



K-State 2025 Strategic Action and Alignment Plan

College or Major Unit: College of Engineering

Department: Computing and Information Sciences

1. What are your Department’s mission and vision and how does your organization contribute to achieving the University’s and your College’s/Major Unit’s vision for K-State 2025?

The mission of CIS at K-State is four-fold:

1. Conducting world class, high quality basic and applied research that contributes to the body of knowledge in computer science, software engineering, information technology and related interdisciplinary areas.
2. Educating tomorrow’s leaders in computing professions at the BS, Masters and PhD level.
3. Educating students and faculty at K-State with computing tools and knowledge to become highly competitive in the information rich world, and engaging them to strengthen the impact of computation in other disciplines.
4. Conducting Outreach programs to enhance K-12 STEM education, promote economic development and societal impacts of computing.

2. What are your Department’s key strategic activities and outcomes?

3. Identify [in brackets] which of your Department’s strategic outcomes are directly linked to your College’s/Major Unit’s outcomes. (If your Department or similar unit is not in a College or Major Unit, skip this question.)

Theme 1: Conducting world class, high quality basic and applied research that contributes to the body of knowledge in computer science, software engineering, information technology and related interdisciplinary areas.

Key Activities	Short Term (2013 - 2015) Key Outcomes	Intermediate (2016 - 2020) Key Outcomes	Long Term (2021 - 2025) Key Outcomes
<i>What we plan to do...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>
1. Promote and publicize high-quality scholarly work of faculty	A. Increase number of endowed chairs and professorships from 1 to 3 [ENT3C]	A. Increase number of endowed chairs and professorships to 5 [ENT3C]	A. Increase number of endowed chairs and professorships to 6 [ENT3C]
2. Establish high quality research programs with international impact	B. Increase research expenditure from \$2.3M to \$4M [ENT3E]	B. Increase research expenditure to \$4.5M [ENT3E]	B. Increase research expenditure to \$5M [ENT3E]
3. Recruit and retain high-quality faculty and maintain high level of Espirit de Corps	C. Increase number of projects that include industrial participation from 3 per year to 5 per year [None]	C. Increase number of projects that include industrial participation to 7 per year [None]	C. Increase number of projects that include industrial participation to 8 per year [None]
4. Establish programs with stable extramural funding from a diverse collection funding sources	D. Increase number of projects funded by industry from 4 per year to 5 per year [None]	D. Increase number of projects funded by industry to 6 per year [None]	D. Maintain number of projects funded by industry at 6 per year [None]
5. Develop and support multidisciplinary activities and centers	E. Increase number of faculty visits to industry/national labs from 10 per year to 15 per year [None]	E. Increase number of faculty visits to industry/national labs to 18 per year [None]	E. Increase number of faculty visits to industry/national labs to 20 per year [None]
6. Enhance scholarly activities by faculty			
7. Provide opportunities to graduate students for professional			

development 8. Provide opportunities to engage undergraduate students in research	F. Increase number of technology transfer activities to 5 per year [None]	F. Increase number of technology transfer activities to 7 per year [None]	F. Increase number of technology transfer activities to 8 per year [None]
	G. Increase number of media recognitions (new releases, interviews, etc.) to 6 per year [None]	G. Increase number of media recognitions to 8 per year [None]	G. Maintain number of media recognitions at 8 per year [None]
	H. Increase number of on-campus faculty awards to 2 per year [None]	H. Maintain number of on-campus faculty awards at 2 per year [None]	H. Maintain number of on-campus faculty awards at 2 per year [None]
	I. Increase faculty awards with national/international exposure to 1 per year [None]	I. Maintain faculty awards with national/international exposure to 1 per year [None]	I. Maintain faculty awards with national/international exposure to 1 per year [None]
	J. Increase in number of positions in conference committees and panels from 30 per year to 35 per year [ENT3B]	J. Increase number of positions in conference committees and panels from to 40 per year [ENT3B]	J. Maintain number of positions in conference committees and panels to 40 per year [ENT3B]
	K. Increase number of faculty fellows to 2 [ENT3B]	K. Increase number of faculty fellows to 3 [ENT3B]	K. Maintain number of faculty fellows to 3 [ENT3B]
	L. Increase number of meeting/event organization activities from 8 to 10 per year [ENT3B]	L. Maintain number of meeting/event organization activities 10 per year [ENT3B]	L. Maintain number of meeting/event organization activities 10 per year [ENT3B]
	M. Increase number of refereed publications from 38 to 45 per year [ENT3A]	M. Increase number of refereed publications to 50 per year [ENT3A]	M. Increase number of refereed publications to 55 per year [ENT3A]
	N. Increase number of graduate students with fellowship support to 5 per year [ENT3F]	N. Increase number of graduate students with fellowship support to 6 per year [ENT3F]	N. Increase number of graduate students with fellowship support to 8 per year [ENT3F]
	O. Increase number of visits by graduate students to industry and academic partners to 10 per year [None]	O. Increase number of visits by graduate students to industry and academic partners to 13 per year [None]	O. Increase number of visits by graduate students to industry and academic partners to 15 per year [None]
	P. Increase number of graduate research internships to 5 per year [ENT5D]	P. Increase number of graduate research internships to 8 per year [ENT5D]	P. Increase number of graduate research internships to 10 per year [ENT5D]
Q. Increase number of faculty working in multidisciplinary areas to 8 [ENT3G]	Q. Increase number of faculty working in multidisciplinary areas to 9 [ENT3G]	Q. Increase number of faculty working in multidisciplinary areas to 10 [ENT3G]	

