

Approval Chart for Curriculum Changes

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

Course Number _____ or Degree Plan(s) BCHA, BCHC, BCHE, BCHV, HPCO
 State the requested change and reason. A memo may be attached if more space is necessary.

All of these degree changes involve removing one hour of Biochemistry lab and replacing it with a newly proposed 2 hour Biochemistry III Lecture course. To balance the change in hours, 1 hr is removed from electives. We believe that our students going on to professional or graduate school will be better served with an additional lecture course. All of the techniques that were covered in two semesters of Biochemistry lab can be covered in one semester, with less time spent on each topic. Students going to graduate school in biochemistry need to participate in research and will receive additional exposure to laboratory techniques.

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.

Approval Chart for Curriculum Changes

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

				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				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.

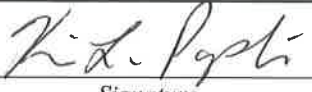
⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

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.

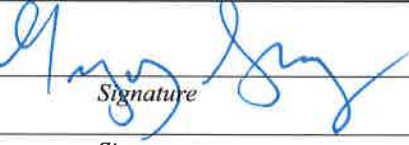
⁷ The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 10-16-13

Curriculum/Catalog Changes Signature Page

 Signature	Department/School Chair(s) 1-12-16 Approval date
_____ Signature	_____ Approval date

 Signature	College Academic Council(s) 2-19-16 Approval date
_____ Signature	_____ Approval date

 Signature	Dean(s) 2/24/16 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

Approval Chart for Curriculum Changes

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

Course Number _____ or Degree Plan(s) BCHS

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

The first change involves removing one hour of Biochemistry lab and replacing it with a newly proposed 2 hour Biochemistry III Lecture course. To balance the change in hours, 1 hr is removed from electives. We believe that our students going on to professional school or graduate school will be better served with an additional lecture course. All of the techniques that were covered in two semesters of Biochemistry lab can be covered in one semester, with less time spent on each topic. Students going to graduate school in biochemistry need to participate in research and will receive additional exposure to laboratory techniques.

In addition to the added course, we would like to give BCHS students more flexibility in their degree program, by removing BIOL 475 as a required course and adding it to Advanced Biology electives. The new degree will allow the students to take 2 Adv Biology and 2 Adv Biology and/or Adv Chemistry electives instead of a required BIOL 475 and 3 Adv Biology electives. This will allow students the flexibility to take requirements for a wide variety of both health profession and graduate programs.

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
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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
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13.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A	A				A	A

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3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	A	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.										
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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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3.	Policies governing academic probation and suspension	--	--	--	A			A	A	A
4.	Requirements for graduating with honors	--	--	--	A			A	A	A
		--	--	--						
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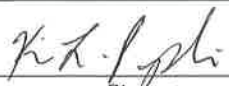
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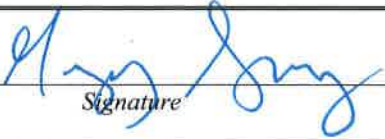
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Revised 10-16-13

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	<u>1-12-15</u> Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	<u>2-19-16</u> Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	<u>2/24/16</u> 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 (BS)

BS: BIOCHEMISTRY DEGREE PLAN (BCH)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 37).	
MAJOR REQUIREMENTS	
Chemistry	
CHEM 133 General Chemistry I	(3) ¹
CHEM 131 General Chemistry I Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course)	3
CHEM 453 Biochemistry I: Fundamentals of Biochemistry	3
CHEM 454 Biochemistry II: Gene Expression	3
CHEM 456 Biochemistry III: Metabolism	3
CHEM 463 Biochemistry Lab I	1
CHEM 464 Biochemistry Lab II	1
Biology	
BIOL 112 General Biology I	(3) ¹
BIOL 114 General Biology I Lab	1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 312 Cell Biology	3
TOTAL	32/33
¹ Hours (in parentheses) may also fulfill university requirements	
SUPPLEMENT FOR MAJOR (TRACKS)	
ACS Track (BCHC)	
CHEM 333 Physical Chemistry I	4
CHEM 334 Physical Chemistry II	4
CHEM 355 Analytical Chemistry I	4
CHEM 356 Analytical Chemistry II	4
CHEM 443 Inorganic Chemistry	3
MATH 185 Calculus I	(3) ¹
MATH 186 Calculus II	3
MATH 286 Calculus III	3
PHYS 220/221 Engineering Physics I Lecture/Lab	4
PHYS 222/223 Engineering Physics II Lecture/Lab	4
TOTAL	33
STANDARD Track (BCHE)	
CHEM 333 Physical Chemistry I	4
CHEM 334 Physical Chemistry II	4
CHEM 355 Analytical Chemistry I <i>or</i> CHEM 356 Analytical Chemistry II	4
CHEM 443 Inorganic Chemistry	3
MATH 124 Precalculus II	(3) ¹
MATH 185 Calculus I	3
MATH 186 Calculus II	3

