

**EXECUTIVE COMMITTEE  
COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES**

**REPORT TO THE RIVERSIDE DIVISION  
MAY 29, 2018**

To be adopted:

Proposed Changes to Chemistry Undergraduate Program  
Sample Program

**PRESENT:**

**Sample Program**

Student programs are planned on an individual basis with their advisors, and there is considerable flexibility in the sequence in which courses required for the major are taken. For example, PHYS 040A, PHYS 040B, PHYS 040C can be started equally well during either the freshman or sophomore year. The sample program is typical for a well-prepared entering freshman who seeks the B.S. degree.

**PROPOSED:**

**Sample Program**

No Change

Freshman Year	Fall	Winter	Spring
CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC (or CHEM 01HA and CHEM 1HLA, CHEM 01HB and CHEM 1HLB, CHEM 01HC and CHEM 1HLC)	4,1	4,1	4,1
PHYS 040A, PHYS 040B		5	5
MATH 009A, MATH 009B, MATH 009C	4	4	4
ENGL 001A, ENGL 001B, ENGL 001C	4	4	4
Elective (optional)	4		
Total Units	17	18	18

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No Change

Sophomore Year	Fall	Winter	Spring
CHEM 008A, CHEM 008B, CHEM 008C CHEM 008LA, CHEM 008LB, CHEM 008LC	4	4	4
PHYS 040C	5		
MATH 010A, MATH 010B, MATH 046	4	4	4
CHEM 005		5	
Elective (optional)		4	8
Total Units	13	17	16

Junior Year	Fall	Winter	Spring
CHEM 110A, CHEM 110B, CHEM 113	4	4	4
Biological Science w/ Lab			4
CHEM 150A, CHEM 150B		4	4
<del>CHEM 125</del>	5		
CHEM 143		3	
CHEM 191			1
Electives	4	4	8
Total Units	13	15	17

Senior Year	Fall	Winter	Spring
CHEM 111, CHEM 140		4	4
CHEM 166			4
Electives	12	8	4
Total Units	12	12	12

Sophomore Year	Fall	Winter	Spring
CHEM 008A, CHEM 008B, CHEM 008C CHEM 008LA, CHEM 008LB, CHEM 008LC	4	4	4
PHYS 040C	5		
MATH 010A, MATH 010B, <u>MATH 031</u> , MATH 046	4	4	4
CHEM 005		5	
Elective (optional)		4	8
Total Units	13	17	16

Junior Year	Fall	Winter	Spring
CHEM 110A, CHEM 110B, CHEM 113	4	4	4
Biological Science w/ Lab			4
CHEM 150A, CHEM 150B		4	4
<u>CHEM 125W</u>	5		
CHEM 143		3	
CHEM 191			1
Electives	4	4	8
Total Units	13	15	17

No Change

**JUSTIFICATION:**

Changing CHEM 125 to CHEM 125W

The CHEM 125 course contained an objective of having the students paraphrase experiments and scientific techniques to better understand the importance and objective of the experiment being performed. By changing the course from CHEM 125 to CHEM 125W, this will allow students to be trained in writing scientific reports or journals while preparing lab reports for this class. Along with that, this will also accomplish the requirement of satisfying the UCR's third -quarter writing requirement.

**APPROVALS:**

Approved by the faculty of the Department of Chemistry:  
Approved by the Executive Committee of the College of Natural and  
Agricultural Sciences:  
Approved by the Committee on Educational Policy:

February 27, 2018

March 20, 2018

May 7, 2018