Middle Grades Education

Language Arts and Mathematics

http://generaleducation.appstate.edu

**FIRST YEAR SEMINAR (3 s.h. required)**
- UCO 1200 or HON 1515 or WGC 1103

**WRITING ACROSS THE CURRICULUM (6 s.h. required)**
- ENG 1000 or FL 1000 or WGC 1103
- ENG 2001

**MAJOR REQUIREMENTS**
- Junior writing in the discipline *
- Senior capstone experience *

**(These hours count in the major requirements, not in the 44 hours of General Education requirements.)

**DESIGNATIONS in Perspectives (3 s.h. of each required)**
- Fine Arts (FA), Historical Studies (HS), Literary Studies (LS)

**PERSPECTIVES**: Choose one theme (underlined) from each of the following three Perspectives. Complete at least 6 semester hours in each of the themes and 9 semester hours in one of the themes (21 total s.h. required). Within the three Perspectives, you must have 3 s.h. in each of the three Designations: Fine Arts (FA), Historical Studies (HS), Literary Studies (LS)

<table>
<thead>
<tr>
<th>Perspective</th>
<th>Minimum 6 s.h.</th>
<th>Additional 3 s.h.</th>
<th>Required Designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>AESTHETIC PERSPECTIVE</td>
<td>6-9 s.h.</td>
<td>Additional 3 s.h.</td>
<td>FA, HS, LS</td>
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<tr>
<td>HISTORICAL AND SOCIAL PERSPECTIVE</td>
<td>6-9 s.h.</td>
<td>Additional 3 s.h.</td>
<td>FA, HS, LS</td>
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<tr>
<td>LOCAL TO GLOBAL PERSPECTIVE</td>
<td>6-9 s.h.</td>
<td>Additional 3 s.h.</td>
<td>FA, HS, LS</td>
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**STEM/SCIENCE**

- The SCIENCE INQUIRY PERSPECTIVE requires 8 semester hours from one theme (underlined). Courses in themes marked with an * must be taken sequentially. Check the course descriptions for any pre and co-requisites. Italicized courses appear in multiple themes; however, courses may only be applied to one theme.

- **Note**: MAT 1110 Calculus with Analytic Geometry will also count toward the middle grades mathematics concentration.

**SCIENCE INQUIRY PERSPECTIVE (8 s.h. from a chosen theme)**
- Biology and Society: BIO 1101, BIO 1102
- The Blue Planet: GGY 1105, GGY 1106
- Chemistry Connections to Our Changing World: CHE 1101, CHE 1110
- Contemporary Science: GSP 1010, GSP 1020, GSP 1030, GSP 1040
- Global Environmental Change: BIO 1103, GY 1011, GY 1012, GY 1104
- How Things Work: PHY 1101, PHY 1102
- Life, Earth and Evolution: ANT 1415, BIO 1102, GY 1102
- The Physics of Our Technological World: PHY 1013, PHY 1104
- Physics of Self Expression: PHY 1101, PHY 1810, PHY 1812, PHY 1814
- Physics with Calculus: PHY 1150, PHY 1151
- Restless Planet: Earth, Environment and Evolution: GLY 1101, GLY 1102, GLY 1103
- Voyages Through the Cosmos: AST 1001, AST 1002

**MATHEMATICS**

- MAT 1010, MAT 1030, STT 2810
- MAT 1020, MAT 1110, STT 3820
- MAT 1025, STT 2820

**WELLNESS LITERACY (2 s.h. required)**
- PE 1700-1877, PE 1530-1545
- HP 1105, HED 1000, DAN 1400, DAN 1410, DAN 1420, DAN 2400, DAN 2420, DAN 3280, DAN 3480, DAN 3580, MSL 1101
- NUT 2202, PE 3008, DAN 4460, PE 1718, PE 1768, PE 1769

APPALACHIAN STATE UNIVERSITY GENERAL EDUCATION 2011-2012 (44 Semester Hours)

http://generaleducation.appstate.edu

**Language Arts and Mathematics**

http://generaleducation.appstate.edu
Bachelor of Science – B.S. (or B.M.)

I. General Education Requirements 44 S.H.

II. Professional Education Requirements All courses must be completed with "C" (2.0) or better. 24 S.H.

- CI 2300 _________Teaching and Learning in the Digital Age (2)  
  Entry course to teacher education. Required prior to admission to teacher education.
- FDN 2400 _________Critical Perspectives on Teaching and Learning (2)  
  Required prior to admission to teacher education. Prerequisite or Co-requisite: CI 2300.
- PSY 3010 _________Psychology Applied to Teaching (3)  
  May be taken prior to or after admission to teacher education. Prerequisite or Co-requisite: CI 2300.
- SPE 3300 _________Creating Inclusive Learning Communities (3)  
  Admission to teacher education required. Prerequisites: CI 2300, FDN 2400, PSY 3010.
- CI 3400 _________Policies and Practices in Educational Assessment (2)  
  Admission to teacher education required. Prerequisites: CI 2300, FDN 2400, PSY 3010.
- CI 4900 _________Student Teaching (12) (Graded on S/U basis)  
  All courses in professional education core must be completed with grades of C (2.0) or better prior to student teaching, along with other courses (including methods and reading) identified within the major to be completed prior to student teaching and/or requiring C (2.0) or better.

