



COLLEGE OF APPLIED
SCIENCE AND TECHNOLOGY
Illinois State University

FY17 ANNUAL REPORT AND FY18 PLANNING REPORT

STATE

YOUR FUTURE.

WHO WE ARE

- Eight Academic Units
 - Agriculture
 - Criminal Justice Sciences
 - Family and Consumer Sciences
 - Health Sciences
 - Information Technology
 - Kinesiology and Recreation
 - Military Science
 - Technology
- Five Affiliate Units
 - Gamma Phi Circus
 - University Farm at Lexington
 - Horticulture Center
 - Child Care Center
 - Sports Medicine and Rehabilitation Therapy Clinic

COLLEGE TEAM

Todd McLoda – Dean

Kevin Laudner – Associate Dean

Kara Snyder – Assistant Dean

Lori Fox – Administrative Aide

Cindy Greskiwcz – Chief Clerk

Kate Jacobs – Director of Development

Marcus Alouan – Director of Gamma Phi Circus

Deb Wylie – Administrative Aide to Gamma Phi Circus

Kate Plantholt, Chris Andre, & Jim Hearn – IT support services

COLLEGE TEAM

Rob Rhykerd – Chair of AGR

Brent Beggs – Interim Chair of CJS

Ani Yazedjian – Chair of FCS

Jeff Clark – Chair of HSC

Mary Elaine Califf – Director of IT

Dan Elkins – Director of KNR

LTC John Cross – Chair of MSC

Ted Branoff – Chair of TEC

VISION AND MISSION

Vision

The College of Applied Science and Technology graduates individuals **skilled in critical thinking** with a **life-long passion for learning** and a strong commitment to **civic engagement**.

Mission

The College of Applied Science and Technology cultivates the **intellectual and personal growth** of individuals through **premier teaching, research, and outreach** programs. We emphasize **innovative relationships between theory and practice** in order to graduate **technologically skilled life-long learners** who can contribute effectively to their profession and society.

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CAST PROGRAMS

- Applied learning focus – learn by doing
- Technology and laboratory dependent
- Evolving curricula
- Professional practice required in most disciplines
- Advisory boards provide industry perspectives

“Tell me and I forget.

Teach me and I remember.

Involve me and I learn.” Xun Kuang

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Goal 1

FY17 REPORT

- CAST provides premier comprehensive undergraduate programs.
 - Dr. Shelly Clevenger (CJS) was awarded the American Society of Criminology Division of Victimology Teacher of the Year.
 - Ms. Rachel Smith (KNR) developed a cruise ship industry study abroad trip on which students traveled the islands of Cozumel, Grand Cayman, Castaway Cay, and Jamaica.



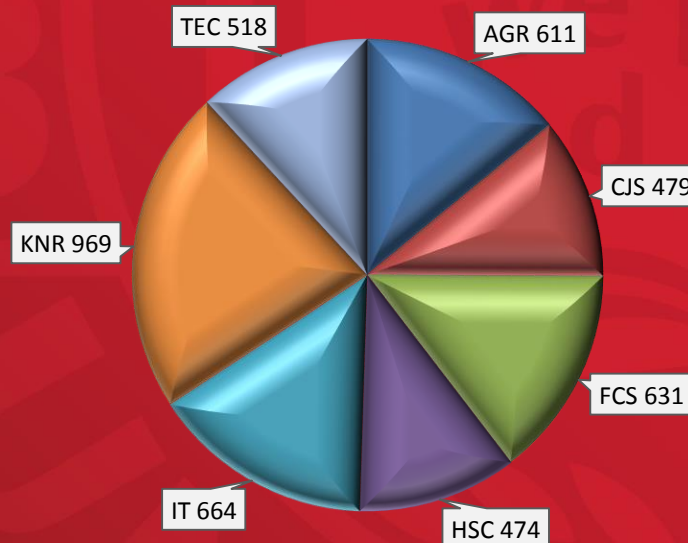
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Goal 1

FY17 REPORT

- Current undergraduate enrollment (4,346) is an all-time high for CAST and represents an enrollment growth of 16.4% over the past four years.