Theme 2: Educating tomorrow's leaders in computing professions at the BS, Masters and PhD level.

Key Activities	Short Term (2013 - 2015) Key Outcomes	Intermediate (2016 - 2020) Key Outcomes	Long Term (2021 - 2025) Key Outcomes
<i>What we plan to do...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>
<p>Graduate Studies</p> <ol style="list-style-type: none"> Recruit PhD students Encourage MS students to do a thesis option Developing funding for student travel to conferences Encourage student presentation of research within or outside the department Encourage students authorship of publications Develop support for PhD students Consider joint BS/MS program that is research oriented. 	<p>A. Increase percentage of MS students doing the MS Thesis option from 30% to 40% [None]</p> <p>B. Increase number of MS/MSE students attending conferences/workshops from 2 to 5 per year.[None]</p> <p>C. Increase number of occurrences of MS/MSE students as authors of papers from 8 to 10 per year [None]</p> <p>D. Increase number of PhD students from 31 to 36 [ENT3D]</p> <p>E. Increase number of PhD graduates to 4 per year [ENT3D]</p> <p>F. Increase number of occurrences of PhD students as authors of papers from 15 to 20 per year [None]</p> <p>G. Increase number of PhD students attending conferences/workshops from 11 to 15 per year [None]</p> <p>H. Increase percentage of fully funded PhD students to 90% [None]</p>	<p>A. Increase percentage of MS students doing the MS Thesis option to 60% [None]</p> <p>B. Increase number of MS/MSE students attending conferences/workshops to 7 per year [None]</p> <p>C. Increase number of occurrences of MS/MSE students as authors of papers to 15 per year [None]</p> <p>D. Increase number of PhD students to 45 [ENT3D]</p> <p>E. Increase number of PhD graduates to 6 per year [ENT3D]</p> <p>F. Increase number of occurrences of PhD students as authors of papers to 25 per year [None]</p> <p>G. Increase number of PhD students attending conferences/workshops to 20 per year [None]</p> <p>H. Increase percentage of fully funded PhD students to 95% [None]</p>	<p>A. Increase percentage of MS students doing the MS Thesis option to 75% [None]</p> <p>B. Increase number of MS/MSE students attending conferences/workshops to 10 per year [None]</p> <p>C. Increase number of occurrences of MS/MSE students as authors of papers to 18 per year [None]</p> <p>D. Increase number of PhD students to 55 [ENT3D]</p> <p>E. Increase number of PhD graduates to 8 per year [ENT3D]</p> <p>F. Increase number of occurrences of PhD students as authors of papers to 30 per year [None]</p> <p>G. Increase number of PhD students attending conferences/workshops to 25 per year [None]</p> <p>H. Increase percentage of fully funded PhD students to 100% [None]</p>
<p>Undergraduate Studies</p> <ol style="list-style-type: none"> Develop programs to retain students with emphasis on students who are high-performing and/or from underrepresented groups. Develop comprehensive advising programs and strengthen 	<p>A. Increase number of incoming freshmen per year with high school GPA at least 3.6 and ACT composite score of at least 29 from 11 to 18 [ENT1A]</p> <p>B. Increase number of undergraduate students in the CS program from 204 to 250. [ENT1B]</p> <p>C. Increase number of undergraduate</p>	<p>A. Increase number of incoming freshmen per year with high school GPA at least 3.6 and ACT composite score of at least 29 to 22 [ENT1A]</p> <p>B. Increase number of undergraduate students in the CS program to 260 [ENT1B]</p> <p>C. Increase number of</p>	<p>A. Increase number of incoming freshmen per year with high school GPA at least 3.6 and ACT composite score of at least 29 to 25 [ENT1A]</p> <p>B. Increase number of undergraduate students in the CS program to 270 [ENT1B]</p> <p>C. Increase number of</p>

