

Approval Chart for Curriculum Changes

A = Approve I= Information Item¹ R= Advise & Respond²

Course Number _____ or Degree Plan(s) BS-BCH-BCHC

State the requested change and reason. A memo may be attached if more space is necessary.

Add choice of MATH 286 Calculus III or Advanced Chemistry (3 hrs). American Chemical Society guidelines specify two semesters of calculus and strongly encourage multivariable calculus (ACU's Calculus III). ACS also strongly supports a research experience for ACS-certified degree plans. This change gives students the option to take MATH 286 Calculus III, CHEM 393 Introduction to Research, or other advanced chemistry electives.

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

Change to a Course		COUNCIL ³								
		Dept./School	College Academic	Deans	TEC	UGEC	UAC	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.	Course term(s)	A	I	A		I			I	I
4.	Content (substantive change)	A	A	A		I			A	A
5.	Number of hours (lecture, lab, contact)	A	A	A		A			A	A
6.	Course number within the hundred	A	A	I		I			I	I
7.	Course number beyond the hundred	A	A	A		A			A	A
8.	Prerequisites	A	A	A		I			I	I
9.	Course fee(s)	A	--	A		--			A	I
10.	From U to G or G to U	A	A	A		A			A	A
11.	Cross list with another department: U or G level	A	A	A		A			A	A
12.	Department of record	A	A	A		A			A	A
13.	Open or close a course	A	A	A		A			A	A
14.	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	UUAC	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	UUAC	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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COUNCIL³

	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.

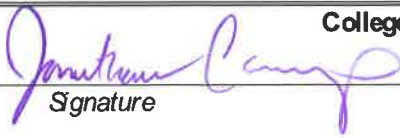
⁶ Courses that satisfy ACU’s University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and “not narrowly focus on those skills, techniques, and procedures specific to a particular occupation 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 3-8-17

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	May 3, 2019 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	9-6-19 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	9/16/19 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

Biochemistry, ACS, BS (BCH-BCHC)

BS: Biochemistry Degree Plan (BCH)

University Requirements

Please see the [University Requirements](#) section of this catalog.

Major Requirements

Chemistry

[CHEM 133 - General Chemistry I](#) Credit Hours: 3 *

[CHEM 131 - General Chemistry Laboratory I](#) Credit Hours: 1

[CHEM 132 - General Chemistry Laboratory II](#) Credit Hours: 1

[CHEM 134 - General Chemistry II](#) Credit Hours: 3

[CHEM 221 - Organic Chemistry Laboratory I](#) Credit Hours: 1

[CHEM 223 - Organic Chemistry I](#) Credit Hours: 3

[CHEM 322 - Organic Chemistry Laboratory II](#) Credit Hours: 1

[CHEM 324 - Organic Chemistry II](#) Credit Hours: 3

[CHEM 423 - Chemistry and Biochemistry Seminar](#) Credit Hours: 3 (capstone and writing-intensive course)

[CHEM 453 - Biochemistry I: Foundations of Biochemistry](#) Credit Hours: 3

[CHEM 454 - Biochemistry II: Gene Expression](#) Credit Hours: 3

[CHEM 456 - Biochemistry III: Metabolism](#) Credit Hours: 2

[CHEM 463 - Biochemistry Laboratory I](#) Credit Hours: 1

*Hours may also fulfill university requirements and are not included in total major hours

Biology

[BIOL 112 - General Biology I](#) Credit Hours: 3 *

[BIOL 114 - General Biology I Laboratory](#) Credit Hours: 1

[BIOL 113 - General Biology II](#) Credit Hours: 3

[BIOL 115 - General Biology II Laboratory](#) Credit Hours: 1

[BIOL 312 - Cell Biology](#) Credit Hours: 3

*Hours may also fulfill university requirements and are not included in total major hours

Total: 33 Credit Hours

Supplement for Major

ACS Track (BCHC)

- CHEM 333 - Physical Chemistry I Credit Hours: 4
- CHEM 334 - Physical Chemistry II Credit Hours: 4
- CHEM 355 - Analytical Chemistry I Credit Hours: 4
- CHEM 356 - Analytical Chemistry II Credit Hours: 4
- CHEM 443 - Inorganic Chemistry Credit Hours: 3
- MATH 185 - Calculus I Credit Hours: 3 *
- MATH 186 - Calculus II Credit Hours: 3
- MATH 286 - Calculus III Credit Hours: 3
- or
- CHEM 393 - Introduction to Research Credit Hours: 3
- or
- Advanced Chemistry Elective Credit Hours: 3
- PHYS 220 - Engineering Physics I Credit Hours: 3
- PHYS 221 - Engineering Physics I Laboratory Credit Hours: 1
- PHYS 222 - Engineering Physics II Credit Hours: 3
- PHYS 223 - Engineering Physics II Laboratory Credit Hours: 1

*Hours may also fulfill university requirements and are not included in total major hours

Total: 33 Credit Hours

Electives

Minimum - 6 Credit Hours

Total Major Hours: 72

Other Graduation Requirements

Minimum GPA for graduation: 2.00

Minimum advanced hours: 33

Minimum total hours: 128

*Courses numbered 0** do not count in minimum hours required for degree.*