

**BACHELOR OF SCIENCE (BS) IN MIDDLE GRADES EDUCATION WITH
CONCENTRATIONS IN MATHEMATICS AND SOCIAL STUDIES**

Major Codes: 470 C, E (Teaching)
2012-2013

Department of Curriculum and Instruction
Reich College of Education

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I. General Education Requirements

44 SH

SPECIAL NOTE: Middle Grades Education majors should refer to page 3 of this Program of Study for important information for recommended General Education courses that can be taken and count in the major. Courses identified for Middle Grades Education majors on page 3 also meet the requirements for General Education. Students should contact their advisor or the Middle Grades Coordinator (identified above) for questions relating to General Education recommendations and requirements.

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

24 SH

- C I 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 Exams:

PRAXIS I Academic Skill Assessments: *CBT Reading _____ *CBT Writing _____ *PPST/CBT Mathematics _____
PRAXIS II: Subject/Assessment Exam(s) _____

III. Major Requirements:

67 SH
(-13 Gen Ed)

- A. Middle Grades Academic Concentrations: Select two: attached listing of courses and meet with advisor.

MATHEMATICS CONCENTRATION

SOCIAL STUDIES CONCENTRATION

- 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)
- ** #+ CI 3060 Social Studies in the Middle Grades (3)
- ** #+ CI 4040 Mathematics in the Middle Grades (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

- C. CI 4450 Portfolio/Exhibition (1) is to be taken during the student teaching semester.

IV. Second Academic Concentration Second academic concentration requirements are met upon successful completion of middle grades content concentrations.

V. Electives

6 SH

TOTAL

128 SH

MIDDLE GRADES CONCENTRATIONS

MATHEMATICS CONCENTRATION (24 SH)

- MAT 1110 Calculus with Analytic Geometry I (4) **(Gen Ed: Quantitative Literacy)** (Prerequisite: MAT 1025, with a grade of "C-" or higher, or equivalent)
- MAT 3910 Introduction to the Logic and Structure of Mathematics I (4) (Prerequisite: junior or senior standing or permission of the instructor)
- MAT 3920 Introduction to the Logic and Structure of Mathematics II (4) (Prerequisite: MAT 3910 or permission of instructor)
- CI 4040 Mathematics in the Middle Grades (3) **(Block Two, Fall only)**(Prerequisite: senior standing in mathematics or permission of the instructor)

Select at least one of the following courses:

- STT 2810 Introduction to Data Analysis and Statistical Inference (3) (Prerequisite: MAT 1010 or equivalent)
- MAT 4930 Basic Concepts of Probability and Statistics (3)

Select at least one of the following courses:

- MAT 3610 Introduction to Geometry (3) (Prerequisites: MAT 1120 and MAT 2110)
- MAT 4910 Informal Geometry (3) (Prerequisite: MAT 3910 or MAT 3920 or permission of the instructor)

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) (Prerequisite: MAT 1110 (with a grade of "C-" or higher)
- MAT 2240 Introduction to Linear Algebra (3) (Prerequisite: MAT 1120 or permission of the instructor)
- MAT 3010 History of Mathematics (2)
- MAT 3110 Introduction to Modern Algebra (3)(Prerequisites: MAT 2110 and MAT 2240 or permission of instructor and ENG 2001 or its equivalent
- MAT 3520 Instructional Assistance (1)

SOCIAL STUDIES CONCENTRATION (24 SH)

- HIS 1200 American History (3) **(Gen Ed: Historical and Social -- This American Life)**
- PS 1100 American National Gov. & Politics (3) **(Gen Ed: Historical and Social --This American Life)**
- CI 3060 Social Studies in the Middle Grades (3) **(Block Two, Fall Only)**
- GHY 1020 World Regional Geography (3) **(Gen Ed: Local to Global – Global Resources)**
- HIS 3728 History of North Carolina (3)
- African, and/or Asian and/or Latin American History (6)
- European or world history (approval of advisor required) (3)

MIDDLE GRADES EDUCATION: MATHEMATICS AND SOCIAL STUDIES

SPECIAL NOTE: Middle Grades Education majors should follow this General Education Checksheet adapted by Middle Grades faculty with some designated courses for students taking Mathematics and Social Studies concentrations (see courses required for concentrations on page 2 of this Program of Study). Up to 13 SH can be double-counted for the major as identified on page 2. Students should contact their advisor or the Middle Grades Coordinator (identified on page 1) for questions relating to General Education recommendations and requirements.