Fall 2016 Undergraduate Enrollment by Unit



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Goal 2

FY17 REPORT

- CAST provides graduate education programs that have a state, national, and international reputation for excellence.
 - In FCS, the pass rate for Didactic Program in Dietetics and Dietetic Intern students on the registered dietitian exam was 100%.



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Goal 2

FY17 REPORT

- Due to the popularity of our *Exercise is Medicine* initiative, a new Graduate Assistantship was created to help faculty coordinate services for clients referred from Student Counseling and/or Student Health Services who are in need of assistance in increasing physical activity or overcoming intrinsic blocks to becoming more active.



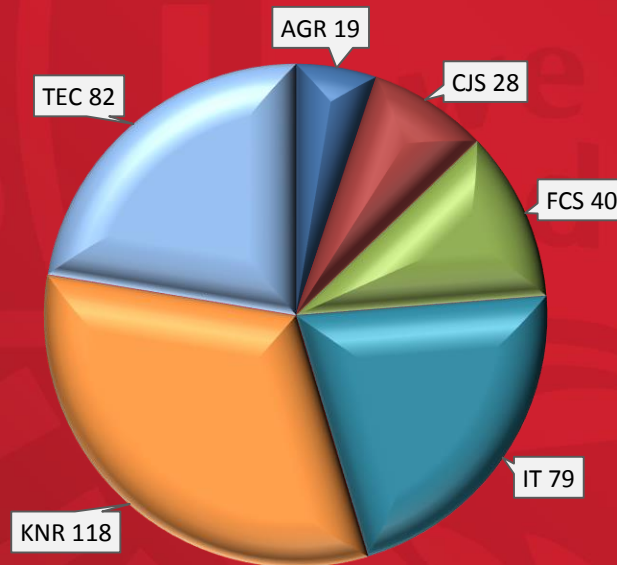
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Goal 2

FY17 REPORT

- Graduate student enrollment (366) is up 8.9% over the past four years.

Fall 2016 Graduate Enrollment by Unit



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Goal 3

FY17 REPORT

- CAST maintains state, national, and international recognition for quality research and scholarship.
 - Dr. Maria Boerngen (AGR) co-authored a grant with faculty members from the University of Illinois that was funded for \$4,000,000.



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Goal 3

FY17 REPORT

- Guang Jin (HSC) earned the University Outstanding Researcher Award.
- Dr. Anu Gokhale from TEC was awarded a Fulbright Distinguished Chair to the University Pernambuco in Brazil.

