

Approval Chart for Curriculum ChangesA = Approve I = Information Item¹ R = Advise & Respond²

Course Number _____ or Degree Plan(s) Bachelor of Science in Engineering
 State the requested change and reason. A memo may be attached if more space is necessary.

The determination of the need to add MATH 187 to the Math/Science Course selections came after consulting with faculty about the rigor of the course and a way to allow students to obtain their 4 hours if they chose not to take a lab science.

MATH 187 should be added to the list of approved Math/Science Selections

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

				COUNCIL ³						
	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A	I				I	I
2.	Description (not affecting content)	A	A	A	I				I	I
3.	Content (substantive change)	A	A	A	I				A	A
4.	Number of hours (lecture, lab, contact)	A	A	A	A				A	A
5.	Course number within the hundred	A	A	I	I				I	I
6.	Course number beyond the hundred	A	A	A	A				A	A
7.	Prerequisites	A	A	A	I				I	I
8.	Course fee(s)	A	--	A	--				A	I
9.	From U to G <i>or</i> G to U	A	A	A	A				A	A
10.	Cross list with another department: U or G level	A	A	A	A				A	A
11.	Department of record	A	A	A	A				A	A
12.	Open or close a course	A	A	A	A				A	A
13.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	A

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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		COUNCIL ³										
	Change to a Degree Plan	Dept./School	College Academic	Deans	TEC	UGEC	UAC	GRAD	Provost	Faculty	President	Board of Trustees
1.	University Requirements — Change in approved course content ⁶	A	A	A	A				A	--	A	--
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A	A				A	A	A	--
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	--	--	A				A	--	A	--
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A	A				A	A	A	--
5.	Major — Revision of major ^{4,5}	A	A	A	A				A	--	A	--
6.	Major — Adopt or change admission requirements	A	A	A	A				A	--	A	--
7.	Major — Add ^{4,5}	A	A	A	A				A	A	A	I
8.	Major – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
9.	Major – Discontinue (proposed by the Provost)	See below.										
10.	GPA — Revise major or cumulative requirement	A	A	A	A				A	A	A	--
11.	Minor — Revise course selection	A	A	A	I				I	--	I	--
12.	Minor — Add	A	A	A	A				A	--	A	--
13.	Minor – Discontinue (proposed by the department or college)	A	A	A	A				A	--	A	--
14.	Minor – Discontinue (proposed by the Provost)	See below.										
15.	Degree — Add	A	A	A	A				A	A	A	I
16.	Degree – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
17.	Degree – Discontinue (proposed by the Provost)	See below.										
18.	Any change to a graduate degree program	A	A	A	A				A	--	A	--

COUNCIL ³										
	Provost-Proposed Change	Provost	Department	Dean	TEC	UAC	Graduate	Faculty	President	Board of Trustees
1.	Major/Graduate Program – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I
2.	Minor – Discontinue (proposed by the Provost)	A	R	R	A			--	A	--
3.	Degree – Discontinue (proposed by the Provost)	A	R	R	A			A	A	I

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COUNCIL ³										
	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--		A		A	A	A
2.	Admission requirements	--	--	--		A		A	A	A
3.	Policies governing academic probation and suspension	--	--	--		A		A	A	A
4.	Requirements for graduating with honors	--	--	--		A		A	A	A
5.	Other academic policy changes	--	--	--		A		A	--	A

¹ Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

² The Dean and Department should respond to the Provost's recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

⁶ Courses that satisfy ACU's University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and "not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession" (SACS 2.7.3). Departments may request exceptions to the first three criteria.

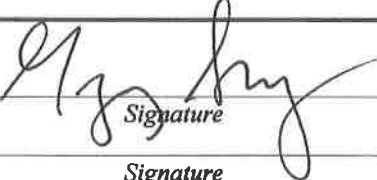
⁷ The UUAC approved the clarification that "general requirements for graduation" means the enumerated items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 1-29-16

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	2/20/17 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	3.3.17 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	3/7/17 Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date

ENGINEERING (BSE)

UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 39).	
MAJOR REQUIREMENTS	
Chemistry	
CHEM 133/131 General Chemistry I with Lab	4
Engineering	
ENGR 115 Introduction to Engineering and Physics	2
ENGR 116 Introduction to Engineering and Physics Lab	1
ENGR 131 Computer Aided Design and Modeling	3
ENGR 135 Introduction to Electric Circuits	3
ENGR 136 Introduction to Electric Circuits Lab	1
ENGR 220 Engineering Mechanics: Statics	3
ENGR 222 Engineering Mechanics: Dynamics	3
ENGR 281 Thermodynamics I	3
ENGR 305 Environmental and Health Safety	2
ENGR 306 Engineering Ethics	1
ENGR 333 Fluid Mechanics	3
ENGR 342 Measurement Techniques	3
ENGR 343 Measurement Techniques Lab	1
ENGR 350 Engineering Economics	(3) ¹
ENGR 390 Junior Clinic	3
ENGR 430 Senior Clinic I (capstone course)	3
ENGR 432 Senior Clinic II (capstone & writing-intensive course)	3
ENGR 481 Thermodynamics	3
Engineering Electives	
Selected in consultation with advisor	14
Mathematics	
MATH 185 Calculus I	(3) ¹
MATH 186 Calculus II	3
MATH 286 Calculus III	3
MATH 361 Ordinary Differential Equations	3
Math/Science Selections	
Choose 4 hours from the following	4
MATH 187, 325, 341, 377, 463; BIOL 112 or above (excluding 203);	
CHEM 114 or above (excluding 203); PHYS above 331 (excluding 335/336, 342/343, 379, 388, and 401)	
Philosophy	
PHIL 379 Philosophy, Religion, and Science	(3) ¹
Physics	
PHYS 220 Engineering Physics I	(3) ¹
PHYS 221 Engineering Physics I Lab	1
PHYS 222 Engineering Physics II	(3) ¹
PHYS 223 Engineering Physics II Lab	1
PHYS 330 Modern Physics	(3) ¹
PHYS 331 Modern Physics Laboratory	1
TOTAL	72
¹ Hours (in parenthesis) may also fulfill university requirements and are not included in total major hours	
ELECTIVES	
Minimum	0
TOTAL MAJOR HOURS	72
OTHER GRADUATION REQUIREMENTS	
Minimum grade for PHYS or ENGR	C
Minimum GPA for graduation	2.00
Minimum advanced hours	33
Minimum total hours	128
<i>Courses numbered 0** do not count in minimum hours required for degree.</i>	