Major in Middle Level Teaching and Learning (B.S.Ed.)

The Bachelor of Science in Education (B.S. Ed.) degree in Middle Level Teaching and Learning is an interdisciplinary program designed to prepare future practitioners with the content knowledge and pedagogical approaches necessary to serve the needs of young adolescent learners in specific disciplines for teacher licensure in middle level education. As a condition for obtaining a middle level teaching license (grades 5-8) in Illinois, candidates prepare for teaching in one major content area endorsement: English Language Arts, Mathematics, Science, or Social Sciences. In addition, the program has been designed so that candidates will earn endorsement in an additional area.

All students seeking admission to teacher education are required to have an overall minimum NIU GPA of 2.50 and successful completion of the Illinois Licensure Testing System (ILTS) Test of Academic Proficiency (TAP), or equivalent recognized by the Illinois State Board of Education. Additionally, students must obtain a grade C or better in all foundational studies general education courses; EPS 300, EPS 382, and EPS 419. These requirements must be met prior to enrollment in MLTL 302, Introductory Clinical Experience in Middle Level Curriculum and Instruction.

Special Requirements
Transfer students with an A.A. or A.S. degree must fulfill all general education requirements set forth by the entering catalog in order to meet educator licensure requirements.

Middle level education students must successfully complete all professional course work with a grade of C or better, or S, to continue to enroll in any of the professional courses.

Retention
Retention in the middle level education program is contingent upon maintaining a NIU cumulative GPA of 2.50 or higher, having a grade of C or better in all professional education courses, and successful completion of all clinical experiences. All course requirements (in the major content area option and minor content area option) require a grade C or better.

Students who successfully complete the program will have completed all required ISBE and CAEP standards for educator licensure.
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Professional Education Requirements (49)

ENGL 404 - Theory and Research in Written Composition for English Language Arts (3)
EPFE 201 - Education as an Agent for Change (3)
EPS 300 - Educational Psychology (3)
EPS 382 - Educational Participation in Clinical Experiences: Middle Level Education (1)
EPS 419 - The Middle School Child (3)
EPS 450 - Classroom Management (2)
ETRA 422 - Technology and Assessment for Secondary Education (4)
LTIC 420 - Methods and Materials for Teaching English Language Learners in the Content Areas (3)
LTRE 311 - Content Area Literacy Instruction (3)
MLTL 302 - Introductory Clinical Experience in Middle Level Curriculum and Instruction (1)
MLTL 303 - Clinical Experience in Middle Level Curriculum and Instruction (1)
MLTL 304 - Middle Level Curriculum and Instruction: Field Experience (1)
MLTL 485 - Student Teaching (11)
MLTL 461 - Seminar in Middle Level Student Teaching (1)
SESE 457 - Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)
TLCI 422 - Middle School Organization and Instruction (3)

One of the following in the major content area (3)

BIOS 402X - Interdisciplinary Teaching of Science in Secondary Education (3)
LTLA 350 - Language Arts in the Middle School (3)
MATH 404 - Methods of Instruction in the Mathematics Curriculum for Middle School I (3)
MLTL 432 - Methods and Materials of Instruction for Middle School Social Science (3)

Requirements for Endorsement in One of the Following Major Content Areas:

Major Content Area Option: English Language Arts (33)

ENGL 200 - Literary Study: Research and Criticism (3)
ENGL 207 - Fundamentals of English Grammar (3)
ENGL 300 - Advanced Essay Composition (3)
ENGL 310 - Literary Classics (3)
ENGL Elective: ENGL 315 OR ENGL 407 - Shakespeare (3)
ENGL 322 - Language in American Society (3)

One of the following in American Literature (3)