collaboration with the College advising system.	students in the IS program from 36 to 50 [ENT1B]	undergraduate students in the IS program to 65 [ENT1B]	undergraduate students in the IS program to 80 [ENT1B]
3. Conduct workshops for high school teachers to provide them with training on integrating computing into their teaching.	D. Increase number of BS graduates from 28 per year to 35 per year [ENT1E]	D. Increase number of BS graduates to 40 per year [ENT1E]	D. Increase number of BS graduates to 45 per year [ENT1E].
4. Develop programs that expose middle school students to computer science principles.	E. Increase Freshman-sophomore retention from 54% to 57% [ENT1G]	E. Increase Freshman-sophomore retention to 60% [ENT1G]	E. Increase Freshman-sophomore retention to 63% [ENT1G]
5. Expand recruitment of high-quality students.	F. Increase number of female students from 15 to 20 [ENT1D]	F. Increase number of female students to 25 [ENT1D]	F. Increase number of female students to 30 [ENT1D]
6. Provide opportunities for undergraduate research.	G. Improve 6-year graduation rates from 19% to 23% [ENT1F]	G. Improve 6-year graduation rates to 26% [ENT1F]	G. Improve 6-year graduation rates to 30% [ENT1F]
7. Continue to align our curricula with evolving trends in the computational field.	H. Increasing number of advising meetings per students from 1.3 to 2 per year [None]	H. Increasing number of advising meetings per students to 2.5 per year [None]	H. Increasing number of advising meetings per students to 3 per year [None]
8. Adapt our teaching strategies to reflect current educational best practices.	I. Increase number of participant-hours in K-12 workshops to 1000 per year [None]	I. Increase number of participant-hours in K-12 workshops to 1200 per year [None]	I. Increase number of participant-hours in K-12 workshops to 1250 per year [None]
	J. Increase number of student interactions in K-12 outreach per year to 350 [None]	J. Increase number of student interactions in K-12 outreach per year to 400 [None]	J. Increase number of student interactions in K-12 outreach per year to 450 [None]
	K. Increase number of funded students involved in undergraduate research from 11 to 13 per year [ENT1H]	K. Increase number of funded students involved in undergraduate research to 15 per year [ENT1H]	K. Increase number of funded students involved in undergraduate research to 17 per year [ENT1H]
	L. Increase number of students with internships to 50 per year. [ENT5D]	L. Increase number of students with internships to 60 per year [ENT5D]	L. Increase number of students with internships to 70 per year [ENT5D]

Theme 3: Educating students and faculty at K-State with computing tools and knowledge to become highly competitive in the information rich world, and engaging them to strengthen the impact of computation in other disciplines.

Key Activities	Short Term (2013 - 2015) Key Outcomes	Intermediate (2016 - 2020) Key Outcomes	Long Term (2021 - 2025) Key Outcomes
<i>What we plan to do...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>
1. Provide state of the art education in information technology literacy to K-State community.	A. Increase enrollment in introductory information technology course from 1800 student credit hours per year to 1900 student credit hours per year [None]	A. Increase enrollment in introductory information technology course to 2000 student credit hours per year [None]	A. Increase enrollment in introductory information technology course to 2100 student credit hours per year [None]
2. Provide support for high-performance computing computational research to K-State research community.	B. Develop new courses (at least two) on information security [None]	B. Continue to offer courses on information security [None]	B. Continue to offer courses on information security [None]

3. Educate and train a sophisticated workforce in computational science	C. Increase the number of users of Beocat high performance computing cluster from 180 to 300 [None]	C. Well established high performance computing infrastructure to support computational research at K-State with steady number of users [None]	C. Well established high performance computing infrastructure to support computational research at K-State [None]
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Theme 4: Conducting Outreach programs to enhance K-12 STEM education, promote economic development and societal impacts of computing.

