Middle Level Science Teaching (Dual), B.A.

The Middle-Level Science Teaching (Dual) major requires a minimum of 133-136 total hours to graduate.

Freshman

Fall:
- BIOL 2051 (840:051) General Biology: Organismal Diversity 4
- CHEM 1110 (860:044) General Chemistry I 4
- ENGLISH 1005 (620:005) College Writing and Research 3
- Quantitative Techniques and Understanding 3-4 Hours 14-15

Spring:
- BIOL 2052 (840:052) General Biology: Cell Structure and Function 4
- CHEM 1120 (860:048) General Chemistry II 4
- COMM 1000 (48C:001) Oral Communication 3
- Liberal Arts Core 6 Hours 17

Sophomore

Fall:
- PHYSICS 1511 (880:054) General Physics I 4
- EARTHSCI 1200 (870:021) Elements of Weather 3
- EARTHSCI 1210 (870:022) Elements of Weather Laboratory 1
- TEACHING 2017 Level 1 Field Experience: Exploring Teaching 1
- EDPSYCH 2030 (200:030) Dynamics of Human Development 3
- Humanities 3 Hours 15

Spring:
- PHYSICS 1512 (880:056) General Physics II 4
- TEACHING 3128 Level 2 Field Experience: Teacher as a Change Agent 1
- EDPSYCH 3148 (200:148) Learning and Motivation in Classroom Contexts 3
- MEASRES 3510 (250:150) Classroom Assessment 2
- Humanities 3
- Liberal Arts Core 3 Hours 16

Junior

Fall:
- SCI ED 3200 (820:196) Current Technologies in Science Teaching 2
- SCI ED 3300/5300 (820:190g) Orientation to Science Teaching 3
- LITED 4117/5117 (230:117g) Methods of Teaching Content Literacy at the Middle and Secondary Levels 3
- LITED 4155/5155 (230:155g) English Language Structures and Usage for K-8 Educators 1
- EDPSYCH 4152/5152 (200:152g) Development of the Middle School Aged Child 3

Spring:
- BIOL 4193/5193 (840:193g) Methods for Teaching Life Science 3
- EARTHSCI 1300 (870:031) Introduction to Geology 4
- ELEMECML 4152/5152 (210:150g) Middle Level Curriculum 2
- SPED 3150 (220:150) Meeting the Needs of Diverse Learners in Classrooms 2
- Liberal Arts Core 6 Hours 17

Senior

Fall:
- EDPSYCH 4151/5151 (200:151g) Approaches to Classroom Management for Secondary Students 3
- TEACHING 4170/5170 (280:170g) Human Relations: Awareness and Application 3
- SOCFOUND 3119 (260:119) Schools and American Society 3
- Liberal Arts Core 6 Hours 15

Spring:
- TEACHING 3138 (280:138) Secondary School Teaching 12 Hours 12

Total Hours 123-124

This major requires students to complete the requirements for an endorsement in a second Middle School Subject (5-8) that may include: 1821-Middle School Language Arts, 1822-Middle School Mathematics, or 1824-Middle School Social Studies (5-8). Required courses for these endorsements include the following with many of the required courses counting toward Liberal Arts Core requirements*:

1821-Middle School Language Arts (5-8)
- ENGLISH 1005 College Writing and Research (620:005) 3
- COMM 1000 Oral Communication (48C:001) 3
- ENGLISH 2520 Multicultural Literature (620:040) 3
- ENGLISH 4940/5940 Literature for Young Adults (620:165g) 3

1822-Middle School Mathematics (5-8)
- MATH 1140 Precalculus (800:046) 4
- Additional 8 hours that may include:
  - MATH 1420 Calculus I (800:060) 3
### Middle Level Science Teaching (Dual), B.A.

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<td>STAT 1772</td>
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### 1824-Middle School Social Studies (5-8)

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