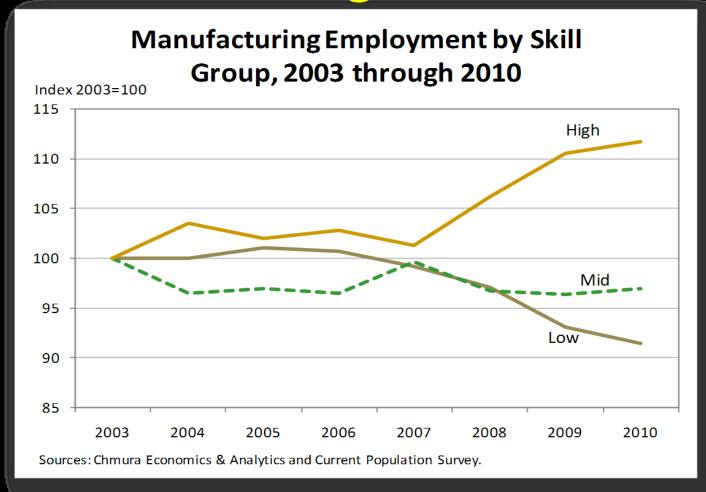
63% of Associate's degrees in STEM earn more than Bachelor's degrees in many non-STEM occupations.







Why manufacturing?



manufacturing jobs require higher skills





HOW do we connect the dots between industry needs, the future workforce (students) and the education needed to obtain and be successful in these advanced manufacturing & STEM careers?







outreach & recruitment



FLATE's Made in Florida program provides Florida with a one-stop-shop for manufacturing outreach









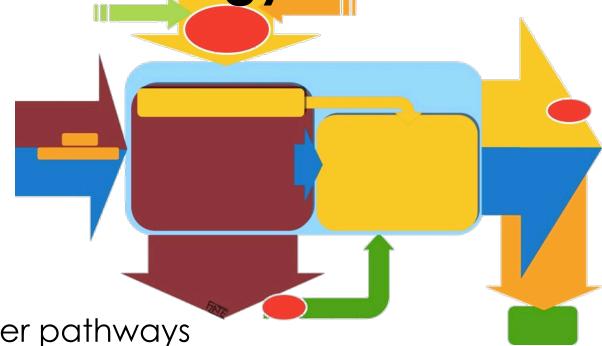








Engineering Technology education



- Statewide K-20 career pathways
- 2 year degrees & college certificates
- Statewide articulation agreements
- Online resources & courses
- Aligned to MSSC CPT & NAM Stackable Credentials



Curriculum









what is manufacturing?

how "things" are made

What is manufacturing?

unfilled high-skill high-wage

manufacturing

Marketing **B**Packaging Lega ronmentalHealth HumanResources

cool...creative...clean...fun!

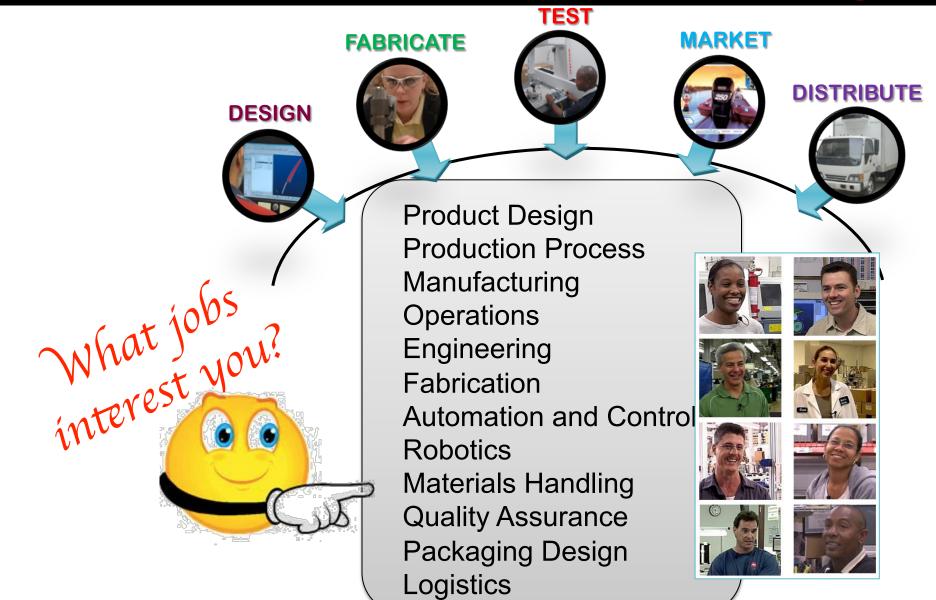
Manufacturing is a process that takes raw materials and turns them into (useful) products. It implies mass production, as in making products by hand or with the help of machinery.

ADVANCED manufacturing is doing the same smarter faster leaner cleaner greener safer

ADVANCED manufacturing today uses artificial intelligence additive technologies high precision

highly integrated systems customized

What is manufacturing?



Do what you

in a manufacturing career

Aviation & Aerospace



Packaging, Beverage Food & Pharmaceutic



Medical Devices & Equipment



Machining & Product Fabrication



Transportation & Logistics



Leisure & Entertainment



Electronics, Compute & Electrical



Product Design & System Integration



















































Austin, Texas July 21-24, 2013 Austin Renaissance



Educating America's Technical Workforce



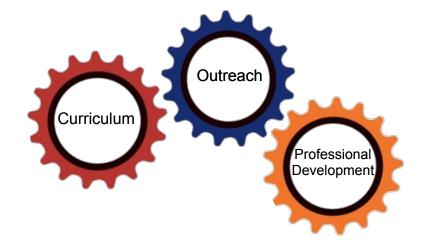


HI-TEC is produced by a consortium of NSF ATE centers and projects. This national conference allows us the opportunity to present community college educators and stakeholders with professional development, educational materials, collaborative ventures, and insights into emerging market trends essential to developing and advancing the technical workforce of the 21st century.

- Call for workshop presentations opens January 14
- Call for session presentations opens February 1
- Call for poster sessions opens February 1

www.highimpact-tec.org





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Thank you!

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