

MIDDLE SCHOOL EDUCATION MAJOR

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<http://education.umd.edu/academics/departments/tlpl/>

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Teaching and Learning, Policy and Leadership offers undergraduate curricula in Middle School Education that lead to the Bachelor of Science degree and prepare teachers for teaching in middle schools, grades 4-9.

Graduates of the Middle School Math and Science (grades 4-9) program meet the requirements for certification in Maryland and additional states that are affiliated with the Interstate Reciprocity Agreement through the Maryland State Department of Education.

Admission to the Major

Admission to the Teacher Education Professional Program is competitive. Admission procedures and criteria are explained in the College of Education Overview (<https://academiccatalog.umd.edu/undergraduate/colleges-schools/education/>).

Placement in Courses

The Middle School program includes both pre-professional and professional education course work. Before undergraduates may enroll in courses identified as part of the professional sequence, they must complete the selective admissions requirements and be fully admitted to the College of Education's Teacher Education program. Admission procedures and criteria are explained in the College of Education entry. Teacher candidates will not be permitted to enroll in professional sequence courses – including the yearlong internship – prior to completion of the selective admissions requirements and full admission to the College of Education.

Program Learning Outcomes

1. Middle School teacher candidates have in-depth knowledge of the subject matter that they teach as described in professional (Association for Middle Level Education – AMLE); state (MSDE); and, institutional standards.
2. Middle School teacher candidates can effectively plan classroom-based instruction or activities for their roles as teachers. Candidates' knowledge, skills, and dispositions are applied effectively in practice.
3. Middle School teacher candidates practice evidence-based decision-making through the use of assessment as well as the critical interpretation of research and inquiry in order to improve educational practice. They accurately assess and analyze student learning, make appropriate adjustments to instruction, monitor student learning, and have a positive effect on learning for all students.
4. Middle School teacher candidates demonstrate understanding of learners and their social and cultural contexts with a global perspective and intentional sensitivity to other cultures. They are able to work with students, families, and communities in ways that reflect the dispositions expected of professional educators as delineated in professional (AMLE); state (MSDE); and, institutional standards.
5. Middle School teacher candidates competently integrate technology in instruction to support student learning and develop data-

driven solutions for instructional and school improvement. They demonstrate proficiency in each of the seven Maryland Teacher Technology Standards.

REQUIREMENTS

All Teacher Education Programs have designated pre-professional courses and a specified sequence of professional courses. Before undergraduates may enroll in professional education course requirements they must be fully admitted to the College of Education's Teacher Education Program. An overall grade point average of 2.75 must be maintained after admission to Teacher Education. All teacher candidates are required to obtain satisfactory evaluations on the College of Education Foundational Competencies/Technical Standards and to attain qualifying scores for the State of Maryland on the Praxis I and Praxis II assessments. Praxis I is required for admission, and Praxis II is required for the teaching internship and graduation. The culminating experience of the program is the yearlong internship, which takes place in a Collaborating School (i.e., partner school, PDS - Professional Development School).

Course	Title	Credits
College Requirements (https://academiccatalog.umd.edu/undergraduate/colleges-schools/education/#collegerequirementstext)		
Pre-Professional/Subject Area Courses		
GEOL100 & GEOL110	Physical Geology and Physical Geology Laboratory	4
PHYS115 or PHYS121	Inquiry into Physics Fundamentals of Physics I	4
Select one of the following:		4
BSCI103	The World of Biology	
BSCI170 & BSCI171	Principles of Molecular & Cellular Biology and Principles of Molecular & Cellular Biology Laboratory	
CHEM131 & CHEM132	Chemistry I - Fundamentals of General Chemistry and General Chemistry I Laboratory	4
AOSC200 & AOSC201	Weather and Climate and Weather and Climate Laboratory	4
MATH212	Elements of Numbers and Operations	3
MATH213	Elements of Geometry and Measurement	3
MATH214	Elements of Probability and Statistics	3
MATH312	Mathematical Reasoning and Proof for Pre-Service Middle School Teachers	3
MATH314	Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers	3
MATH315	Algebra for Preservice Middle School Teachers	3
Select one of the following:		3-4
ASTR100 or ASTR101	Introduction to Astronomy General Astronomy	
ASTR121	Introductory Astrophysics II - Stars and Beyond	
BSCI160 & BSCI161 & BSCI120	Principles of Ecology and Evolution and Principles of Ecology and Evolution Lab and Insects	
BSCI124 & BSCI125	Plant Biology for Non-Science Students and Plant Biology Laboratory	
ENST200	Fundamentals of Soil Science	

