

UNIT REPORT

Science and Engineering Technology, College of -  
Assessment Plan Summary

Science and Engineering Technology, College of

To Bring Visibility To Programs In The College

Goal Description:

The College of Sciences will actively publish faculty and student accomplishments through local and national media and increase public exposure to scholarly and artistic events on campus.

RELATED ITEMS/ELEMENTS  
RELATED ITEM LEVEL 1

Visibility

Performance Objective Description:

The College of Sciences will publicize research and creative accomplishments of faculty and departments in the Heritage magazine, on the website, and in other publications.

RELATED ITEM LEVEL 2

Visibility

KPI Description:

We will seek to have at least 10 publications of research and creative accomplishments in journals, newsletters, and on websites.

Results Description:

In this time period, 9 articles were featured in the Today at Sam and Headlines section of the University website and four articles were featured in the fall 2016 Heritage magazine, which was focused almost exclusively on COSET.

Attached Files

 [Visibility Document evidence](#)

RELATED ITEM LEVEL 3

Actions

Action Description:

We will implement new funding model for TA and scholarships to address graduate student stipend number and funding.

We will continue to use the website and social media to publicize activities of students and faculty in STEM field.

We will recruit 11 new faculty members in the College in FY18 (3 new, 8 replacement).

To Enhance The Quality Of Graduate Programs In The College

Goal Description:

The College of Sciences will provide resources, planning and direction that will assist departments in growing quality graduate programs.

RELATED ITEMS/ELEMENTS  
RELATED ITEM LEVEL 1

Provide Adequate Assistantships For Graduate Students

Performance Objective Description:

The college will allocate competitive assistantships in a manner that allows each program to recruit the quality and quantity of graduate students necessary to offer a viable graduate program.

RELATED ITEM LEVEL 2

Percentage Of Graduate Students On Assistantship

KPI Description:

The college will produce a TA report that includes at least 85% full time on-campus graduate students who are receiving assistantships in COAS

Results Description:

108 graduate students in the MS in Agriculture, Biology, Chemistry, Geographic Information Systems, Computer Information Systems, Mathematics, and Statistics on-campus degree programs are full-time (9 hrs or more per semester (6 if on TA)).

80 were on assistanships for a percentage of 74%.

RELATED ITEM LEVEL 3

Actions

Action Description:

We will implement new funding model for TA and scholarships to address graduate student stipend number and funding.

We will continue to use the website and social media to publicize activities of students and faculty in STEM field.

We will recruit 11 new faculty members in the College in FY18 (3 new, 8 replacement).

RELATED ITEM LEVEL 1

Provide Adequate Graduate Scholarships

Performance Objective Description:

The college will provide an adequate number of \$1500 scholarships to assist in the recruitment and retention of high caliber graduate students. Due to low overall stipends and an inability to waive tuition, merit scholarships are needed to attract out-of-state and international students to graduate programs.

RELATED ITEM LEVEL 2

Percentage Of Graduate Students On Scholarship

KPI Description:

The college will produce a report of at least 30 scholarships per academic year for full-time on-campus graduate students.

Results Description:

In Fall 2016, there were 108 full-time on-campus graduate students in COSET (out of 176 total on-campus). In Fall 2016, 26 students received the \$1500 COSET Dean's Scholarships (10 were denied). In Spring 2017, 25 students received the \$1500 COSET Dean's Scholarship (24 were denied) for a total of 51 scholarships. From the two competitions, 23 students received one and 14 students received two scholarships. Fifty one out of 96 applications for the scholarship were approved for a funding rate of 53% for applications and 52% for students (awards of one or two scholarships for 37 unique students out of 72 student applicants).

RELATED ITEM LEVEL 3

Actions

Action Description:

We will implement new funding model for TA and scholarships to address graduate student stipend number and funding.

We will continue to use the website and social media to publicize activities of students and faculty in STEM field.

We will recruit 11 new faculty members in the College in FY18 (3 new, 8 replacement).

To Further Excellence In Teaching

Goal Description:

The College of Sciences will provide the resources,support, and mechanisms to assist departments and faculty in their efforts to improve teaching throughout the college curriculum.

RELATED ITEMS/ELEMENTS  
RELATED ITEM LEVEL 1

Recruit Highly Credentialed Faculty

Performance Objective Description:

The college will strive to hire faculty who posses the terminal degree from R1 universities.

RELATED ITEM LEVEL 2

Highly Credentialed Faculty

KPI Description:

Eighty percent of new tenure track faculty hires will possess the terminal degree.

Results Description:

During this academic year, all faculty who were hired into tenure track roles had completed the highest terminal degree in their field (PhD) (100% of new hires).

RELATED ITEM LEVEL 3

Actions

Action Description:

We will implement new funding model for TA and scholarships to address graduate student stipend number and funding.

We will continue to use the website and social media to publicize activities of students and faculty in STEM field.