FIRST YEAR SEMINAR (required)

___ UCO 1200 or HON 1515 or WGC 1103 (3 s.h.)
or ___ UCO MET* (0 s.h.)

*applies to students who transfer at least 30 s.h. AND are at least one year out of high school. Students using this option will have 41 s.h. of General Education.

WRITING ACROSS THE CURRICULUM (6 s.h. required)

___ ENG 1000 or LLC 1000 or WGC 1103
___ ENG 2001 or WGC 2001

MAJOR REQUIREMENTS

___ Junior Writing in the Discipline**
___ Senior Capstone Experience **

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

QUANTITATIVE LITERACY (4 s.h. required)

___ MAT 1010 ___ MAT 1030 ___ C S 1445 ___ STT 2810***
___ MAT 1020 ___ MAT 1110 ___ ECO 2100*** ___ STT 3820***
___ MAT 1025 ___ STT 2820 ___ STT 1810***

(***These courses are 3 s.h. courses and do NOT fulfill the Quantitative Literacy requirement on their own. All other courses listed above are 4 s.h. courses and will fulfill the Quantitative Literacy requirement by themselves.)

WELLNESS LITERACY (2 s.h. required)- Choose from the following:

1 s.h. courses: ___ P E 1530-1545, P E 1700-1877
2 s.h. courses: ___ H P 1105 ___ HED 1000 ___ DAN 1400 ___ DAN 1400
___ DAN 1420 ___ DAN 2400 ___ DAN 2410 ___ DAN 2420
___ DAN 3280 ___ DAN 3480 ___ DAN 3580 ___ MSL 1101
3 s.h. courses (additional hour counts as elective): ___ DAN 4460 ___ NUT 2202
___ P E 1718 ___ P E 1768 ___ P E 1769 ___ P E 3008

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) and Literary Studies (LS). *Italicized courses appear in multiple themes; however, courses may only be applied to one theme.*

AESTHETIC PERSPECTIVE (6-9 s.h. from one theme; with the exception of "Creative Expressions of Culture," students must take courses from at least two disciplines in their chosen theme)

- Analyzing Style and Form: ___ DAN 2010 (FA), ___ MUS 2011 (FA), ___ *PHL 2013*, ___ THR 2010 (FA)
- The Body: Expression, Presentation and Representation: ___ DAN 3430 (FA), ___ IDS 2210, ___ THR 3640 (FA)
- Creative Expressions of Culture: ___ WGC 2300-2399, ___ WGC 3300-3399 (Check online course listing for information on specific courses offered each semester.)
- Cultivating Creative Expression: ___ ART 2022 (FA), ___ MUS 2022 (FA), ___ THR 2022 (FA)
- Expressions of Belief: ___ ANT 2300, ___ COM 3315, ___ *REL 2010* (LS), ___ *REL 2020* (LS)
- How We Tell Stories: ___ *ENG 2170*, ___ IDS 3210, ___ LLC 2025 (LS), ___ PHL 1502, ___ *REL 2020* (LS), ___ THR 2005 (FA), ___ THR 2610 (FA)
- Shaping the Human Environment: ___ *COM 3531*, ___ FCS 1000, ___ IND 2012
- Social Change Through the Arts: ___ ART 2019 (FA)/*SOC 1100*, or ___ THR 2017 (FA)/*SOC 1100* (Linked classes (must be taken together) – Check online course listing for details), ___ MUS 2613 (FA)
- Traditions and Innovations: ___ *ART 2130* (FA), ___ ENG 2050 (LS), ___ HIS 1110 (HS), ___ MUS 2611* (HS), ___ MUS 2612* (HS), ___ MUS 3611* (HS), ___ *PHL 2013*
(*These courses are 2 semester hours.)