Key Activities	Short Term (2013 - 2015) Key Outcomes	Intermediate (2016 - 2020) Key Outcomes	Long Term (2021 - 2025) Key Outcomes
<i>What we plan to do...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>	<i>What we expect to happen...</i>
<ol style="list-style-type: none"> 1. Increase our advertisement of the MSE program, both to alumni and target companies within the Midwest region. 2. Work with Kansas State University recruiting offices in China, India, and Vietnam to advertise the MSE distance program internationally. 3. Investigate a combined BS/MSE program that would allow students to complete the MSE program online after graduating with their BS with a reduced number of hours 4. Encourage the integration of CS Principles across K-12 curriculum in the state of Kansas 5. Conduct workshops for in-service K-12 teachers to provide them with training on integrating computer science principles into their teaching. 	<ol style="list-style-type: none"> A. Increase distance education enrollment from 5 to 10 [None] B. Increase number of projects emphasizing K-12 education from 1 to 3 [None] C. Increase number of participant-hours in K-12 workshops to 1000 per year [None] D. Increase number of student interactions in K-12 outreach per year to 350 [None] 	<ol style="list-style-type: none"> A. Increase distance education enrollment to 20 [None] B. Maintain number of projects emphasizing K-12 education to 3 [None] C. Increase number of participant-hours in K-12 workshops to 1200 per year [None] D. Increase number of student interactions in K-12 outreach per year to 400 [None] 	<ol style="list-style-type: none"> A. Increase distance education enrollment to 30 [None] B. Maintain number of projects emphasizing K-12 education to 3 [None] C. Increase number of participant-hours in K-12 workshops to 1250 per year [None] D. Increase number of student interactions in K-12 outreach per year to 450 [None]

4a. What resources and/or opportunities exist for your Department to achieve its vision and outcomes?

The major resources for the CIS Department are its faculty and staff. The department has the following to help achieve our objectives:

- Well established research programs
- Excellent student advising system
- Comprehensive curriculum for undergraduate and graduate education

4b. What resources and/or opportunities are needed for your Department to achieve its vision and outcomes?

To achieve our goals, the CIS Department will need the following:

- Additional faculty lines (5 lines)
- Funds to attract and support graduate students
- Funds to attract and retain high quality faculty

5. How do you propose to acquire the resources needed for your Department to accomplish its vision and outcomes?

We plan to acquire these resources as follows:

- Request central administration for faculty lines
- Request college for scholarship support for graduate students
- Acquire extramural funds to expand research programs
- Leverage UEIA funds to improve undergraduate curriculum

**6. How does your plan link to the K-State 2025 University Benchmark Metrics, Common Elements, and Thematic Goals, Outcomes, and Metrics?
(See *below*)**

6. Departmental Links to K-State 2025 University Benchmark Metrics, Common Elements, and Thematic Goals, Outcomes, and Metrics

Links to Benchmark Metrics
B-1 - Total research and development expenditures B-2 - Endowment pool B-4 - Number of faculty awards B-5 - Number of doctorates granted annually B-6 - Freshman-to-sophomore retention rate B-7 - Six-year graduation rate B-8 - Percent of undergraduate students involved in research

Links to Common Elements
CE-1 - Communications and Marketing CE-3 - Diversity CE-5 - Funding CE-6 - International CE-8 - Technology

