

College of Education

Department of Middle, Secondary, and Mathematics Education

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Program Checklist

Middle Grades Education Bachelor of Science Major
4-Year, Initial Teacher Licensure Program

Bachelor of Science in Middle Grades Education

Courses Required for Teacher Education Admission: Grade of "C" or higher required in each course

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
	EDUC 300 ¹	Foundations of American Education	3		FA/SP/SU
	PSYC 160 ¹	Life Span Human Development	3		FA/SP/SU
	WRTC 103	Critical Reading and Writing	3		FA/SP/SU

Bachelor of Science Coursework: Grades of "B-" or higher required in all courses unless otherwise indicated.

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
	EDUC 300 ¹	Foundations of American Education	3	Required for Teacher Education admission; grade of "C" or higher	FA/SP/SU
	EDUC 310	Teaching in a Diverse Society	3	1,2	FA/SP/SU
	EXED 200	Social Foundations of Exceptionalities	3	1	FA/SP/SU
	LED 312	Reading and Writing Across the Curriculum in the Middle Grades	3	C: MIED 311	FA
	MIED 311	Field Experience in Middle Education	1	C: LED 312	FA
	MSSE 240	Foundations of General Education, 6-12	3	1,3	SP
	MSSE 425	Assessment in Middle & Secondary Educ.	3	1,3,4	SP
Middle School Teaching Methods and Practicum	MSSE 470S	Science Teaching Methods, Grades 6-8	3	1,3,4; C: MSSE 471S	FA/SP
	MSSE 471S	Field Experience in Middle School Science	1	1,3,4; C: MSSE 470S	FA/SP
	LED 440	Literacy-Based Learning in Secondary Educ.	3	1,3,4	FA/SP
Approved Elective			3	Approved by MIED advisor	
	MSSE 403	Classroom Management for Adolescents	3	1,3,4	FA/SP
	MSSE 460	Differentiation for Adolescents	3	1,3,4	FA/SP
	MSSE 450	Internship Seminar	2	1,3,4	SP
Student Teaching	MSSE 475	Internship in Middle and Secondary	8	1,3,4	SP
	MIED 489	Effective Practices in Middle Education	3	1,3,4	SP

¹Middle Grades Education major declared & approved

²Application to Teacher Education required

³Admission to Teacher Education required

⁴Completion of MSSE 240

Additional B.S. Degree Requirements (6 credits)

Requirement	Course Number	Course Name	Credits	Pre/Co-Requisites/Notes	Semester Offered
Scientific Literacy			3	Recom. Intern. Sci. Courses	FA/SP/SU
Quantitative Reasoning			3	Recom. MATH 107 & MATH 108	FA/SP/SU

Middle Grades Education Science Content Course Requirements

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
Option "A" recommended for all requirement categories.					
Foundations of Earth and Planetary Science (choose one)	A: ISCI 171	Earth and Planetary Science for Teachers	3		FA/SP
	B: GEOL 102	Environment: Earth	3		FA/SP
	C: GEOL 110 & GEOL 110L	Physical Geology and Physical Geology Laboratory	3 1	110 C: GEOL 110L 110L C: GEOL 110	FA/SP
Foundations of Physical Science (choose one)	A: ISCI 172	Physical Science for Teachers	3		FA/SP
	B: PHYS 121 & CHEM 120	The Physical Nature of Light and Sound Concepts of Chemistry	3 3		FA/SP
	C: PHYS 140 & PHYS 140L	College Physics I General Physics Laboratory	3 1	C: PHYS 140L	FA/SP/SU
	C: CHEM 131 & CHEM 131L	General Chemistry I General Chemistry Laboratory	3 1	C: PHYS 140 C: CHEM 131L or CHEM 135L	FA/SP/SU
	C: CHEM 131 & CHEM 131L	General Chemistry I General Chemistry Laboratory	3 1	C: CHEM 131L or CHEM 135L C: CHEM 131	FA/SP/SU
Foundations of Life Science (choose one)	A: ISCI 173	Life and Environmental Science for Teachers	3		FA/SP
	B: BIO 140	Foundations of Biology I	4		FA/SP
Intermediate Earth and Planetary Science (choose one)	A: GEOL 211	Introduction to Oceanography	3		
	B: GEOL 115	Earth Systems and Climate Change	3		
Intermediate Physical Science (choose one)	A: ISCI 272	Intermediate Physical Science for Teachers	3		SP
	B: PHYS 150 & PHYS 150L	College Physics II General Physics Laboratory	3 1	P: "C-" or higher in PHYS 140; C: PHYS 150L	SP
	C: CHEM 132 & CHEM 132L	General Chemistry II General Chemistry Laboratory	3 1	P: "C-" or higher in CHEM 131 and CHEM 131L or CHEM 135L	FA/SP/SU
	C: CHEM 132L	General Chemistry Laboratory	1	132 C: CHEM 132L or CHEM 136L	FA/SP/SU
	C: CHEM 132L	General Chemistry Laboratory	1	132L C: CHEM 132	FA/SP/SU
Intermediate Life Science (choose one)	A: BIO 366	Environmental Ecology and Evolution	4	P: ISCI 173 or BIO 250 or equiv.	FA
	B: BIO 150	Foundations of Biology II	4	P: "C-" or higher in BIO 140	FA/SP
Comprehensive Nature of Science	IDLS 371		3		FA

The MSME Department recommends students meet with their advisor each semester to review program sequencing and determine possible substitute courses to meet program and license requirements.