

Approval Chart for Curriculum Changes

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

Course Number _____ or Degree Plan(s) BS MATH

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

See attached.

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

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

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							President	Faculty	Provost	GRAD	UUAC	UGEC	TEC	Deans	College Academic	Dept./School	Change to a Degree Plan
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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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.

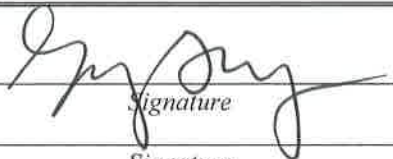
⁷ The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 3-8-17

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	10/01/2018 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	11-2-2018 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	11/7/18 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

BS in Mathematics

We propose adding MATH 463 (Partial Differential Equations) to the list of courses that form a two-semester sequence. In addition, we request changing MATH 463 to a spring, even-year course.

Rationale

Majors who are seeking a BS in mathematics must take a two-semester sequence to have an in-depth experience in an area of mathematics. The current options to fulfill this two-semester sequence are the following:

- MATH 351 and MATH 453 (Abstract Algebra I and II)
- MATH 377 and MATH 478 (Statistical Methods I and Mathematical Statistics)
- MATH 381 and MATH 483 (Analysis I and II)

In recent years, the department has reduced the frequency of offerings of upper level courses so that many are offered only once every two years. By adding MATH 463 as an option, this will give students at least two choices every year.

Sequence	Course 1	Semester Offered	Course 2	Semester Offered
Algebra	MATH 351	Fall, even	MATH 453	Spring, odd
Statistics	MATH 377	Fall	MATH 478	Spring, odd
Analysis	MATH 381	Fall, odd	MATH 483	Spring, even
Differential Equations	MATH 361	Fall	MATH 463	Spring, even

Mathematics, BS (MATH)

Major Requirements

Mathematics

[MATH 185 - Calculus I](#) Credit Hours: 3 *

[MATH 186 - Calculus II](#) Credit Hours: 3

[MATH 187 - Calculus Computer Laboratory](#) Credit Hours: 1

[MATH 227 - Discrete Mathematics](#) Credit Hours: 3

[MATH 286 - Calculus III](#) Credit Hours: 3

[MATH 325 - Linear Algebra](#) Credit Hours: 3

[MATH 351 - Abstract Algebra I](#) Credit Hours: 3

[MATH 377 - Statistical Methods I](#) Credit Hours: 3

[MATH 381 - Analysis I](#) Credit Hours: 3

[MATH 397 - Mathematics Seminar](#) Credit Hours: 2

[MATH 497 - Mathematics Capstone](#) Credit Hours: 2 (capstone and writing-intensive course)

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

Choose 1 course from the following:

[MATH 453 - Abstract Algebra II](#) Credit Hours: 3

[MATH 463 - Partial Differential Equations](#) Credit Hours: 3

[MATH 478 - Mathematical Statistics](#) Credit Hours: 3

[MATH 483 - Analysis II](#) Credit Hours: 3

Advanced Mathematics Selections

Advanced mathematics selections (excluding [MATH 309](#), [MATH 311](#), [MATH 410](#), and [MATH 412](#)) Credit Hours: 9

Total: 38 Credit Hours

Supplement for Major

Computer Science

[CS 120 - Programming I](#) Credit Hours: 3

[CS 341 - Numerical Methods](#) Credit Hours: 3

Supplemental Menu

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

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

or

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

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

[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

Choose 2 courses from the following:

[ACCT 210 - Financial Accounting](#) Credit Hours: 3

[ACCT 211 - Managerial Accounting](#) Credit Hours: 3

[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

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

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

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

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

[CS 332 - Design and Analysis of Algorithms](#) Credit Hours: 3

[CS 365 - Theory of Computation](#) Credit Hours: 3

[CS 442 - Numerical Analysis](#) Credit Hours: 3

[PHYS 330 - Modern Physics](#) Credit Hours: 3

[PHYS 331 - Modern Physics Laboratory](#) Credit Hours: 1

Modern foreign language

Total: 18-20 Credit Hours

Electives

Minimum - 14-16 Credit Hours

Total Major Hours: 72

Other Graduation Requirements

Minimum GPA in major requirements: 2.00

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.*