04 FLATE

FLORIDA ADVANCED TECHNOLOGICAL EDUCATION CENTER

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

HILLSBOROUGH
COMMUNITY COLLEGE
TAMPA, FL

FLATE
FLORIDA ADVANCED TECHNOLOGICAL EDUCATION CENTER

A STUDENTS USES AN INDUSTRIAL MICROSCOPE

CARLOS SOTO - PRESIDENT
HILLSBOROUGH COMMUNITY COLLEGE, BRANDON CAMPUS

FLATE educates and influences the high-tech workforce with its

- Made in Florida campaign, which reaches more than 52,000 Florida students and educators.
- Engineering Technology (ET) degree, which articulates statewide with stackable, industry-aligned credentials.
- Partnerships, which build effective, outcome-based relationships with industry, education, and government organizations.
- Baldrige Evaluation Model, which is an industry-recognized business evaluation system structured on organizational performance excellence.
- Education expertise, which influences the technical, skill-based content of curricula throughout Florida.

FLATE Builds Interest in Manufacturing

FLATE's efforts to nurture teens' interest in manufacturing careers are evident as 17,651 students have expressed interest in high-technology education and careers in response to an advertorial in Florida Trend's *NEXT*, an annual teen-focused careers publication. More than 5,000 college students are currently enrolled in engineering technology and related degree programs in Florida. Responding to a need expressed by the National Association of Manufacturers (NAM) and Florida industries, FLATE's Made in Florida campaign provides innovative marketing materials to middle and high school students statewide to generate interest in and to project a positive image of manufacturing education and careers in Florida.

> FLATE's role in redefining engineering technology education in Florida puts a whole new face to what's happening in manufacturing.

ET Degree Program Meets Expressed Workforce Needs

The Engineering Technology (ET) degree program conceived, engineered, and coordinated by FLATE is the first of its kind to offer a cohesive, comprehensive, and completely articulated inter-institutional program. The ET degree program's core courses align with Manufacturing Skills Standard Council (MSSC) certification, which is part of the NAM-endorsed certificate system. This gives students the option to join the workforce quickly through an ET certificate program or to apply their certificate toward an associate in science or associate in applied science degree.

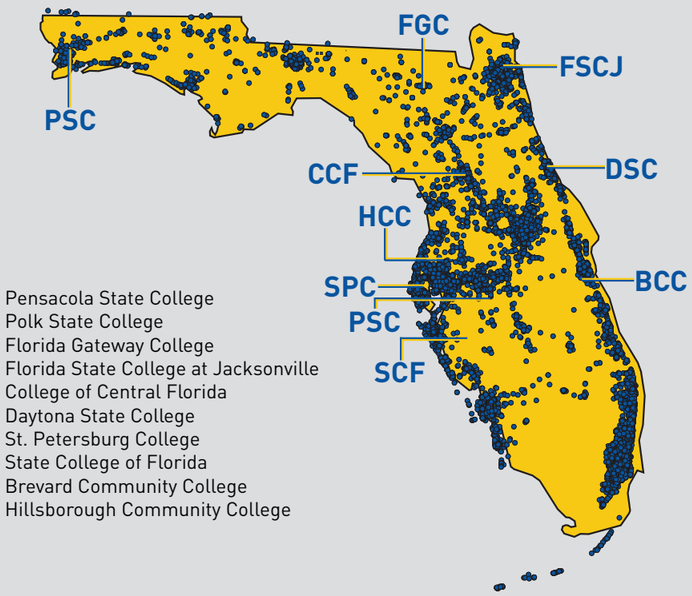
FLATE's ET degree program focuses on core courses covering introductory computer-aided drafting, electronics, instrumentation and testing, processes and materials, and quality and safety. By working closely with its Industry Advisory Council, FLATE has expanded degree specializations to include alternative energy, digital design and modeling, and biomedical systems. Ten colleges across Florida currently offer 8 degree specializations and 15 certificates that are preparing students and workers from both rural and metropolitan areas for careers in advanced manufacturing and high-technology industries.

FLATE facilitates preparation for entry-level technical workers, too. Thanks to FLATE's work with high school frameworks at the state level, high school students can choose career education with an industry certification and be workforce-ready upon graduation. In 2009-2010, 14,592 Florida high school students enrolled in engineering technology and related programs.

ADVANCED
MANUFACTURING TECHNOLOGIES

A TECHNICIAN ENTERS DATA INTO A COMPUTER NUMERICAL CONTROLLED MILLING MACHINE PROGRAM MODULE.

FLATE Partner Colleges Serve Florida's High-Tech Industries



PSC: Pensacola State College
PSC: Polk State College
FGC: Florida Gateway College
FSCJ: Florida State College at Jacksonville
CCF: College of Central Florida
DSC: Daytona State College
SPC: St. Petersburg College
SCF: State College of Florida
BCC: Brevard Community College
HCC: Hillsborough Community College

FLATE PARTNER COLLEGES WORK THROUGHOUT FLORIDA WITH THE MANUFACTURING COMPANIES REPRESENTED BY DOTS ON THE MAP.