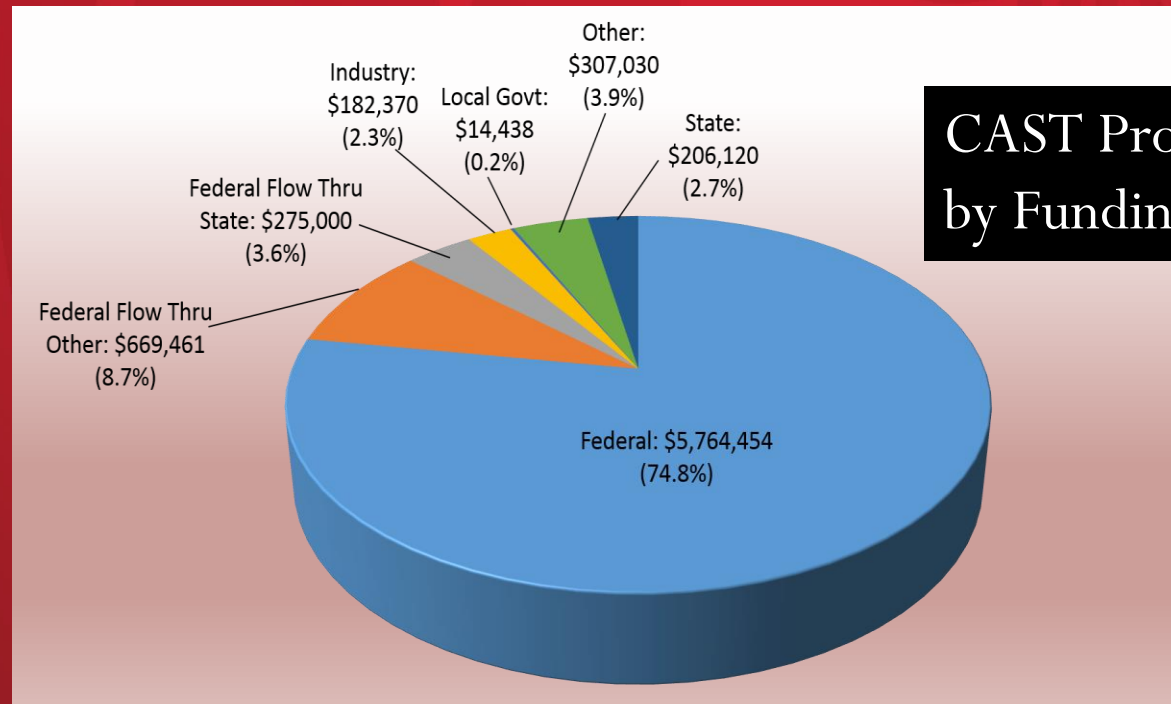


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Goal 3

FY17 REPORT

- Faculty submitted 82.66 extramural funding proposals totaling \$7,709,218. In total, 69.63 proposals were funded for \$2,186,426.



CAST Proposal Submissions
by Funding Source



Goal 4

FY17 REPORT

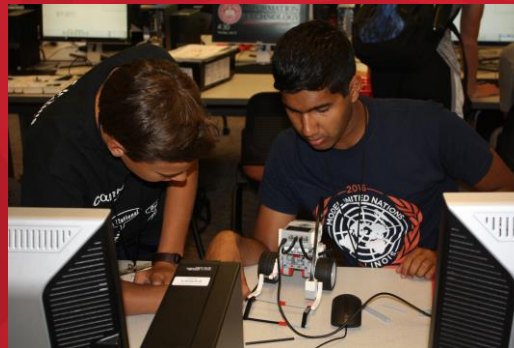
- CAST provides outreach initiatives that enhance the public and private sectors.
 - Dr. Jeff Clark from the Department of Health Sciences was recognized by the American School Health Association as the recipient of the William A. Howe Award. The award is ASHA's highest honor and recognizes individuals for outstanding contributions and distinguished service in school health.

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Goal 4

FY17 REPORT

- The Department of Agriculture formed a new RSO: Minorities in Agriculture and Natural Resources and Related Sciences (MANRRS).
- The School of Information Technology conducted the third annual summer camp for high school students in collaboration with CeMaST and the Illinois Summer Research Academy.



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Goal 4

FY17 REPORT



- Elisabeth Reed (FCS) and the Fashion Design and Merchandising Association received a \$5,000 grant from the Student Sustainability Committee to support Fix it Friday, a new initiative where FDM students set up “shop” in various locations around campus and the community to mend and sew clothing items in need of basic repair for free. This initiative is an effort to educate and help consumers to fix their clothes rather than be so quick to discard them.

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Goal 5

FY17 REPORT

- CAST provides state-of-the-art technology and infrastructure that is sensitive to a healthy, safe, and environmentally sustainable campus.
 - This past Spring, the Child Care Center earned accreditation from the National Association for the Education of Young Children.



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Goal 5

FY17 REPORT

- IT provided functional storage in Old Union 136 to house individual and group student projects and research using Lego MindStorms, Raspberry Pi, Arduino and other tools.



Goal 6

FY17 REPORT

- CAST attracts, develops, and maintains meaningful relationships with internal and external constituencies.
 - CAST hosts Science and Technology Week annually, providing a variety of events that pertain to both internal and external constituencies (students, faculty, staff, alumni, donors, and community members).



Science
And **Technology**
Week 2017
ILLINOIS STATE UNIVERSITY



Goal 6

FY17 REPORT

- The School of IT secured funding for student scholarships from Caterpillar, State Farm, Progressive Impressions International, Integrity Technology Solutions, and private donors, increasing the total number of scholarships to twenty-one.
- Dr. Klaus Schmidt (TEC) provided instruction in French to students from Africa participating in the ISU Management International Development Initiative (MIDI).

