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

The Middle-Level Science Teaching (Dual) major requires a minimum of 131-134 total hours to graduate.

**Course Title** | **Hour**
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**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
LAC 1C - 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
LAC 2A - Humanities | 3
**Hours** | 15
**Spring** |  
EDPSYCH 3148 (200:148) | Learning and Motivation in Classroom Contexts | 3
MEASRES 3150 (250:150) | Classroom Assessment | 2
PHYSICS 1512 (880:056) | General Physics II | 4
TEACHING 3128 | Level 2 Field Experience: Teacher as a Change Agent | 1
TEACHING 3129 | Secondary and Special-Area Classroom Management | 1
LAC 2A - Humanities | 3
**Hours** | 14
**Junior** |  
**Fall** |  
EDPSYCH 4152/5152 (200:152g) | Development of the Middle School Aged Child | 3
ELEMECML 4135/5135 (210:135g) | Middle Level Instruction, Differentiation, and Assessment | 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
**Liberal Arts Core** | 3
LAC 6 - Capstone Experience | 2
**Hours** | 15
**Spring** |  
EARTHSCI 1300 (870:031) | Introduction to Geology | 4
ELEMECML 4152/5152 (210:150g) | Middle Level Curriculum | 2
SCI ED 3300/5300 (820:190g) | Orientation to Science Teaching | 4
SPED 3150 (220:150) | Meeting the Needs of Diverse Learners in Classrooms | 2
**Liberal Arts Core** | 3
**Hours** | 15
**Senior** |  
**Fall** |  
SCI ED 4800/5800 | Methods of Teaching Secondary Science or MTSS | 3
SOCFOUND 3119 (260:119) | Schools and American Society | 3
TEACHING 4170/5170 (280:170g) | Human Relations: Awareness and Application | 3
**Liberal Arts Core** | 6
**Hours** | 15
**Spring** |  
TEACHING 3138 (280:138) | Secondary School Teaching | 12
**Total Hours** | 117-118

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 (620:005) | College Writing and Research | 3
- COMM 1000 (48C:001) | Oral Communication | 3
- ENGLISH 2520 (620:040) | Multicultural Literature | 3
- ENGLISH 4940/5940 (620:165g) | Literature for Young Adults | 3

**1822-Middle School Mathematics (5-8)**
- MATH 1140 (800:046) | Precalculus | 4
- an additional 8 hours that may include:
  - MATH 1420 (800:060) | Calculus I * | 4
  - MATH 1421 (800:061) | Calculus II | 4

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<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>STAT 1772</td>
<td>Introduction to Statistical Methods</td>
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<td>(800:072)</td>
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1824-Middle School Social Studies (5-8)

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<tr>
<td>HUM 1021 (680:021)</td>
<td>Humanities I: The Ancient, Classical, and Medieval Worlds</td>
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<tr>
<td>GEOG 1120 (970:010)</td>
<td>Human Geography</td>
<td>3</td>
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<td>HIST 1023</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>POL AMER 1014 (942:014)</td>
<td>Introduction to American Politics</td>
<td>3</td>
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