

MIDDLE SCHOOL EDUCATION MAJOR

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<https://education.umd.edu/academics/departments/tlpl> (<https://education.umd.edu/academics/departments/tlpl/>)

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 or 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 | |
| BSCI122 | | |
| 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 |
| ANTH220 | Introduction to Biological Anthropology | |
| ASTR100 & ASTR111 or ASTR101 | Introduction to Astronomy and 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 | |

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| CHEM104 | | |
| 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 | |
| PLSC100 | Introduction to Horticulture | |
| PLSC101 | Introductory Crop Science | |
| Pre-Professional Education Courses | | |
| TLPL250 | Historical and Philosophical Perspectives on Education | 3 |
| TLPL360 | Foundations of Education | 3 |
| TLPL251 | Introduction to Teaching | 3 |
| 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 |
| TLPL479 | Field Experiences in Education (TLPL479E Field Experience in Middle School Education) | 1 |
| TLPL489 | Internship in Education (TLPL489E Student Teaching: Middle School) | 12 |
| TLPL488 | Special Topics in Education (TLPL488B Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education) | 2 |
| Total Credits | | 91-92 |

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 (<http://www.gened.umd.edu/for-students/forstudents-4yearplans-educ.html>) 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:

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

Opportunities Curriculum and Instruction - Middle School (EDCI)

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: www.financialaid.umd.edu (<http://www.financialaid.umd.edu>).

The College of Education also offers a number of scholarships. For more information, see: <http://www.education.umd.edu/studentinfo/scholarships.html>.