

College of Applied Science and Technology

FY21 Planning Report



Illinois State University

College of Applied Science and Technology

FY21 Planning Document

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I. Major Objectives for FY21

The College has established four major goals with strategies and corresponding action items listed under each goal for FY21 (College of Applied Science and Technology Strategic Plan (2019–2024)). Each of the College’s goals is linked and fully supports the core values and goals championed in *Educate-Connect-Elevate Illinois State 2018-2023*.

CAST MISSION STATEMENT

Through applied learning, we prepare and empower students who will make lasting, positive contributions to their profession and the world. We leverage and celebrate the breadth of programs within the College of Applied Science and Technology that build upon a strong general education foundation.

College of Applied Science and Technology Goals

Goal I: Integrate relevant applied learning and technologies to provide an exemplary educational experience focusing on individual goals for both undergraduate and graduate students (Supports Educate • Connect • Elevate Goals 1, 2, 3, and 4).

1. Continue to work closely with University Admissions in actively recruiting and retaining diverse, motivated, and academically talented students in CAST.
2. Continue CAST Persistence grants and seek additional scholarships and support opportunities to benefit student recruitment and retention.
3. Strategically revise existing curricula at the undergraduate level and consider proposals for new programs (B.S. in Mechanical Engineering; Master’s in Public Health; and sequence in Equine Management) with input from faculty, advisory boards, corporate partners, and accrediting agencies.
4. Develop and support online and distance education programs where pedagogically appropriate and feasible, as well as opportunities to offer professional and community training, through initiatives like the Illinois Forensic Investigation Center.
5. Maintain a standard of excellence through national program recognition and accreditation, where appropriate.
6. Calibrate available resources and our commitment to individualized attention of students as considerations for program enrollments.
7. Continue to support the Washington, D.C Internship program and encourage participation by all academic units.
8. Move into our dedicated laboratory space for the cybersecurity major.

9. Increase the number of graduate assistantships and the average award of stipends, as resources permit.
10. Expand our use of application virtualization with the intent of increasing availability of software to students and faculty both on and off campus.
11. Provide students with opportunities to engage in all levels of research and scholarship.
12. Develop additional collaborative learning spaces within the College.

Goal II. Foster a cohesive culture of diversity, inclusion, and equity that reaches all our students, faculty, and staff. (Supports Educate • Connect • Elevate Goals 2, 3 and 4)

1. Promote inclusion, respect, and equity by creating awareness and through the continuation of professional development opportunities for faculty and staff.
2. Promote diverse educational opportunities as a means of broadening life experience, encouraging professional conduct, and fostering a cross-cultural understanding for students and faculty.
3. Promote interdisciplinary and inter-departmental research projects where appropriate.
4. Support activities of CAST RSOs geared toward service learning and civic engagement opportunities.
5. Seek opportunities for the development of student and faculty exchange programs with international universities and ensure inclusion of all CAST units.

Goal III. Support a workplace that facilitates and rewards faculty and staff excellence. (Supports Educate • Connect • Elevate Goals 1, 2, 3 and 4)

1. Recruit and retain high quality and diverse faculty and staff.
2. Increase the overall scholarly output of tenure-track faculty members including peer-reviewed articles, book chapters, books, abstracts, and proceedings.
3. Seek opportunities to unite the needs of corporate partners with available faculty expertise.
4. Submit competitive grant proposals to state and federal agencies, private foundations, and corporate partners.
5. Continue professional development support and opportunities for faculty, administrative professionals, and civil service staff.
6. Recognize faculty efforts through the ASPT process in scholarly outcomes including grant funding, refereed publications and presentations, and mentorship of students.
7. Review and revise departmental/school ASPT guidelines as needed.

***Goal IV. Develop and maintain productive relationships with external constituencies;
(Supports Educate • Connect • Elevate Goals 1, 2 and 4)***

1. Support Science and Technology Week.
2. Support efforts to host influential guest speakers and professional development opportunities for the benefit of students, faculty, and the community.
3. Continue the development of a research center in the Department of Criminal Justice Sciences and a Center for Renewable and Sustainable Energy in the Department of Technology.
4. Continue to encourage and utilize the expertise of advisory councils in the departments and schools in CAST.
5. Expand cultivation and stewardship activities with key alumni, internal, and external constituencies.
6. Maintain and seek new relationships with external stakeholders to provide students with professional practice experiences and meaningful corporate and agency networks.

II. Permanent Funding Requests

CAST has 13 Permanent funding requests, totaling \$520,382. Most of these requests are for additional graduate assistant support (\$320,382). Additional requests are for permanent funds to hire administrative professional and herder positions, as well as permanent funds for an operating budget, faculty office space, student recruitment, computer replacement, and student travel. Please refer to the PERM Request spreadsheet for further details.

III. Reassigned Time Report for FY20

This report was submitted March 5, 2020.

IV. Strategic Budgeted Carryover (SBC) Requests (Projected)

CAST anticipates strategic budgeted carryover (SBC) requests in the categories of summer salaries, start-up funds for new faculty, instructional capacity, and other for a total of \$474,199. The other category consists of requests to SBC funds for graduate assistants, student recruitment and retention scholarships, upcoming strategic planning expenses, upcoming accreditation expenses, facilities projects, coronavirus cancellations, and full cost recovery course proceeds.

