

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

**REPORT TO RIVERSIDE DIVISION
May 23, 2017**

To be adopted:

Proposed changes to the undergraduate major requirements in Entomology.

PRESENT:

Major Requirements

The major requirements for both the B.A. and the B.S. degrees in Entomology are as follows:

1. Lower-division requirements (59 units)
 - a) BIOL 005A, BIOL 05LA, BIOL 005B, BIOL 005C
 - b) PHYS 002A, PHYS 002B, PHYS 002C, PHYS 02LA, PHYS 02LB, PHYS 02LC
 - c) ~~MATH 009A, MATH 009B~~
 - d) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC, ~~CHEM 12A, CHEM 12B, CHEM 12C~~

2. Upper-division requirements (51 units)
 - a) ENTM 100/BIOL 100, ENTM 107, ENTM 173/BIOL 173, ENTM 180, and 4 units in any combination of ENTM 190, ENTM 197, ENTM 199, or ENTM 199H
 - b) Sixteen (16) additional units of entomology electives, which may include up to 2 additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H
 - c) BCH 100
 - d) BIOL 102
 - e) BIOL 107A
 - f) STAT 100A

BIOL 151 and BIOL 175 are suggested in order to acquire a background in the life sciences appropriate for an Entomology major.

For students intending to specialize at the graduate level in insect toxicology or insect physiology, biochemistry, and molecular biology, it is recommended that the BCH 110A, BCH 110B, and

PROPOSED:

Major Requirements

The major requirements for both the B.A. and the B.S. degrees in Entomology are as follows:

1. Lower-division requirements (59 units)
 - a) BIOL 005A, BIOL 05LA or BIOL 020, BIOL 005B, BIOL 005C
 - b) No Change
 - c) MATH 007A or MATH 009A, MATH 007B or MATH 009B
 - d) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC, CHEM 008A or CHEM 08HA, CHEM 008B or CHEM 08HB, CHEM 008C or CHEM 08HC, CHEM 08LA or CHEM 8HLA, CHEM 08LB or CHEM 8HLB, CHEM 08LC or CHEM 8HLC.

2. No Change
 - a) No Change
 - b) No Change
 - c) No Change
 - d) No Change
 - e) No Change
 - f) No Change

No Change

No Change

CHEM 12A, CHEM 12B, CHEM 12C	4	4	4
PHYS 02A, PHYS 02LA, PHYS 02B, PHYS 02LB, PHYS 02C, PHYS 02LC	4,1	4,1	4,1
Humanities/Social Sciences, STAT 100A	4	4	5
Total Units	17	17	14

<u>CHEM 008A and 08LA, CHEM 008B and 08LB, CHEM 008C and 08LC</u>	4	4	4
PHYS 02A, PHYS 02LA, PHYS 02B, PHYS 02LB, PHYS 02C, PHYS 02LC	4,1	4,1	4,1
Humanities/Social Sciences, STAT 100A	4	4	5
Total Units	17	17	14

Junior Year	Fall	Winter	Spring
BIOL 102	4		
BIOL 107A, ENTM 173/BIOL 173	4		4
ENTM 100/BIOL 100	4		
ENTM 107		4	
Biology/Entomology Electives		7	8
BCH 100, ENTM 19X	4	2	
Humanities/Social Sciences			4
Total Units	16	13	16

Junior Year	Fall	Winter	Spring
BIOL 102	4		
BIOL 107A, ENTM 173/BIOL 173	4		4
ENTM 100/BIOL 100	4		
ENTM 107		4	
Biology/Entomology Electives		7	8
BCH 100, ENTM 19X	4	2	
Humanities/Social Sciences			4
Total Units	16	13	16

Senior Year	Fall	Winter	Spring	Senior Year	Fall	Winter	Spring
ENTM 180, ENTM 19X	2		2	ENTM 180, ENTM 19X	2		2
Biology/Entomology Electives	8	8	8	Biology/Entomology Electives	8	8	8
Humanities/Social Sciences, ENGL 001C	4	4	4	Humanities/Social Sciences, ENGL 001C	4	4	4
Total Units	14	12	14	Total Units	14	12	14

Justification:

Beginning 17F per Biology Department, credit is not awarded for BIOL 05LA if it has already been awarded for BIOL 020 and vice versa. Therefore wherever BIOL 05LA appears as a requirement, the “or BIOL 020” statement should appear as well.

The Department of Chemistry has moved forward to separate Organic Chemistry courses into two unit bearing courses (LEC and LAB) per the Undergraduate Studies Committee's recommendation for 2017 FALL.

Per the Exec Committee: A motion to approve unanimously with the revision to add a math statement that includes MATH 007A or MATH 009A, MATH 007B or MATH 009B instead of just MATH 009A, MATH 009B.

Approvals:

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

November 14, 2016

January 10, 2017

May 3, 2017