HISTORICAL AND SOCIAL PERSPECTIVE (6-9 s.h. from one theme; students must take courses from at least two disciplines in their chosen theme)

- This American Life: ___ *ECO 2030*, ___ ENG 2350 (LS), ___ HIS 1200 (HS), ___ IDS 2000, ___ MUS 2014 (FA), ___ P S 1100, ___ P S 3722, ___ S W 2020

LOCAL TO GLOBAL PERSPECTIVE (6-9 s.h. from one theme; with the exception of WGC 1104 in "Investigations Global," students must take courses from at least two disciplines in their chosen theme)

- Democracy and Personal Life: ___ COM 2112, ___ ENG 2130 (LS), ___ P S 1200, ___ SOC 1110, ___ SOC 1530, ___ W S 2600
- Empire, Colonialism, and Globalization: ___ *ANT 1415*, ___ *ART 2130* (FA), ___ *ENG 2040* (LS), ___ *GLS 2000*, ___ HIS 1400 (HS), ___ HIS/MSL 3823 (HS)
- Global Resources: ___ ECO 2620, ___ *GHY 1020*, ___ IDS 3010, ___ NUT 2351, ___ TEC 2601
- Identity, Culture and Media: ___ *ART 2011* (FA), ___ *COM 3531*, ___ *ENG 2170*, ___ *MUS 2018* (FA), ___ MUS 2615* (FA), ___ MUS 2616* (FA), ___ PHL 1503
(*These courses are offered in alternate years.)
- Investigations Global: ___ WGC 1104 (6 s.h.) (This course is available only to Watauga Global Community students.)
- Origins and Migrations: ___ ENG 2030 (LS), ___ FCS 2103, ___ *GLS 2000*, ___ HIS 1600 (HS)
- Performance of Culture: ___ COM 3535, ___ DAN 2020 (FA), ___ DAN 2030 (FA), ___ *ARB/CHN/FRE/GER/JPN/POR/RSN/SNH) 1050*, ___ *(FRE/GER/SNH) 1060***, ___ *MUS 2018* (FA), ___ THR 2020 (FA)
(*FRE/GER/SNH 1060 are 6 semester hours. Only 3 semester hours count in General Education.)
- Regions in Global Context: ___ *ENG 2040* (LS), ___ *(ARB/CHN/FRE/GER/JPN/POR/RSN/SNH) 1050*, ___ *(FRE/GER/SNH) 1060***, ___ *GHY 1020*, ___ HIS 1130 (HS),
[NOTE: ___ HIS 1520(HS), and ___ HIS 1525 (HS) give Honors credit for HIS 1130. Do not take HIS 1130 in addition to either of these.], ___ R M 2140
(*FRE/GER/SNH 1060 are 6 semester hours. Only 3 semester hours count in General Education.)
- Sustainability and Global Change: ___ FCS 2110, ___ GHY 1010, ___ PHL 2015, ___ PHY 1830, ___ SD 2400, ___ TEC 2029

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.*

SCIENCE INQUIRY PERSPECTIVE (8 s.h. from one theme)

- Biology and Society: ___ BIO 1101, ___ *BIO 1102*
- The Blue Planet: ___ *GLY 1104*, ___ GLY 1105
- * Chemistry Connections to Our Changing World: ___ CHE 1101/ CHE 1110, ___ CHE 1102/ CHE 1120
- Global Environmental Change: ___ BIO 1103, ___ GHY 1011, ___ GHY 1012, ___ *GLY 1104*
- * How Things Work: ___ *PHY 1101*, ___ PHY 1102
- Life, Earth and Evolution: ___ ANT 1430, ___ *BIO 1102*, ___ *GLY 1102*
- * The Physics of Our Technological World: ___ PHY 1103, ___ 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