Our largest SBC requests are essential to the work of the college: to cover summer salaries for faculty that cross the fiscal year, instructional capacity costs, and recruitment and retention scholarships for CAST students. The PERS 937 spreadsheet will be submitted by June 12, 2020.

V. Provost Enhancement and Academic Enhancement Fee Requests (PERS 937 spreadsheet)

CAST has 9 Academic Impact Fund (AEF) requests for a total of \$619,009.45 and 2 Provost Enhancement (PE) requests for a total of \$485,000. Academic Enhancement fee requests for both facilities and equipment improvements would enhance student learning opportunities or safety in CAST classrooms and laboratories. AEF Facilities project requests include CAST's ADA classroom renovation at the ISU Farm, Agriculture's Dust Collection System in the Ropp Agriculture Engineering Technology Laboratory, and Greenhouse Cooling Units in the Ropp Greenhouse, as well as Health Sciences' MLS Lab/Student Tech Collaborative Learning Space, and Technology's Learning Technologies upgrade in Turner 124C. AEF Equipment requests include Agriculture's Bovine Theriogenology Set, Kinesiology and Recreation's Vyntus CPX/ECK Metabolic Cart and Technology's Integrated Manufacturing Lab Upgrade and Retrofit Comco Cadet Flexo Press.

Provost Enhancements requests include both facility and equipment requests. The PE equipment request is the Family and Consumer Sciences' Food Truck and the PE facility request is the Health Sciences' Felmley Annex Restroom Upgrades. Please refer to the PERS 937 spreadsheet for additional details.

VI. Supplemental Instructional Capacity Request – Due September 8, 2020

VII. Reassigned Time Report for FY21 -- Due September 8, 2020

VIII. Personnel Requests: Tenure Track Faculty-(PERS 936a spreadsheet)

CAST has 11 tenure-track position requests for a total salary amount of \$936,297. Several of CAST's tenure track position requests represent units that have had tremendous growth and have high student to faculty teaching ratios, including the IT Cybersecurity (2), KNR Exercise Science, and FCS Teacher Education requests. For example, Cybersecurity (IT) and Exercise Science (KNR) are two of the fastest growing majors in CAST and each have School student to faculty ratios at 27-to-1, well above the university's desired average (PRPA). Likewise, enrollments in Family and Consumer Science's Teacher Education have almost doubled (38 to 66, PRPA) since 2015.

In addition, several CAST requests represent opportunities for program development and growth, including Health Science's (HSC) requests in Public and Environmental Health and Environmental Health and Safety, Information Technology's (IT) request in Computer Science, and Criminal Justice Science's (CJS) request in Cybercrime/Cybersecurity. We believe that HSC's position in Public and Environmental Health will not only support their undergraduate program, but also

provide foundational support for a new master's degree program in Public Health, a targeted area of growth for CAST. Similarly, CJS does not currently have a faculty member in the rapidly growing area of Cybercrime/Cybersecurity. The School of Information Technology is awaiting approval from the Illinois Board of Higher Education for their new Master's in Computer Science (CS), which will increase their graduate enrollment. Coupled with their failed search for a CS position in FY20 and rising undergraduate enrollments, an additional faculty member will help foster growth in both the graduate and undergraduate CS programs. Finally, Health Sciences' Safety program is currently experiencing significant deficits in the number of graduates available to meet industry needs. All these programs have the potential for growth.

Finally, several CAST requests represent programs that are largely relying on non-tenure track faculty to deliver program content, due to past retirements or resignations that remain unfilled. For example, the Family and Consumer Sciences' Human Development and Family Science program, accredited by the National Council on Family Relations, is currently reliant on faculty overloads and adjunct faculty to deliver the program content. Similarly, in the fall of 2019, eight Construction Management (accredited by American Council for Construction Education) classes were covered by part-time faculty. Finally, 5 of the courses 11 TEC Project Management (graduate courses) taught in the fall of 2019 were taught by part-time instructors. Please refer to the PERS 936a spreadsheet for details.

CAST has one Strategic Cluster Hiring request in the growing area of Crimmigration, a joint position between Criminal Justice Sciences and Latin American and Latino/a Studies. As our borders are receiving increasing national attention and as the field grapples with issues connected to Latino immigration and crime, this joint position will strengthen ties between the two units and fill an important void in both programs. Please refer to the PERS 936SCH spreadsheet and MOU attached for details; the signed MOU was submitted to S. Catanzaro.

IX. Personnel Requests: Tenure Track Faculty- Non-reappointment or tenure-denial/death (PERS 936b spreadsheet)

N/A.

X. Personnel Requests: Non-Tenure Track Positions (PERS 936c spreadsheet)

CAST has 2 non-tenure track position (NTT) requests for a total salary amount of \$90,000. We are requesting an NTT position to replace a long-standing NTT (Don Meyer) in the Department of Agriculture, with a requested salary of \$40,500. Next, we are requesting a conversion from a tenure track position in Family Consumer Sciences, Interior Design program (\$49,500). The FCS Interior Design program had a

resignation of an Assistant Professor (Dr. West-Albert) in 2019 and believe that a working professional would add an important dimension to their program and be helpful in their accrediting process which requires faculty to have previously passed their qualifying exam. Please refer to the PERS 936c spreadsheet for details.