



FLATE

Florida Advanced Technological Education Center of Excellence

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The National Science Foundation Advanced Technological Education (NSF-ATE) program supports the Florida Advanced Technological Education Center of Excellence. FLATE began as a Center for Manufacturing Education from ideas that grew from collaborations with industry and college partners over ten years ago. Today, the Center has intensified its focus on all of the technologies that support manufacturing in Florida and in the process altered our acronym from FL-ATE to FLATE. This table indicates the Center’s significant milestones.

2016	
January	FLATE signs MOU with FloridaMakes for outreach and college connections.
January	FL Career Pathways Network Best Practice Award for promoting women in manufacturing.
February	FLATE award supplemental funding to start work with ManufacturingUSA Institutes
March	FLATE publishes Florida alignment standards to NIMS and AWS credentials.
April	FLATE wins supplemental funding for special projects with MSSC & FloridaMakes.
July	FLATE/FACTE partnership to re-establish technical industrial for educators, FAITE.
July	Terry Iverson, FLATE’s NVC Chairperson, awarded HITEC Industry Partner Award
July	Dr. Gilbert receives Outstanding Achievement in Bioelectric International Award
September	Dr. Barger National Academy’s Engineering Professional Societies Workgroup.
October	FLATE receives Small Caps award for Excellence in Adv. Technology Education.
November	FLATE releases Women in Manufacturing DVD and curriculum package
2015	
January	FLATE releases a new version of the “Made in Florida” video and Teacher Guide
January	FLATE develops Comprehension Instructional Sequence (CIS) curriculum with the School District of Hillsborough County
May	FLATE receives over \$2,500 earmarked for girls robotics camp scholarships for the 2 nd year in a row
June	FLATE invited to present at the National Academy of Science’s Pathways for Middle Skills Jobs Symposium
June	18 th Florida College adopts the A.S.ET Degree
June	FLATE receives \$25,000 for work in outreach & alignments from Hillsborough County Mfg. Academy
July	4 th year in a row an international Hispanic student mentors FLATE robotics camp
October	FLATE recognized by Rep. Jolly on social media for leadership of MFG DAY tours
October	FLATE recognized as High School/High Tech Partner of the Year by Able Trust
October	Dr. Marilyn Barger receives Kuder Career Pathways Partnership Excellence Award
October	FLATE named Education Agency of the Year by Upper Tampa Bay Mfg. Association
November	Dr. Barger invited to the White House as part of Tampa Bay STEM Ecosystem Kickoff
December	FLATE receives a 2 nd yr. grant award of \$1,500 from Nuts, Bolts, and Thingamajigs
2014	
January	15 th Florida College adopts the A.S.ET Degree
January	FLATE publishes an “ET View Book” highlighting Engineering Technology Degrees available at Florida colleges
February	FLATE FOCUS newsletter recognized 2 nd year in a row for Publication Excellence
March	Florida Career Pathways Spotlight features FLATE on the Florida National Career Pathways Network (NCPN) homepage
May	FLATE signs MOU with Basque government to provide FL internships for students
June	FLATE invited to participate in the Academy of Science Gulf Research workshops



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June	FLATE invited to ASME's initial meeting for 2-year manufacturing programs
June	Dr. Marilyn Barger receives SME's 2014 Education Award
June	FLATE partners with FACTE for sustainable professional development awards
August	FLATE and 4 ATE Centers awarded \$900,000 to provide technical assistance to TAACCCT grantees
August	FLATE awarded \$88,000 from Florida Department of Energy and the Florida Energy Systems Consortium (FESC) for continued workforce education in energy
October	NCPN recognizes FLATE with Promising Practice Award: <i>Using Robotics to Engage Students in Technical Curriculum and Emerging Technologies</i>
October	FLATE recognized for leading largest statewide effort for National MFG DAY
November	Engineering Technology Degree Program exceeds 1,500 in enrollment
December	FLATE receives \$2,500 grant from Nuts, Bolts, and Thingamajigs for a manufacturing and entrepreneurship camp program for youth
2013	
February	NSF releases a new <i>Science Nation</i> video spotlighting FLATE and the ET program
March	FLATE hosts its first open house for National Robotics Week
May	FLATE awarded \$460,000 for ATE dissemination and outreach activities
June	Dr. Marilyn Barger reappointed to MSSC National Panel of Experts and Certification Scheme Committee
June	The League for Innovation in the Community College presents FLATE with an <i>Innovation of the Year Award for Teaching and Learning</i> (for the ET Degree)
June	Florida ET Colleges are named as charter members by the National Association of Manufacturers "M-List"
June	Mike Ennis (FLATE NVC member) awarded HI-TEC Industry Recognition Award
August	Best Practice Award to FLATE <i>FOCUS</i> Newsletter for ePublishing
September	Business/Education Partnership Award from the School District of Manatee County
October	FLATE coordinates statewide MFG DAY tours for over 2,300 students
October	Gov. Rick Scott recognizes FLATE's leadership in MFG DAY proclamation
October	FL Career Pathways Network recognizes FLATE with a Best Practice Award for leadership in professional development
October	Gulf Coast State College opens Advanced Technology Center with new ET labs
November	Statewide ET Degree student enrollment exceeds 1,000
2012	
February	FLATE receives Communicator Award for "Made in Florida" video
March	Dr. Barger inducted into Epsilon Pi Tau for excellence in technological education
April	SCF opens its new engineering technology labs in Venice Florida
May	IHMC partners with FLATE to offer summer robotics camps in Ocala
May	8 ET students from 4 different colleges complete 3 week accelerated alternative energy course in FLATE's Iberian Partnership for Technician Excellence in Spain.
July	Brad Jenkins, Co-PI FLATE recognized as HiTEC Educator of the Year
July	FLATE completes \$240,000 equipment upgrades to A.S.E.T college laboratories
August	NSF funds 2 Florida-ATE projects (\$1.1M) to expand ET degree efforts
August	SPC opens its \$1.1M Collaborative Center for Emerging Technologies
September	BCC expands ET degree to a second campus in Cocoa, FL
September	FLATE recognized for workforce curriculum in HCC's AACC/Green Genome Award
September	NSF-ATE awards HCC unprecedented 3 rd round of full center funding for FLATE
September	U.S Secretary of Labor Hilda Solis recognizes FLATE's foundational role in the \$15M Florida TRADE Manufacturing grant