Links to University Thematic Goals, Outcomes, and Metrics			
Links to 2025 Thematic Goals and Metrics	Links to Short Term Outcomes (2011 – 2015)	Links to Intermediate Outcomes (2016 – 2020)	Links to Long Term Outcomes (2021 – 2025)
<p>T1 - Research, Scholarly and Creative Activities, and Discovery (RSCAD)</p> <p>Theme 1 Metrics:</p> <p>T1-1 - # of interdisciplinary research projects, institutes, and centers</p> <p>T1-2 - Total sponsored extramural funding expenditures</p> <p>T1-3 - # of juried, adjudicated, or externally vetted performances, shows and designs</p> <p>T1-4 - # of refereed scholarly publications per academic year and allocated faculty member</p> <p>T1-5 - Total international research and development expenditures</p>	<p>T1-A - Increased intellectual and financial capital to support RSCAD</p> <p>T1-B - More clusters/centers of collaborative RSCAD focus</p> <p>T1-C - Increased funding for investigator-based research, research centers, and graduate training grants</p> <p>T1-E - Competitive compensation and support available to GRAs, GTAs, and GAs</p> <p>T1-F - Enhanced and systematic approach for UG research</p> <p>T1-G - Successful recruitment, retention, evaluation, compensation, and rewards strategies in place to support RSCAD needs</p> <p>T1-H - Enhanced visibility and appreciation for research, discovery, and scholarly and creative activities</p>	<p>T1-I - Intellectual and financial capital in place for expanded RSCAD efforts</p> <p>T1-J - Greater proportion of nationally and internationally recognized award-winning faculty in RSCAD programs</p> <p>T1-K - Nationally and internationally recognized research centers</p> <p>T1-M - Increased participation by undergraduates in expanded opportunities in research</p>	<p>T1-N - Fifty nationally recognized K-State researchers, a high proportion of which are members of their national academies</p> <p>T1-O - Extramural funding competitive with our benchmark institutions</p> <p>T1-P - Research and development expenditures competitive with benchmark institutions</p>

Links to University Thematic Goals, Outcomes, and Metrics

Links to 2025 Thematic Goals and Metrics	Links to Short Term Outcomes (2011 – 2015)	Links to Intermediate Outcomes (2016 – 2020)	Links to Long Term Outcomes (2021 – 2025)
<p>T2 - Undergraduate Educational Experience (UEE)</p> <p>Theme 2 Metrics:</p> <p>T2-2 - # and % of undergraduate students completing an experiential learning experience</p> <p>T2-6 - % of undergraduate enrollment by demographic group</p> <p>T2-7 - Student satisfaction and utilization rates</p>	<p>T2-A - Excellent, customized academic advising and services available to all students to support their success and degree completion</p> <p>T2-C - Increased participation by undergraduates in expanded opportunities for meaningful research</p> <p>T2-D - Successful integration of undergraduate education and meaningful research is standard practice</p> <p>T2-E - Effective evaluation practices that recognize and reward teaching, advising, and life-long learning/professional development</p> <p>T2-G - Successful recruitment and retention strategies that address our entire student population</p> <p>T2-H - Improved six-year graduation rates and retention ratios</p>	<p>T2-J - Excellent reputation for high quality teaching and advising that prepares students for their professional, community, social, and personal lives</p> <p>T2-K - Superior and diverse faculty recognized for teaching excellence</p> <p>T2-M - Increased undergraduate contributions in the creation of scholarship through research</p> <p>T2-N - Ongoing improvement of six-year graduation rates and retention ratios</p>	<p>T2-O - An undergraduate educational experience recognized as one of the best among the nation's Top 50 Public Research Universities</p> <p>T2-Q - Freshman to Sophomore retention ratios comparable to benchmark institutions</p> <p>T2-R - Six-Year graduation rates comparable to benchmark institutions</p>
<p>T3 - Graduate Scholarly Experience</p> <p>Theme 3 Metrics:</p> <p>T3-1 - # and % of graduate students with assistantships, endowed scholarships, and fellowships</p> <p>T3-2 - Total funds awarded for graduate assistantships, endowed scholarships, and fellowships</p> <p>T3-4 - # of private/public sector partnerships supporting graduate experiential training opportunities</p> <p>T3-5 - # of graduate students</p>	<p>T3-A - Competitive compensation and support available for GRAs, GTAs, and GAs</p> <p>T3-D - Outstanding mentoring for our graduate students</p> <p>T3-E - Expectation of excellence for the graduate scholarly experience</p> <p>T3-F - Increased capacity to secure funding for graduate research and teaching</p> <p>T3-H - Expanded partnerships with</p>	<p>T3-I - Increased participation by our graduate students in unique high level learning and experiential training</p> <p>T3-J - Expanded reputation for outstanding graduates with the critical skill sets needed to excel in their careers in a global environment</p> <p>T3-K - Increased funding for graduate research and teaching</p> <p>T3-L - Increased number of nationally and internationally recognized award-winning graduate faculty</p>	<p>T3-N - National and international reputation for outstanding graduates with demonstrable career success</p> <p>T3-O - World-class reputation as a preferred destination for outstanding graduate students</p> <p>T3-P - Stable funding for graduate research and teaching competitive with benchmark institutions</p> <p>T3-Q - Doctorates Awarded comparable with benchmark institutions</p>