We will recruit 11 new faculty members in the College in FY18 (3 new, 8 replacement).

To Promote Excellence In Creative Activities And Research

Goal Description:

The College of Sciences will provide the resources and support to facilitate scientific inquiry among faculty and students in the college.

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

Provide Appropriate Faculty Travel Funds

Performance Objective Description:

The college will solicit travel requests from faculty members, then request, acquire and allocate appropriate funding for proposed travel.

RELATED ITEM LEVEL 2

Faculty Travel Funds

KPI Description:

The college will solicit travel requests from faculty members, prioritize these requests, and acquire the necessary funds to facilitate the research and developmental goals of the faculty. Our goal will be to fund 75% of the requests.

Results Description:

Travel funds were allocated from distributions from the Graduate Advising Fee and Dean of Graduate Studies Office. All requests (100%) were fulfilled at the maximum amount allowed (up to \$750 for in-state travel, \$1000 for out of state in country travel, and up to \$1500 for international travel).

To Provide A Rigorous, Current Curriculum

Goal Description:

The College of Sciences will encourage the development of new programs that reflect discipline specific and societal changes. The College will adhere to a formal, rigorous curriculum review process.

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

Accreditation Of Programs

Performance Objective Description:

The college will identify all programs that are eligible for accreditation through professional organizations and initiate the accreditation or reaccreditation in each case.

RELATED ITEM LEVEL 2

Program Accreditation

KPI Description:

Programs that are eligible for accreditation from outside agencies will seek or renew accreditation.

Results Description:

The one accredited program in Computer Science remains accredited by ABET. One faculty member in the department of Agricultural Sciences and Engineering Technology attended a workshop on ABET accreditation. A new faculty member with experience in ABET accreditation for Engineering Technology was hired and will begin work fall 2017.

RELATED ITEM LEVEL 1

Restructure College Curriculum Process

Performance Objective Description:

The college will establish fixed deadlines for submission of materials to the college curriculum committee and review items thoroughly in a timely manner.

RELATED ITEM LEVEL 2

Approval Of Submitted Curriculum Proposals

KPI Description:

At least 90% of curriculum proposals approved by the COS committee will be approved by the University curriculum committee.

Results Description:

All college proposals, with the exception of the request to include two Physics courses as part of the core curriculum, were approved at the University Curriculum Committee.

RELATED ITEM LEVEL 2

College Curriculum Calendar

KPI Description:

The calendar for the college curriculum process will be modified and strictly enforced. Our goal is that all proposals will be submitted by the deadline.

Results Description:

All curriculum items were submitted and processed under the calendar deadlines.

Update to Previous Cycle's Plan for Continuous Improvement

Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

We will continue to attract high quality faculty, through competitive salaries, start-up packages, and recruitment incentives.

We will seek out diverse candidates who will help our college achieve greater diversity in faculty representation relative to our current student population.

We will enhance graduate student support through increase in the number and quantity of stipends and increased scholarship funding.

We will promote increased research through funding of travel, equipment, and supplies for graduate students and faculty.

Update of Progress to the Previous Cycle's PCI:

We will continue to attract high quality faculty, through competitive salaries, start-up packages, and recruitment incentives.

We were able to attract high quality candidates from top schools. Salaries are within national norms for comparative universities. We increased start up packages for some disciplines to match other areas and were able to provide relocation assistance for new faculty.

We will seek out diverse candidates who will help our college achieve greater diversity in faculty representation relative to our current student population.

We hired a Latino male assistant professor, a native american female assistant professor, and several international faculty from different countries that increased diversity.

We will enhance graduate student support through increase in the number and quantity of stipends and increased scholarship funding.

We agreed on a new formula funding for FY18 that will increase the number of \$1500 scholarships from 52 to 74 and increase the number of college funded TA positions by 6 from 82 to 88. We also agreed to fund all TA positions at the same amount of \$13,005 (increase for two department).

We will promote increased research through funding of travel, equipment, and supplies for graduate students and faculty.

We funded undergraduate research support, faculty research, and faculty travel through a variety of funding sources.

**New Plan for Continous Improvement**

**Closing Summary:**

COSET will continue to maintain quality of faculty and programs, increase support for graduate student fellowships and scholarships, promote research, and showcase COSET through outreach.

Faculty searches will be made with the goal of hiring highly qualified faculty who combine excellence in teaching with strong research programs. We will seek to increase diversity of the faculty to better reflect the student body.

Academic programs eligible for accreditation will be identified. We will seek to maintain accreditation and certification of existing programs and identify additional programs for accreditation.

Graduate students will be supported through increased college funding for fellowships (both in terms of yearly fiscal support and number of fellowships) as well as increased amounts and numbers of scholarships. Additional fudning for summer support will also be examined if funding is available.

Faculty and student research will be encouraged through use of indirect fund allocations to promote research collaborations and pilot studies.

Outreach to highlight COSET activities will be accomplished through the use of College and University web and print media.

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