ENGL 330 - American Literature to 1830 (3)
ENGL 331 - American Literature: 1830-1860 (3)
ENGL 332 - American Literature: 1860-1920 (3)
ENGL 333 - American Literature: 1920-1960 (3)
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 479</td>
<td>Theory and Research in Literature for English Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 480</td>
<td>Materials and Methods for Teaching English Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>LTLA 363</td>
<td>Young Adult Literature in a Multicultural Society</td>
<td>3</td>
</tr>
<tr>
<td>LTRE 305</td>
<td>Teaching Reading in the Middle Schools</td>
<td>3</td>
</tr>
<tr>
<td>One of the following in American Literature</td>
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<tr>
<td>ENGL 330</td>
<td>American Literature to 1830</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 331</td>
<td>American Literature: 1830-1860</td>
<td>3</td>
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<tr>
<td>ENGL 332</td>
<td>American Literature: 1860-1920</td>
<td>3</td>
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<tr>
<td>ENGL 333</td>
<td>American Literature: 1920-1960</td>
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</table>

**Major Content Area Option: Mathematics (29-31)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 155</td>
<td>Trigonometry and Elementary Functions</td>
<td>3</td>
</tr>
<tr>
<td>MATH 229</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 302</td>
<td>Introduction to Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 303</td>
<td>Introduction to Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 410</td>
<td>Methods of Instruction in the Mathematics Curriculum for Middle School</td>
<td>3</td>
</tr>
<tr>
<td>MATH 416</td>
<td>Topics in Mathematics for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>Two of the following:</td>
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</tr>
<tr>
<td>MATH 210</td>
<td>Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 232</td>
<td>Calculus III</td>
<td>4</td>
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<tr>
<td>MATH 304</td>
<td>History of Mathematics through the 17th Century</td>
<td>3</td>
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<tr>
<td>MATH 336</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 360</td>
<td>Model Building in Applied Mathematics</td>
<td>3</td>
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</table>

**Major Content Area Option: Science (33)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOS 208</td>
<td>Fundamentals of Cellular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOS 209</td>
<td>Fundamentals of Organismal Biology</td>
<td>3</td>
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<tr>
<td>BIOS 210</td>
<td>Fundamentals of Organismal Biology Laboratory</td>
<td>1</td>
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<tr>
<td>BIOS 403</td>
<td>Methods in Teaching Biology</td>
<td>3</td>
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<tr>
<td>CHEM 210</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>General Chemistry Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>General Chemistry Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 120</td>
<td>Introductory Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 121</td>
<td>Introductory Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEOL 475</td>
<td>Science across Time and Culture</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 210</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 211</td>
<td>General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Major Content Area Option: Social Science (34)**
ECON 425 - Economic Education (3),
   OR ECON 160 - Contemporary Economic Issues (3)
GEOG 101 - Survey of Physical Geography (3)
GEOG 102 - Survey of Physical Geography (1)
GEOG 202 - World Regional Geography (3)
HIST 170 - World History I: Problems in the Human Past (3)
HIST 171 - World History II: Problems in the Human Past (3)
HIST 260 - American History to 1865 (3)
HIST 261 - American History since 1865 (3)
HIST 359 - History of Illinois (3)
HIST 496 - History and Social Science Instruction for Secondary Educators (3)
POLS 100 - American Government and Politics (3)
POLS 150 - Democracy in America (3)

Requirements for Endorsement in One of the Following Minor Content Areas:

Minor Content Area Option: English Language Arts (24)
ENGL 200 - Literary Study: Research and Criticism (3)
ENGL 207 - Fundamentals of English Grammar (3)
ENGL 300 - Advanced Essay Composition (3)
One of the following (3)
   ENGL 315 OR ENGL 407 - Shakespeare (3)
   ENGL 413 - The Romantic Period (3)
   ENGL 414 - The Victorian Age (3)
   ENGL 470 - The English Novel to 1900 (3)
ENGL 322 - Language in American Society (3)
ENGL 480 - Materials and Methods of Teaching English Language Arts (3)
LTLA 363 - Young Adult Literature in a Multicultural Society (3)
LTRE 305 - Teaching Reading in the Middle Schools (3)
One of the following (3)
   ENGL 315 OR ENGL 407 - Shakespeare (3)
   ENGL 413 - The Romantic Period (3)
   ENGL 414 - The Victorian Age (3)
   ENGL 470 - The English Novel to 1900 (3)

