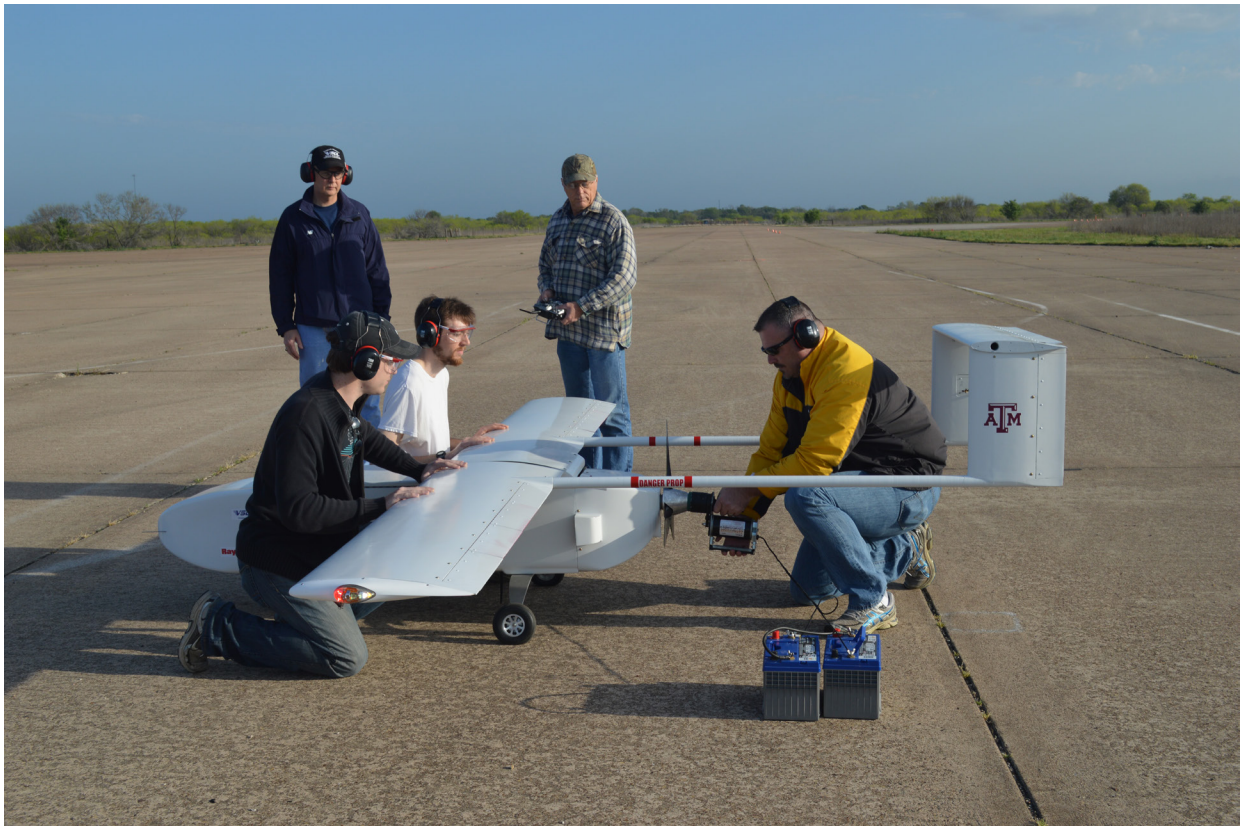
AEROSPACE ENGINEERING
TEXAS A&M UNIVERSITY

Aerospace Engineering

Dashboard

Impact Story



Texas has been named a test site for unmanned aircraft systems (UAS) by the Federal Aviation Administration (FAA), based on a statewide proposal led by Texas A&M University-Corpus Christi. The university partnered with the Texas A&M Engineering Experiment Station (TEES) and is one of six entities throughout the nation that were selected as test sites. Aerospace, electrical and mechanical engineers and computer scientists at TEES will be designing reconfigurable antennas and security systems for the drones. Additionally, a new facility is planned at the Riverside Campus in Bryan that will specialize in the development and testing of unmanned vehicles, including the aerial drones.

http://tees.tamu.edu/news/2014/01/10/texas-named-test-site-for-uas,-tees-included-in-partnership/

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Impact

- 3 National Academy of Engineering members
- 2 International academy members
- Technology commercialization (Since FY94)
  1 License agreement
- 10 National and international level awards
- 19 Fellow grades in professional societies
- 5 Authored adopted textbooks
- 78% of December 2013 BS aerospace graduates had job offers or plans to pursue graduate school
  (data voluntarily reported by students to the Texas A&M University Career Center; actual number may be higher)
- 45 PhDs in academia (61% in US Institutions)

STUDENT ENROLLMENT *(Dept. of Aerospace Engineering)*			
	Undergrad	Grad	Total
FY13	709	111	820
FY12	654	129	783
FY11	683	135	818
FY10	676	143	818

STUDENT CREDIT HOURS (SCH) and WEIGHTED STUDENT CREDIT HOURS (WSCH)		
	SCH	WSCH
FY13	5,417	28,251
FY12	5,044	26,584
FY11	5,312	27,035
FY10	5,454	27,629

Productivity

- Rankings
  Graduate – 6th
  Undergraduate – 7th
  (Source: U.S. News & World Report, public institutions)
- 99 Refereed journal papers *(2012)*
- 131 Selective conference papers *(2012)*
- 19 US and international patents *(since FY 94)*
- $15 million in research expenditures *(FY11)*
  > 66% Federal
  (TEES Centers funding not included)
- 4 Young Investigator awards *(since 2003)*
  (NSF CAREER, Air Force, Navy, DARPA, and PECASE)
- Number of graduates *(2012-2013)*
  BS – 78
  MS – 25
  PhD – 21
- Semesters to graduation *(FY06-FY10 average)*
  BS – 10 semesters
  MS – 6 semesters
  PhD – 11 semesters
- Students with international experiences through study abroad program participation
  FY11 – 8
  FY12 – 7
  FY13 – 24
- 28 Scholarships awarded *(2013)*
- Occupied Endowed Positions
  Chairs – 4
  Professorships – 5
  Career Development Professorships – 2
  Faculty Fellows – 13

Service

- 26 Editorships and editorial board memberships
- 35 Memberships in professional society committees
- 12 Short courses taught and workshops offered
- 9 Symposia and conferences organized with estimated 1,695 participants
- 5 Days external consulting *(FY11)*

Diversity

- Faculty (Fall 2013)
  Male – 94%
  Female – 6%
  Hispanic – 8%
  African-American – 3%
  White – 69%
  Asian – 19%
  Native American – 0%
- Staff
  Male – 33%
  Female – 67%
  Hispanic – 4%
  African-American – 10%
  White – 86%
  Asian – 0%
  Other – 0%
- Departmental External Advisory Committees
  Male – 91%
  Female – 9%
  Hispanic – 4%
  African-American – 0%
  White – 91%
  Other – 4%

STUDENT DIVERSITY *(College of Engineering)*			
	BS	Master's	PhD
Female	20%	24%	19%
Hispanic	18%	6%	4%
African-American	2%	2%	1%
Asian	7%	5%	4%
International	3%	58%	70%