

**EXECUTIVE COMMITTEE  
COLLEGE OF NATURAL AND AGRICULTURAL SCIENCES  
REPORT TO RIVERSIDE DIVISION  
MAY 26, 2020**

To be adopted:

Proposed changes to the undergraduate program B.S. in Mathematics for Secondary School Teachers

**PRESENT:**

**Major Requirements for the Bachelor of Science in Mathematics for Secondary School Teachers**

1. Lower-division Mathematics requirements (24 units) MATH 007A or MATH 009A or ~~MATH009HA~~, MATH 007B or MATH 009B or ~~MATH009HB~~, MATH 009C, MATH 010A, MATH 010B, MATH 031, MATH 046
2. Upper-division Mathematics requirements (36 units)
  - a) MATH 131, MATH 133, MATH 140, MATH 144, MATH 153
  - b) MATH 150A or MATH 151A
  - c) Three courses from: MATH 132, MATH 136, MATH 137, MATH 138A, MATH 145A, MATH 145B, MATH 149A, MATH 149B, ~~MATH 149C~~, MATH 150B, MATH 151B, MATH 151C, MATH 171, MATH 172
3. Additional Mathematics and related disciplines requirements (12 units)
  - a) ~~CS 010~~
  - b) CS 011/MATH 011
  - c) STAT 155
4. Natural Sciences (16-20 units)
  - a) BIOL 002 or BIOL 003 or BIOL 005A and BIOL 05LA
  - b) CHEM 001A and CHEM 01LA or ~~CHEM 001HA~~ and CHEM 1HLA
  - c) PHYS 040A
  - d) CHEM 001B and CHEM 01LB or ~~CHEM 001HB~~ and CHEM 1HLB or PHYS 040B or an additional laboratory Biological science course
5. Social Sciences (16 units)
  - a) One course in ECON or POSC
  - b) One course in ANTH

**PROPOSED:**

**Major Requirements for the Bachelor of Science in Mathematics for Secondary School Teachers**

1. Lower-division Mathematics requirements (24 units) MATH 007A or MATH 009A or MATH 09HA, MATH 007B or MATH 009B or MATH 09HB, MATH 009C, MATH 010A, MATH 010B, MATH 031, MATH 046
2. No Change
  - a) No Change
  - b) No Change
  - c) Three courses from: MATH 132, MATH 136, MATH 137, MATH 138A, MATH 145A, MATH 145B, MATH 149A, MATH 149B, MATH 150B, MATH 151B, MATH 151C, MATH 171, MATH 172
3. No Change
  - a) CS 010A
  - b) No Change
  - c) No Change
4. No Change
  - a) No Change
  - b) CHEM 001A and CHEM 01LA or CHEM 01HA and CHEM 1HLA
  - c) No Change
  - d) CHEM 001B and CHEM 01LB or CHEM 01HB and CHEM 1HLB or PHYS 040B or an additional laboratory Biological science course
5. No Change
  - a) No Change
  - b) No Change

- c) One course in PSYC
- d) One course in SOC

- c) No Change
- d) No Change

6. Mathematics Education and Education requirements (18 or 19 units): EDUC 003 or EDUC 004 or EDUC 100B or equivalent, EDUC 104, ~~EDUC 109/EDUC 109S, EDUC 110, EDUC 139~~

6. Mathematics Education and Education requirements (18 or 19 units): EDUC 003 or EDUC 004 or EDUC 100B or equivalent, EDUC 104, EDUC 147, EDUC 162, EDUC 139.

7. Recommended Courses LING 020 or LING 021, ~~EDUC 116, EDUC 174, EDUC 175/ EDUC 175S~~

7. Recommended Courses LING 020 or LING 021, EDUC 132, EDUC 178, EDUC 179A.

**Justification:**

CS 010, 012, and 014 are currently being renumbered as CS 010A, CS 010B, and CS 010C, respectively. MATH 149C discontinued. EDUC 109S, 110, 116, 174 and 175S renumbered, respectively, to EDUC 147, EDUC 162, EDUC 132, EDUC 178 and EDUC 179A

**Approvals:**

Approved by the faculty of the Department of Mathematics:

January 15, 2020

Approved by the Executive Committee of the College of Natural and Agricultural Sciences:

February 18, 2020

Approved by the Committee on Educational Policy:

April 15, 2020