Freshman students 3-D print and assemble hands for disabled children

Three-dimensional printing continues to grow in popularity and have varying applications across many industries; prosthetics for children is one of them. Twenty children will be receiving new, 3-D printed prosthetic hands thanks to a course in the Dwight Look College of Engineering at Texas A&M University.

This semester, freshman students in Engineering Projects in Community Service (EPICS) had the opportunity to partner with e-NABLE, a global volunteer network focused on creating and delivering 3-D printed prosthetic hands for those in need.

Read the story at tx.ag/tPTJrS2

engineering.tamu.edu/dashboard
Impact

• 14 National Academy of Engineering members and 1 National Academy of Science member (FY16)
• 8 International academy members (FY16)
• Technology commercialization (Since FY94)
• 202 License agreements
• 27 Start-up companies
• Highly cited researchers (by Thomas Reuters)
  2001 – 2
  2014 – 3
• 158 Fellow grades in professional societies
• 63 Authored textbooks and book chapters
• 85% of May 2014 BS engineering 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)
• 610 PhDs in academia (54% in US Institutions since 1987)

| STUDENT CREDIT HOURS (SCH) and WEIGHTED STUDENT CREDIT HOURS (WSCH) |
|----------------|----------------|
| SCH | WSCH |
| FY14 | 192,400 | 1,051,525 |
| FY13 | 181,680 | 996,068 |
| FY12 | 175,985 | 921,080 |
| FY11 | 170,709 | 900,081 |
| FY10 | 166,660 | 877,849 |

Productivity

• Rankings
  Graduate – 7th
  Undergraduate – 8th
  (Source: U.S. News & World Report, public institutions)
• 1,370 Refereed journal papers (2014)
• 1,261 Selective conference papers (2014)
• 244 US and international patents (since FY94)
• $72.2 million in research expenditures (FY14)
  ~54% Federal
  (TEES Centers funding not included)
• 84 Young Investigator awards (NSF CAREER, Air Force, Navy, DARPA, and PECASE, since 2003)
• Number of graduates (COE for FY13)
  BS – 1,790
  MS – 588
  PhD – 235
• Average years to degree (FY09-FY13 average)
  BS – 4.65 years
  MS – 2.31 years
  PhD – 5.58 years
• Students with international experiences, through study abroad program participation
  FY15 – 715
  FY14 – 601
  FY13 – 594
  FY12 – 490
  FY11 – 434
  FY10 – 372
• Distance education (TEES & COE, AY15)
  Number of courses – 83
  Number of students – 1,221
• 12,750 Scholarships and fellowships awarded (FY15)
• More than $30.6 million in scholarships and fellowships awarded (2012)
• Occupied Endowed Positions Chairs – 37
  Professors – 55
  Career Development Professors – 13
  Faculty Fellows – 16

Service

• 506 Editorships and editorial board memberships
• 350 Memberships in professional society committees
• Continuing education (TEES & COE, FY14)
  Number of courses – 155
  Number of students – 12,827
• One faculty on interpersonal agency appointment
• 462 Days external consulting (AY14)

Diversity

• Faculty (Fall 2014)
  Male – 85.1%
  Female – 14.9%
  Hispanic – 7.8%
  African-American – 1.4%
  White – 62.5%
  Asian – 27.5%
  Native American – 0.8%
• Staff
  Male – 37.6%
  Female – 62.4%
  Hispanic – 10.6%
  African-American – 3.1%
  White – 77.9%
  Asian – 6.6%
  Two or more – 0.4%
  Other – 1.33%
• External Advisory Committees
  Male – 90%
  Female – 10%
  African American – 2%
  Hispanic – 5%
  White – 92%
  Asian – 1%

| STUDENT DIVERSITY (College of Engineering - Fall 2014) |
|----------------|----------------|----------------|----------------|
| Official 12th day not certified by DARS Enrollment Report |
| Female | Hispanic | African-American | Asian | International |
| BS | 20.7% | 19.7% | 2.3% | 7.7% | 3.2% |
| Master’s | 22.7% | 6% | 2.4% | 3.8% | 59.8% |
| PhD | 20.1% | 3.9% | 1.6% | 3.1% | 70.6% |