Links to University Thematic Goals, Outcomes, and Metrics			
Links to 2025 Thematic Goals and Metrics	Links to Short Term Outcomes (2011 – 2015)	Links to Intermediate Outcomes (2016 – 2020)	Links to Long Term Outcomes (2021 – 2025)
<p>participating in a unique high level learning and experiential training</p> <p>T3-6 - # of graduate terminal degrees awarded</p> <p>T3-7 - Total graduate students enrolled by demographic group and degree type</p>	<p>industry and government to provide high level learning and experiential training opportunities for graduate students</p>	<p>T3-M - Increased number of Doctorates Awarded</p>	
<p>T4 - Engagement, Extension, Outreach and Service</p> <p>Theme 4 Metrics:</p> <p>T4-2 - Total extramural-funded expenditures for Engagement initiatives at the local, state, national, and international level</p> <p>T4-3 - # of partnerships by sector and geographic boundary supporting collaborative research, education, and engagement</p> <p>T4-5 - # of participants involved in community-based research and outreach projects</p>	<p>T4-C - Increased recognition of our services as a source of expertise, information, and tools for disciplines worldwide</p> <p>T4-E - Increased extramural funding for Engagement initiatives at the local, state, national, and international level</p> <p>T4-F - Recognition as leaders in Engagement within our state and nation</p> <p>T4-G - Enhanced visibility and appreciation for Engagement and its interconnectedness with research and education within our university community</p>	<p>T4-J - Increased number of graduate students involved in Engagement</p>	<p>T4-O - Nationally and internationally recognized as leaders in Engagement on a global scale</p>
<p>T5 - Faculty and Staff</p> <p>Theme 5 Metrics:</p> <p>T5-1 - # of national and international faculty awards</p> <p>T5-2 - # and % of faculty with endowed chairs, professorships, and fellowships</p> <p>T5-3 - Competitive compensation packages for faculty and staff</p> <p>T5-4 - # and % of faculty and staff participating in international experiences</p>	<p>T5-A - Total compensation competitive with aspirant university and regional employers for faculty and staff in high priority areas</p> <p>T5-D - Effective evaluation processes that result in accountable faculty and staff with a clear understanding of their job expectations and how they contribute to the University's mission</p>	<p>T5-E - Total compensation competitive with aspirant university and regional employers for all employees</p> <p>T5-F - Faculty and staff current with developments in their fields and the skills needed to achieve excellence in performing their jobs</p> <p>T5-G - Successful recruitment and retention of a talented and high performing, diverse workforce</p>	<p>T5-H - Talented and high performing, diverse workforce recognized for excellence and award-winning faculty and researchers</p> <p>T5-I - Stable funding available for recruitment and retention of top level faculty and staff</p> <p>T5-J - Optimal number of faculty and staff comparable with our benchmark institutions</p>

Links to University Thematic Goals, Outcomes, and Metrics			
Links to 2025 Thematic Goals and Metrics	Links to Short Term Outcomes (2011 – 2015)	Links to Intermediate Outcomes (2016 – 2020)	Links to Long Term Outcomes (2021 – 2025)
T5-5 - % of tenure/tenure-track faculty by demographic group			
<p>T6 - Facilities and Infrastructure</p> <p>Theme 6 Metrics:</p> <p>T6-1 - # and % of technology enabled classrooms</p>	T6-C - Robust and reliable information technology ensuring business continuity and consistent with the achievement of the highest quality levels of support for research, instruction, student services, and administration	<p>T6-D - Adequate office space for all K-State employees equipped to support their work and productivity</p> <p>T6-E - Enhanced campus community experience and collaborative learning and working environments promoted by facilities that support multidisciplinary work and integrated interaction between students, faculty, researchers, staff, and administrators</p>	<p>T6-G - High quality, technology enabled, flexible and adaptable classroom space appropriate to the evolving needs of the learning environment and readily available to K-State faculty and students</p> <p>T6-H - High-quality research laboratories and specialty spaces that enhance research and scholarly activities</p> <p>T6-I - Well-maintained buildings, utilities, IT infrastructure, and grounds consistent with the expectations and image of a highly ranked land grant research and teaching institution</p>