

Reasonable and Moderate Extension (RME)

PROPOSED ADDITION/ABOLITION, RE-ALLOCATION, OR RE-ESTABLISHMENT OF AN EDUCATIONAL UNIT, CURRICULUM, OR DEGREE IN THE COLLEGE OF ENGINEERING

I. Program inventory

This RME is to rename the College of Engineering as the College of Science, Technology, Transportation, Engineering and Math. In a separate RME, units in the College of Science are administratively transferred to the College of Engineering (Departments of Computer Science, Chemistry and Biochemistry, Mathematics, and Physics). In a separate RME, units in the College of Applied Sciences and Arts are administratively transferred to the College of Engineering (Departments Aviation Management and Flight, Aviation Technologies and Automotive Technology). With the addition of these new programs, the college is more complex. The proposed name change reflects the new structure.

A. Current listing of approved programs (College of Engineering only)

CIP code	Major/Minor	Degree	Unit
14.0801	Civil Engineering	BS	Civil and Environmental
14.0901	Computer Engineering	BS	Electrical and Computer Engineering
14.1001	Electrical Engineering	BS	Electrical and Computer Engineering
14.1901	Mechanical Engineering	BS	Mech Engr and Energy Processes
14.2101	Mining Engineering	BS	Mining and Mineral Resources Engineering
14.0501	Biomedical Engineering	ME	College of Engineering
14.0501	Biomedical Engineering	MS	College of Engineering
14.0899	Civil & Environmental Engineering	ME	Civil and Environmental
14.0801	Civil Engineering	MS	Civil and Environmental
14.1001	Electrical & Computer Engineering	MS	Electrical and Computer Engineering
14.1901	Mechanical Engineering	MS	Mech Engr and Energy Processes
14.2101	Mining Engineering	MS	Mining and Mineral Resources Engineering
14.1001	Electrical & Computer Engineering	PHD	Electrical and Computer Engineering
14.0101	Engineering Science	PHD	College of Engineering
15.0303	Electronic Engineering Technology	BS	Technology
15.0612	Industrial Management & Applied Technology	BS	Technology
15.0613	Quality Engineering and Management	MS	Technology
	STEM Leadership	Minor	

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B. Proposed listing based on separate RMEs

CIP code	Major/Minor	Degree	Unit
49.0102	Aviation Flight	AAS	Aviation Management and Flight
15.0803	Automotive Technology	BS	Automotive Technology
49.0104	Aviation Management	BS	Aviation Management and Flight
47.0609	Aviation Technologies	BS	Aviation Technologies
	Airport Management and Planning	Minor	
	Aircraft Product Support	Minor	
	Air Traffic Control	Minor	
40.0501	Chemistry	BA	Chemistry and Biochemistry
40.0501	Chemistry	BS	Chemistry and Biochemistry
27.0101	Mathematics	BA	Chemistry and Biochemistry
13.1311	Mathematics	BS	Mathematics
27.0101	Mathematics	BS	Mathematics
40.0801	Physics	BS	Physics
40.0501	Chemistry	MS	Chemistry and Biochemistry
27.0101	Mathematics	MA	Mathematics
27.0101	Mathematics	MS	Mathematics
40.0801	Physics	MS	Physics
40.0801	Applied Physics	PHD	Physics
40.0501	Chemistry	PHD	Chemistry and Biochemistry
27.0101	Mathematics	PHD	Mathematics
	Chemistry	Minor	
	Physics	Minor	
	Mathematics	Minor	
14.0801	Civil Engineering	BS	Civil and Environmental
14.0901	Computer Engineering	BS	Electrical and Computer Engineering
14.1001	Electrical Engineering	BS	Electrical and Computer Engineering
14.1901	Mechanical Engineering	BS	Mech Engr and Energy Processes
14.2101	Mining Engineering	BS	Mining and Mineral Resources Engineering
14.0501	Biomedical Engineering	ME	College of Engineering
14.0501	Biomedical Engineering	MS	College of Engineering
14.0899	Civil & Environmental Engineering	ME	Civil and Environmental
14.0801	Civil Engineering	MS	Civil and Environmental
14.1001	Electrical & Computer Engineering	MS	Electrical and Computer Engineering

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14.1901	Mechanical Engineering	MS	Mech Engr and Energy Processes
14.2101	Mining Engineering	MS	Mining and Mineral Resources Engineering
14.1001	Electrical & Computer Engineering	PHD	Electrical and Computer Engineering
14.0101	Engineering Science	PHD	College of Engineering
15.0303	Electronic Engineering Technology	BS	Technology
15.0612	Industrial Management & Applied Technology	BS	Technology
15.0613	Quality Engineering and Management	MS	Technology
	STEM Leadership	Minor	
11.0701	Computer Science	BA	Computer Science
11.0701	Computer Science	BS	Computer Science
11.0701	Computer Science	MS	Computer Science
11.0701	Computer Science	PHD	Computer Science
	Computer Science	Minor	

II. Reason for proposed action

This action is in response to the Financial Sustainability Plan approved by the SIU Board of Trustees in July 2017. In this plan, the reduction/merger of the College of Science was proposed through the transferring of units in the College of Science into the Colleges of Agricultural Sciences and Engineering. In a separate RME under review, academic units from the College of Science are administratively transferred to these colleges. The academic units proposed for administrative transfer into the College of Engineering are the Departments of Computer Science, Physics, Mathematics, and Chemistry and Biochemistry.

In a separate RME under review, the name of the College of Applied Arts and Sciences is changing to the College of Health Services and Human Science. Because of this shift in focus and the proposed renaming, the Departments of Aviation Management and Flight, Aviation Technologies and Automotive Technology are not well-aligned with the renamed College of Health Services and Human Sciences. This independent RME for the name change includes administratively transferring these units to the College of Engineering.

With these new units, the College of Engineering has a more complex inventory of academic units. The proposed name change reflects this.

III. Program delivery mode

Same as current delivery mode.

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IV. Anticipated budgetary effects

There will be costs associated with the marketing of the renamed college (although it should be noted that marketing costs for the existing college would already be budgeted, so we anticipate these costs will be minimal) as well as managing the increased size of the college. This will be partially off-set by the reduction of the administrative costs associate with the College of Science Dean's office. Opportunities for future strategic curricular changes and efficiencies are also possible. Budget lines, state and local accounts, and foundation accounts will move with the transferred academic units.

V. Arrangements to be made for (a) affected faculty, staff and students; and (b) affected equipment and physical facilities

There is no change in faculty, staff, students, equipment or physical facilities. Please see separate RMEs regarding administrative transfer of academic units into the College of Engineering.

VI. Will other educational units, curricula, or degrees be affected by this action?

The plan has no direct effect on other educational units, or on the existing curriculum degree programs. In general, the renaming and administrative transfer of units should build on the existing collaboration between the units, and position the colleges for future innovation in curriculum and research. Academic deans are expected to present this RME to their College, and to solicit and report faculty input.

VII. Assessment of Student Learning Outcomes

This only applies to new programs. All current assessment activities will remain in place.

VIII. Catalog copy to be deleted or added

Will be provided once the approval is completed.

IX. The requested effective date of implementation

July 1, 2018

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X. Approval signatures to submit RME for processing.

Approve Disapprove

Signature, Dean of College of Engineering

Date

Approve Disapprove

Signature, Dean of College of Applied Sciences and Arts

Date

Approve Disapprove

Signature, Dean of College of Science

Date

Submit signed forms to the Associate Provost for Academic Program, Room 15 Anthony Hall, MC 4305. For assistance, please contact apap@siu.edu or call Ruth O'Rourke at 3-7654,