Minor Content Area Option: Mathematics (26)
MATH 155 - Trigonometry and Elementary Functions (3)
MATH 229 - Calculus I (4)
MATH 302 - Introduction to Geometry (3)
MATH 303 - Introduction to Number Theory (3)
MATH 404 - Methods of Instruction in the Mathematics Curriculum for the Middle School I (3)
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MATH 410 - Methods of Instruction in the Mathematics Curriculum for the Middle School (3)
MATH 416 - Topics in Mathematics for Teachers (3)
STAT 301 - Elementary Statistics (4)

Minor Content Area Option: Science (24)
BIOS 208 - Fundamentals of Cellular Biology (3) AND BIOS 210 - Fundamentals of Cellular Biology Laboratory (1)
BIOS 209 - Fundamentals of Organismal Biology (3) AND BIOS 211 - Fundamentals of Organismal Biology Laboratory (1)
BIOS 402X/CHEM 493X/GEOL 483/PHYS 493X - Interdisciplinary Teaching of Science in Secondary Education (3)
BIOS 484X/CHEM 490X/GEOL 475/PHYS 490X - Science across Time and Culture (2)
CHEM 210 - General Chemistry I (3) AND CHEM 212 - General Chemistry Laboratory I (1)
GEOL 120 - Introductory Geology (3) AND GEOL 121 - Introductory Geology Laboratory (1)
PHYS 150A - Physics (3), OR PHYS 210 – General Physics I (3)

Minor Content Area Option: Social Science (25)
GEOG 101 - Survey of Physical Geography (3)
GEOG 102 - Survey of Physical Geography Laboratory (1)
GEOG 202 - World Regional Geography (3)
HIST 170 - World History I: Problems in the Human Past (3)
HIST 171 - World History II: Problems in the Human Past (3)
HIST 260 - American History to 1865 (3)
HIST 261 - American History since 1865 (3)
HIST 496 - History and Social Science Instruction for Secondary Educators (3)
POLS 100 - American Government and Politics (3)

Minor Content Area Option: Family and Consumer Science (26)
FCNS 152 - Fiber and Fabric Analysis I (3), OR FCNS 258 - Introduction to the Fashion Industry (3)
FCNS 200A - Principles of Food Preparation (3) and current State of Illinois Sanitation Certificate
FCNS 200B - Food Preparation Laboratory (2)
FCNS 201 - Human Nutrition (3), OR FCNS 405 - Child Health and Nutrition (3)
FCNS 207 - The Consumer (3)
FCNS 230 - Child Development (3), OR FCNS 280 - Human Development, the Family, and Society (3)
FCNS 240 - Teaching and Learning in Family and Consumer Sciences Education (3)
FCNS 284 – Introduction to Family Relationships (3)
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FCNS 450 - Workshop in Family, Consumer, and Nutrition Sciences (3)

Minor Content Area Option: Health Education (24)
- PHHE 206 - Contemporary Health Concepts (3)
- PHHE 220 - Introduction to Health Education (3)
- PHHE 300 - Health Education in the Middle and High School (3)
- PHHE 400 - Methods and Materials in School Health Education (3)
- PHHE 402 - Community Health Programs and Issues (3)
- PHHE 404 - Drug Education (3)
- PHHE 406 - Sexuality Education (3)
- PHHE 408 - Mental and Emotional Health (3)

All other licensure content areas are K-12 and will specify 24-26 credit hours (including a methods class) for a minor content area option.

Additional Endorsement Option: Bilingual/ESL (18)
- LTIC 301 - Teaching with a Multicultural Perspective (3)
- LTIC 400 - Introduction to Teaching English Language Learners (3)
- LTIC 420 - Methods and Materials for Teaching English Language Learners in the Content Areas (3)
- LTIC 435 - Teaching English Language Learners in Bilingual Programs: Methods and Materials (3)
- LTIC 445 - Applied Linguistics for Teachers of English Language Learners (3)
- LTIC 447 - Assessment of English Language Learners (3)

Total hours for a Major in Middle Level Teaching and Learning: 102-109