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November	FL Career Pathways Network honors FLATE with 2 Leadership Best Practices
December	14 th Florida College adopts the A.S.ET Degree
2011	
June	STEMFlorida awards FLATE a Best Practice in Educational Outreach
June	FLATE hosts its first alternative energy summer camp for students
June	FLATE is recognized for proactively meeting a US Department of Labor call to action for granting college credit for short-term workforce training
July	FLATE is a Teacher Quest Tampa Bay Business Partner for the 2nd year in a row
September	National Association of Manufacturers invites Dr. Barger as an expert in peer-to-peer leadership model for integrating MSSC standards to academic programs
October	FLATE selected as a finalist for the 8 th Annual Industry Achievement Awards
October	FLATE awarded 2 Florida Career Pathways Network (NCPN) Best Practices for the Toothpick Factory and STEM Puzzles
October	NSF-ATE awards USF \$1.5M to study career pathways for engineering tech
2010	
January	FLATE publishes Release 2 of "Made in Florida" video
February	FLATE invited to testify with FESC to the Private College and Public University Policy Committee of the Florida House of Representatives
May	Tenth Florida college adopts A.S. Engineering Technology Degree program
July	FLATE's summer robotics camp program adds 2 all girl and 3 remote site sessions
July	FLATE and its leadership team receives the HiTEC "Innovative Program" Award
July	FLATE is recognized as a Teacher Quest Tampa Bay (TBT) Business Partner
August	NSF awards an additional \$176,000 for joint ATE Centers dissemination activities
August	NSF awards FLATE \$99,000 for pilot project with Tknika, a technical training institute for faculty in San Sebastian, Spain
November	FL Association of Community Colleges honors FLATE with an Exemplary Practice Award for "Unified Statewide Approach to Meet the Needs of FL Hi-Tech Industry"
November	SPC awarded the FLDOE Chancellor's Best Practice Award for its implementation of the FLATE Engineering Technology degree
December	FLATE launches new "Made in Florida" website (www.madeinflorida.org)
2009	
July	FLATE (Dr. Barger, PI & Executive Director) invited to be a member of the National Association of Manufacturers Education Council
2008	
June	NSF awards additional \$2,700,000 for FLATE to continue and expand its projects
June	Florida Legislature mandates funding for FLATE as Florida Energy System Consortium (FSEC) State College System workforce development partner
July	FLATE develops and offers its first independent student summer robotics camp
August	FLATE awarded supplemental funding of \$118,000 from NSF to coordinate joint ATE Centers dissemination activities
2007	
January	FL-ATE receives \$500,000 workforce partnership award from USF's Florida Center of Excellence, Bimolecular Identification for Targeted Therapeutics (BITT)
March	Florida Department of Education approves FLATE designed A.S. Engineering Technology Degree Frameworks with its MSSC Certificate for college credit
August	3 State Colleges implement A.S. Engineering Technology Degree programs
December	FLDOE approves MSSC Industry Certification as the first Statewide Articulation Agreement for College credit using Industry Certification



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2006	
June	Workforce Florida Inc. awards Banner Center for Manufacturing to FL-ATE
August	FL-ATE Curriculum Frameworks developed for A.S. Engineering Technology Degree with MSSC Certification pathway with FLDOE leadership
2005	
June	FL-ATE submits proposal to Workforce Florida for creation of the Banner Center for Manufacturing at HCC Brandon Campus
December	FL-ATE debuts "Made in Florida" video at Mfg. Assoc. of Florida Annual Summit
2004	
July	NSF awards HCC \$2,700,000 for a statewide center for Manufacturing Education
August	FLATE's, Principal Investigator and Executive Director, Dr. Marilyn Barger, named Motorola Educator of the Year
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2003	
February	FL-ATE website (www.fl-ate.org) launched
October	SPC hosts FL-ATE reception to introduce FLATE to Tampa Bay Manufacturers
2002	
April	NSF-ATE awards HCC \$70,000 to develop a Center for Manufacturing Education
October	NSF-ATE awards HCC and USF Engineering College \$500,000 project; "High School Technology Initiative"
November	The FL High Tech Council awards HCC \$100,000 automated equipment grant
2001	
December	FL-ATE leadership meet with FLDOE Vice Chancellor, Nancy Cordill, to explore ways to develop alignment Career and Tech A.S. programs with industry needs
1999	
June	NSF awards Tech-4 Consortium, with HCC and USF as co-Principal Investigators, \$1,000,000 project: "Tech-4 Electronic Workforce Development System"
1997	
June	Lucent, FL High Tech Council and USF develop Tech 4 Education Consortium
1995	
January	USF Engineering College trained Lucent Technologies' technician workforce