



CATALOG YEAR 2013-2014

COLLEGE/SCHOOL/SECTION: COAS Biology & Chemistry

Course: Add: X Delete: X

(check all that apply) Change: Number Title SCH Description Prerequisite

Response Required: New course will be part of major minor as a required or elective course

Response Required: New course will introduce , reinforce , or apply concepts

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: Add: Change: Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Program Learning Outcomes: Add: Change: Attach listing of program learning outcomes.

Minor: Add: Delete: Change: Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.

College Introductory Pages: Add information: Change information: Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Other: Add information: Change information: Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Justification: Changes to Bachelor of Science Major in Science with 8-12 Certification to better align coursework with "Crosswalks"

Approvals:	Signature	Date
Chair Department Curriculum Committee	_____	_____
Chair Department	_____	_____
Chair College Curriculum Committee	_____	_____

B.S. with a Major in Science with 7th – 12th Grade Certification

Fall	Spring
Freshman Year 3 ENGL 1301 English Composition I 3 HIST 1301 The U.S. to 1877 4 BIOL 1406 Principles of Biology I 4 CHEM 1411 General Chemistry I 3 PSCI 2305 American National Gov't 17	Freshman Year 3 ENGL 1302 English Composition II 4 CHEM 1412 General Chemistry II 4 MATH 2412 Pre-Calculus 1 EDCI 1102 Intro to Teaching Profession 4 Biology Elective ¹ 16
Sophomore Year 1 Activity/Wellness 3 HIST 1302 The U.S. Since 1877 3 PHYS 1301 General Physics I 1 PHYS 1101 General Physics Lab 2 EDCI 2210 Foundations of Education 3 PSYC 2314 Life Span Growth & Develop. 4 CHEM 2423 Organic Chemistry I 17	Sophomore Year 3 PHYS 1302 General Physics II 1 PHYS 1102 General Physics Lab II 3 PSCI 2306 American State Government 3 Visual / Performing Arts 3 MATH 1342 Introductory Statistics 3 EDCI 3324 Teaching in Diverse Schools ² 2 3224 16 15
Junior Year 3 GEOL 1303 Physical Geology 1 GEOL 1103 Physical Geology Lab 4 BIOL 3413 Genetics 3 ENGL 23xx Survey of Literature 3 EDCI 3301 Assessment of Instructional Design 3 EDCI 3302 Teaching English Lang. Learners 17	Junior Year 3 ENGL 2311 Technical Writing 4 BIOL 3412 Cell Biology 3 EDRD 3320 Content Reading 4 BIOL 3410 Ecology 1 Elective 15
Senior Year 4 BIOL 3406 Evolution 3 EDCI 3315 Effective Instruction for Diverse Pop 3 EDCI 4310 Engaging Learners 3 Science Elective ³ 14	Senior Year 3 EDSE 4350 Inclusive Practices for Exceptional Children 6 EDCI 4693 Student Teaching ⁴ 9

120 Hours

¹ Select from BIOL 1411, 1413 & 2421.

² Students must apply for admission to the College of Education while enrolled in EDCI 3324. Entrance into additional education courses depends on acceptance into the college. Because COED requires completion of the core curriculum as an admission requirement, the sequence of courses in the old degree plan had to be changed significantly.

³ Select any 3000 or 4000 level course form BIOL, CHEM or GEOL.

⁴ Students are admitted into student teaching only after passing the certification exam to teach secondary Science.

From: Lindberg, Kevin D

Sent: Tuesday, March 19, 2013 1:59 PM

To: University Curriculum Committee; Mandal, Hari D; Mendez, Monica O; Goonatilake, Hoonandara R; Khosraviyani, Firooz; Foran, Nicole P; Gechter, Friedrich C; Dean, John E; Martinez-Samos, Jose A; Paroo, Alia; Manganaro, Lynne L; Menaldo, Mark A; Lozano, Jose C.; Cieslicka, Anna B

Cc: Mott, Daniel J; Vaughan, Thomas C

Subject: COAS 148-150

Hello all,

I am forwarding these to UCC in anticipation of approval. There are some issues:

#149 – spring soph. year, course should be EDCI 3224, and a one-hour elective needs to be inserted somewhere; we also do not have “degree requirements” section; I have full confidence that Drs Mott and Vaughan will address these.

#150 – As one has to go to the catalog to compare what’s actually changed here, I’ll try to save you some digging by pointing out that the important bit is the addition of “or” in regard to some of the prereqs.

Thanks; please get your votes in as quickly as possible.

K

Kevin D. Lindberg, PhD

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