Comment [ALS1]: Name Change for
Biochemistry I and II

Comment [ALS2]: New Biochemistry III course

Comment [ALS3]: Remove Biochemistry II Lab

Comment [ALS4]: Totally Major Requirements
in common to all Biochemistry B.S. degrees
increased by 1 hour

PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4
TOTAL.....	29
BIOMEDICAL SCIENCE Track (BCHS)	
BIOL 475 Molecular Genetics	4
Choose 9-6 hours from: BIOL 221/223, 222/224, 313, 330, 355/357, 454, 475, 480, 484, 491/493, 492/495, 498	9-6
Choose 6 hours from: BIOL 221/223, 222/224, 313, 330, 355/357, 454, 475, 480, 484, 491/493, 492/495, 498 and CHEM 341, 355, 356, 375, 443, 483	6
CHEM 355 Analytical Chemistry I or CHEM 356 Analytical Chemistry II	4
CHEM 413 Physical Chemistry/Life Sciences	3
MATH 131 Calculus for Application or MATH 185 Calculus I	(3) ¹
MATH 123 or MATH 377 or BIOL 483	3
PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4
TOTAL.....	30
PRE-VET TRACK (BCHV)	
CHEM 355 Analytical Chemistry I or CHEM 356 Analytical Chemistry II	4
CHEM 413 Physical Chemistry/Life Sciences	3
BIOL 351 Genetics	3
BIOL 355/357 Microbiology Lecture/Lab	4
ANSC 336 Animal Nutrition	3
MATH 131 Calculus for Application or MATH 185 Calculus I	(3) ¹
MATH 377 Statistical Methods I	3
PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4
ENGL 326 Business and Professional Writing	3
PSYC 120 Introduction to Psychology	(3) ¹
TOTAL.....	31
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
ELECTIVES	
Minimum (BCHC)	70
Minimum (BCHS)	110
Minimum (BCHS)	102
Minimum (BCHV)	98
TOTAL MAJOR HOURS	72
OTHER GRADUATION REQUIREMENTS	
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>	

Comment [ALS5]: Biol 475 moved from a requirement to upper level biology elective.

Comment [ALS6]: Move from 9 hours of Advanced Biology elective to 6 hours advance biology elective

Comment [ALS7]: Add 6 hours of Adv Biology and/or Adv Chemistry Elective

Comment [ALS8]: Reduce all electives by 1 hr to balance the 1 hr increase in major hours.

BIOCHEMISTRY (BA)

BA: BIOCHEMISTRY DEGREE PLAN (BCHA)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 37).	
MAJOR REQUIREMENTS	
Chemistry	
CHEM 133 General Chemistry I	(3) ¹
CHEM 131 General Chemistry I Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
CHEM 355 Analytical Chemistry I or	
CHEM 356 Analytical Chemistry II	4
CHEM 413 Physical Chemistry/Life Sciences	3
CHEM 423 Chemistry and Biochemistry Seminar	
(capstone and writing-intensive course)	3
CHEM 453 Biochemistry I: Fundamentals of Biochemistry	3
CHEM 454 Biochemistry II: Gene Expression	3
CHEM 456 Biochemistry II: Metabolism	2
CHEM 463 Biochemistry Lab I	1
CHEM 464 Biochemistry Lab II	1
Biology	
BIOL 112 General Biology I	(3) ¹
BIOL 114 General Biology I Lab	1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 312 Cell Biology	3
TOTAL	39/40
¹ Hours (in parentheses) may also fulfill university requirements	
SUPPLEMENT FOR MAJOR	
English	
Sophomore (or higher) Literature	3
Foreign Language	
(requirement waived)	0
Mathematics	
MATH 131 Calculus for Application	(3) ¹
Physics	
PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4
TOTAL	11
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
ELECTIVES	
Minimum	22/21
TOTAL MAJOR HOURS	72
OTHER GRADUATION REQUIREMENTS	
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>	