GEOG201 & GEOG211	Geography of Environmental Systems and Geography of Environmental Systems Laboratory	
PHYS102 & PHYS103	Physics of Music and Physics of Music Laboratory	
PHYS106 & PHYS107	Light, Perception, Photography, and Visual Phenomena and Light, Perception, Photography and Visual Phenomena Laboratory	

Pre-Professional Education Courses

Select one of the following: 3

TLPL101 & TLPL102	Inquiry Approach to Teaching STEM (Step 1) and Inquiry Teaching of STEM in Middle School	3
or		
TLPL251	Community, Learners, and Classroom Climate	
TLPL250	Historical and Philosophical Perspectives on Education	3
or TLPL360		
TLPL252	Students, Schooling, and Communities	3
EDHD413	Adolescent Development	3
EDHD436	Cognition and Motivation in Content Area Literacy for Middle-School Students	3
TLPL462	Reading in the Secondary School	3

Professional Education Courses

TLPL413	Teaching and Learning Middle School Mathematics	3
TLPL420	Knowledge, Reasoning, and Learning in Science	3
TLPL423	Interdisciplinary Teaching in the Middle Grades I	2
TLPL424	Interdisciplinary Teaching in the Middle Grades II	2
TLPL475	Equitable Classrooms	2
TLPL476	Equity and Pedagogy	2
TLPL477	Teaching Academically, Culturally, and Linguistically Diverse Students in Middle School and Secondary Education	2
TLPL479	Field Experiences in Education (TLPL479E Field Experience in Middle School Education)	1
TLPL489	Internship in Education (TLPL489E Student Teaching: Middle School)	12

Total Credits **88-89**

Other Requirements for the Major

An overall grade point average of 2.75 must be maintained after admission to Teacher Education. All teacher candidates are required to obtain satisfactory evaluations on the College of Education Foundational Competencies/Model Code of Ethics for Educators standards and to attain qualifying scores for the State of Maryland on a test of basic skills (http://www.marylandpublicschools.org/about/Pages/DEE/Certification/testing_info/praxis1.aspx) and Praxis II assessments. The test of basic skills is required for admission, and Praxis II is required for the teaching internship and graduation. The culminating experience of the program is the yearlong internship, which takes place in a public school PDS setting.

FOUR-YEAR PLAN

Click here (<https://education.umd.edu/student-resources/student-services/coe-undergraduate-studies-student-services-office/major-four/>) for roadmaps for four-year plans in the College of Education.

Additional information on developing a four-year academic plan can be found on the following pages:

- <http://4yearplans.umd.edu>
- the Student Academic Success-Degree Completion Policy (<https://academiccatalog.umd.edu/undergraduate/registration-academic-requirements-regulations/academic-advising/#success>) section of this catalog

OPPORTUNITIES

Teaching and Learning, Policy and Leadership - Middle School (TLPL) Internships

The yearlong internship, which is the culminating experience in the teacher preparation program, takes place in a public school setting.

Scholarships and Financial Assistance

The Office of Student Financial Aid (OSFA) administers all types of federal, state and institutional financial assistance programs and, in cooperation with other university offices, participates in the awarding of scholarships to deserving students. For information, visit: <http://financialaid.umd.edu>.

The College of Education also offers a number of scholarships. For more information, see: <http://education.umd.edu/admissions/financial-aid-scholarships/>.