Praxis Exam
- PRAXIS I: Academic Skill Assessments
- *PPST/CBT Reading ___  
- *PPST/CBT Writing ___  
- *PPST/CBT Mathematics ___

III. Major Requirements: 50-57 S. H.

- A. Middle Grades Academic Concentrations: Select two: Language Arts, Mathematics, Science, Social Science. See attached listing of courses and meet with advisor.

<table>
<thead>
<tr>
<th>CONCENTRATION 1</th>
<th>CONCENTRATION 2</th>
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- B. The following courses must be taken using the cohort model. Please note that all cohort internships and student teaching can be done only in schools that have been identified by ASU as professional development schools. (See following page for additional information).

Block I (Second Semester Junior year. Please note that this block is offered only during the spring term.)

- ** #+ CI 3900 Middle Grades Internship (3)
- ** #+ CI 3910 Middle Level Education (3)
- ** #+ CI 3920 Teaching Young Adolescents (3)

Courses from academic concentrations

Block II (First Semester Senior Year. Please note that this block is offered only in the fall term.)

- ** #+ CI 4490 Middle Grades Curriculum, Instruction, and Assessment (4)
- ** #+ RE 4630 Reading in the Content Area (2)
- ** #+ CI/RE 4300 Literacy, Language, and Culture in the Middle Grades (3)

Select two, depending on concentrations:

- ** #+ CI 3060 Social Studies in the Middle Grades (3)
- ** #+ CI 4040 Mathematics in the Middle Grades (3)
- ** #+ RE 3150 Language Arts in the Middle Grades (3)
- ** #+ GS 4403 Teaching Science in the Middle and High Schools (3)

#Cannot be taken before being admitted to Teacher Education  
*Should be taken before junior year (Pre requisite to enter Teacher Education)  
+Must have "C" (2.0) or higher for COE  
**Must be taken before student teaching  
$Must have "B" (3.0) or higher for Middle Grades

- C. Second Academic Concentration Second academic concentration requirements are met upon successful completion of middle grades content concentrations.
- D. CI 4450 is to be taken during the student teaching semester.

IV. Electives 3-10 S. H.

TOTAL 128 S. H.
Cohort Planning Information

Courses in the blocks cannot be taken before being accepted into the Reich College of Education and all courses in blocks must be successfully passed with a grade of at least a “C” before student teaching.

<table>
<thead>
<tr>
<th>Block One (Offered in spring term only)</th>
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<tbody>
<tr>
<td>CI 3900  Middle Grades Internship (3)</td>
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<tr>
<td>CI 3910  Middle Level Education (3)</td>
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<td>CI 3920  Teaching Young Adolescents (3)</td>
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Courses from academic concentrations

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<th>Block Two (Offered in fall term only)</th>
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<td>CI 4490 Middle Grades Curriculum, Instruction, and Assessment (4)</td>
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<td>RE 4630  Reading in the Content Area (2)</td>
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Select two, depending on concentrations:

| CI 3060  Social Studies in the Middle Grades (3) |
| CI 4040  Mathematics in the Middle Grades (3)   |
| RE 3150  Language Arts in the Middle Grades (3) |
| GS 4403  Teaching Science in the Middle and High Schools (3) |

<table>
<thead>
<tr>
<th>Block Three (Spring semester of senior year)</th>
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<tbody>
<tr>
<td>CI 4450  Portfolio/Exhibition (1)</td>
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<tr>
<td>CI 4900  Student Teaching (12)</td>
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Goals and Objectives

Middle Grades Education (6-9)
Bachelor of Science

Middle Grades Majors:

- Are knowledgeable about young adolescents and aware of the educational implications of that knowledge.
- Are knowledgeable in two subject areas.
- Have specialized skills and knowledge regarding appropriate teaching strategies for middle grades students.
- Have a clear, working knowledge of the concept of developmentally responsive models of middle level schooling.
Language Arts Concentration (24)

ENG 2001 Sophomore Writing (3)
ENG 2030 World Literature (3), Local to Global: Origins and Migrations
-OR-
ENG 2040 World Literature (3), Local to Global: Empire, Colonialism, Globalization
ENG 2350 Studies in American Literature (3)—Historical & Social, This American Life
ENG 4560 Adolescent Literature (3)
ENG 3580 Teaching Composition: Theory, Practice and Pedagogy (3)
ENG 3300 Applied Grammar (3)
RE 3070 Media for Young People (3) (Spring Only)
RE 3150 Language Arts in the Middle Grades (3) (Block Two, Fall Only)

Mathematics Concentration (24)

MAT 1110 Calculus with Analytic Geometry, Quantitative Literacy (4)
MAT 3910 Introduction to the Logic and Structure of Mathematics I (4)
MAT 3920 Introduction to the Logic and Structure of Mathematics II (4)
CI 4040 Mathematics in the Middle Grades (3) (Block Two, Fall only)

Select at least one of the following courses:

STT 2810 Introduction to Data Analysis and Statistical Inference (3)
MAT 4930 Basic Concepts of Probability and Statistics (3)

Select at least one of the following courses:

MAT 3610 Introduction to Geometry (MAT 1120 and MAT 2110 prerequisites) (3)
MAT 4910 Informal Geometry (3)

Additional courses may be selected from the following list. Courses not listed may be taken with permission from your advisor.

MAT 1120 Calculus with Analytic Geometry II (4)
MAT 2240 Introduction to Linear Algebra (3)
MAT 3010 History of Mathematics (2)
MAT 3110 Introduction to Modern Algebra (3)*

*Prerequisites are MAT 2240 and one of the following: MAT 2110 or MAT 2510