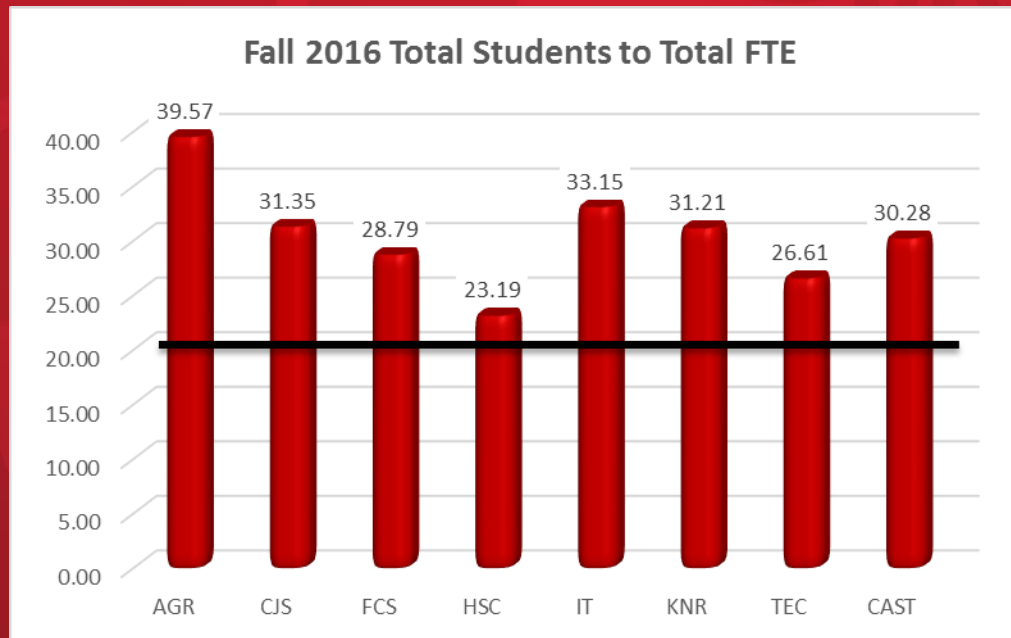


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Productivity
Measures

FY17 REPORT

- The total student to FTE ratio for the College remains above the University target although the ratios are decreasing even as enrollment has increased.



Productivity
Measures

FY17 REPORT

- CAST faculty members published 189 peer-reviewed outcomes (manuscripts, books, book chapters, monographs, etc.) and made 190 peer-reviewed and invited presentations. This is an average of 2.7 refereed outcomes per FTE. Since nearly all professional outcomes are generated by TT faculty (n=109), the adjusted productivity is 3.5 refereed outcomes per TT faculty member.

Productivity
Measures

FY17 REPORT

- Faculty generated 89,673 credit hours. TT generated an average of 488.8 (compared to the University average of 372.9) and NTT generated an average of 745 (compared to the University average of 677).

FY17 REPORT

- Internal Reallocations and Reorganizations
 - New Dean appointed on January 1.
 - Ms. Kara Snyder was named Assistant Dean for Marketing, Communications, and Constituent Relations on March 1.
 - In AGR, an additional .5 FTE academic advisor position was created in response to rapid enrollment growth.

FY17 REPORT

- Internal Reallocations and Reorganizations
 - In CJS, the undergraduate internship coordinator was moved to the academic advisor position and a full-time NTT was named internship coordinator.
 - In FCS, an additional .5 FTE academic advisor position was created in response to rapid enrollment growth.

Major
Objectives

FY18 PLANNING

- For Goal 1, premier comprehensive undergraduate programs
 - Continue to work closely with University Admissions in actively recruiting and retaining students in CAST.
 - Strategically revise existing curricula at the undergraduate level and consider proposals for new programs with input from faculty, advisory boards, and accrediting agencies.
 - Maintain a standard of excellence through national program recognition and accreditation where appropriate.