Comment [ALS9]: Name change to Biochemistry I and II

Comment [ALS10]: Remove biochemistry Lab II

Comment [ALS11]: Increase in major hours

Comment [ALS12]: Decrease elective hours by 1

**BS: HEALTH PROFESSIONS COOPERATIVE DEGREE PLAN
(HPCO) - BIOLOGY AND BIOCHEMISTRY TRACKS**

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).
HPCO degree plans only require 12 hours of Bible and 53 hours of university core.

**CHOOSE ONE OF THE FOLLOWING TRACKS:
BIOLOGY OR BIOCHEMISTRY**

**MAJOR AND SUPPLEMENT REQUIREMENTS –
BIOCHEMISTRY TRACK (BCHP)**

Chemistry

CHEM 133 General Chemistry I	(3) ¹
CHEM 131 General Chemistry I Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
CHEM 355 Analytical Chemistry I <i>or</i> CHEM 356 Analytical Chemistry II	4
CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course)	3
CHEM 453/463 Biochemistry I Lecture/Lab	4
CHEM 454/464 Biochemistry II Lecture/Lab	4
CHEM 453 Biochemistry I: Fundamentals of Biochemistry	3
CHEM 454 Biochemistry II: Gene Expression	3
CHEM 456 Biochemistry III: Metabolism	2
CHEM 463 Biochemistry Lab I	1

Biology

BIOL 112 General Biology I	(3) ¹
BIOL 114 General Biology I Lab	1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 312 Cell Biology	3
BIOL 300-499	3

Mathematics

MATH 131 Calculus for Application	(3) ¹
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Physics

PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4

TOTAL 47/48

¹Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

Comment [ALS13]: Relist Biochemistry I, II, and Biochemistry Lab I. Remove Biochemistry Lab II and Biochemistry III

Comment [ALS14]: Increase major hours by 1

ELECTIVES

General electives (may include deficiency). Courses in psychology, sociology, economics, and government are recommended. Pre-veterinary students should take courses in animal science and nutrition and 6 hours of political science.

Minimum (Biology Track)	4
Minimum (Biochemistry Track)	4 ³

Comment [ALS15]: Decrease electives by 1.

TOTAL MAJOR HOURS (Biology Track) 50

TOTAL MAJOR HOURS (Biochemistry track) 50

PROFESSIONAL SCHOOL REQUIREMENT

ACU awards the bachelor's degree to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. Students in the cooperative degree program are advised by the advisors for health professions and an advisor in the Department of Biology or the Department of Chemistry and Biochemistry.

**BS: HEALTH PROFESSIONS COOPERATIVE DEGREE PLAN
(HPCO) - BIOLOGY AND BIOCHEMISTRY TRACKS**

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).
HPCO degree plans only require 12 hours of Bible and 53 hours of
university core.

**CHOOSE ONE OF THE FOLLOWING TRACKS:
BIOLOGY OR BIOCHEMISTRY**

**MAJOR AND SUPPLEMENT REQUIREMENTS – BIOLOGY
TRACK (BIOL)**

Biology

BIOL 112/114 General Biology I/Lab	(3) ¹ 1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 221/223 Animal Biology Lecture/Lab <i>or</i> BIOL 222/224 Plant Biology Lecture/Lab	4
BIOL 312 Cell Biology	3
BIOL 497 Seminar in Biology (capstone and writing-intensive course)	3
BIOL 300-499	8

OTHER GRADUATION REQUIREMENTS

Minimum GPA in major	2.00
Minimum GPA for graduation	2.00
Minimum total hours (Biology Track)	104
Minimum total hours (Biochemistry Track).....	104