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Major
Objectives

FY18 PLANNING

- For Goal 1, premier comprehensive undergraduate programs
 - Continue support of the Washington, D.C Internship program and encourage participation by all academic units.
 - Support efforts to host influential guest speakers and professional development opportunities for the benefit of students, faculty, and the community.
 - Conduct successful faculty searches as approved for FY18.

Major
Objectives

FY18 PLANNING

- For Goal 1, premier comprehensive undergraduate programs
 - Promote diverse educational opportunities as a means of broadening life experience, encouraging professional conduct, and fostering a cross-cultural understanding for students and faculty.
 - **Seek opportunities for development of student and faculty exchange programs with international universities and ensure inclusion of all CAST units.**
 - Implement the new cybersecurity major in the School of Information Technology and continue efforts to develop a dedicated laboratory space for the major.

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Major
Objectives

FY18 PLANNING

- For Goal 2, excellent graduate programs
 - Strategically revise existing curricula at the graduate levels and consider proposals for new programs with input from faculty, advisory boards, and accrediting agencies.
 - Maintain a standard of excellence through national program recognition and accreditation where appropriate.
 - Increase the number of graduate assistantships and the average award of stipends as resources permit.

Major
Objectives

FY18 PLANNING

- For Goal 3, quality research and scholarship
 - Promote interdisciplinary and inter-departmental research projects where appropriate.
 - Seek opportunities to unite the needs of corporate partners with available faculty expertise and student professional practice.
 - Increase grant submissions to state and federal agencies, private foundations, and corporate partners.
 - Recognize faculty efforts through the ASPT process in scholarly outcomes including grant funding, refereed publications and presentations, and mentorship of students.

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Major
Objectives

FY18 PLANNING

- For Goal 4, outreach initiatives
 - Support Science and Technology Week and seek additional extramural sponsorship.
 - **Explore expansion of outreach activities that integrates and supports teaching and scholarship.**
 - Support efforts to host influential guest speakers and professional development opportunities for the benefit of students, faculty, and the community.
 - **Support activities of CAST student clubs geared toward service learning and civic engagement opportunities.**

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Major
Objectives

FY18 PLANNING

- For Goal 5, technology and infrastructure
 - Install a lighting laboratory for the Interior Design program.
 - **Develop a plan to address office space and laboratory space constraints in departments and schools that are at or near full capacity.**
 - Provide opportunities for students to be involved in the design and construction of the ISU Solar Car.

Major
Objectives

FY18 PLANNING

- For Goal 5, technology and infrastructure
 - Provide faculty and students access to open-source Micro CNC Mill to enable the making of circuit boards. These machines have played a crucial role in the development of the new Renewable Energy Lab by creating custom electronic housings and electrical circuit boards for the new Solar PV Lab Stations.
 - **Expand our use of desktop virtualization technology (HVD) and application virtualization with the intent of utilizing virtualization to increase availability of software to students and faculty both on and off campus.**

Major
Objectives

FY18 PLANNING

- For Goal 6, meaningful relationships
 - Actively engage with University Advancement in the comprehensive campaign.
 - Continue to encourage and utilize the expertise of advisory councils in the departments and schools in CAST.
 - Expand cultivation and stewardship activities with key alumni, internal, and external constituencies.

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FY18 PLANNING

- Permanent Funding Requests (\$828,695)
 - Academic advisors (.5 FTE) salary in AGR and FCS
 - Graduate assistantships – increased number and stipend provided
 - Ongoing accreditation fees

FY18 PLANNING

- Strategic Budget Carryover (\$632,172)
 - Summer salaries
 - Startup packages
 - Accreditation fees
 - Laboratory equipment
 - Instructional capacity
 - College marketing & communications

FY18 PLANNING

- Provost Enhancements (\$172,492)
 - New program feasibility study
 - Laboratory update
 - Laboratory equipment

FY18 PLANNING

- Personnel Requests
 - 18 new TT requests
 - AGR (3)
 - CJS (1)
 - FCS (3)
 - HSC (1)
 - IT (4)
 - KNR (3)
 - TEC (3)

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