

Mathematics Education

Bachelor of Science in
Education



THE OHIO STATE UNIVERSITY

COLLEGE OF
EDUCATION AND HUMAN ECOLOGY



Effective for students admitted to the College of Education and Human Ecology beginning **Autumn 2022**

General Education Requirements (32-39 Hours)		HOURS
Launch Seminar		1
Reflection Seminar		1
Foundations (22-25 Hours)		
Writing & Information Literacy		3
Mathematical & Quantitative Reasoning or Data Analysis		3-5
Literary, Visual & Performing Arts		3
Historical & Cultural Studies		3
Natural Science		4-5
Social & Behavioral Sciences		3
Race, Ethnic & Gender Diversity		3
Thematic Pathways (8-12 Hours)		
Take 4-6 hours from Citizenship for a Diverse & Just World and 4-6 hours from another Thematic Pathway of choice.		
Citizenship for a Diverse & Just World		4-6
Choice of 4-6 hours from one additional Thematic Pathway:		4-6
Lived Environments Sustainability Health & Wellbeing	Origins & Evolution Traditions, Cultures, & Transformations Number, Nature, Mind	Migration, Mobility, & Immobility
EHE 1100 College Survey		1

Pre-Major Requirements (12 Hours)		HOURS
EDUCST 2189S First Education Experience Program (FEEP)		3
ESPHE 3206 School & Society (can overlap with GE Race, Ethnic, & Gender Diversity) or ESPHE 4280 Hist. of Modern Edu.		3
ESEPSY 2309 Psychological Perspectives on Education		3
HDFS 2420 Adolescence & Emerging Adult Dev., or ESEPSY 5401 Adolescent Learning & Development in School Contexts		3
Content Requirements (41 Hours)		HOURS
MATH 1151 Calculus I (can overlap with GE Math & Quantitative Reasoning or Data Analysis)		5
MATH 1152 Calculus II		5
MATH 2153 Calculus III		4
MATH 2568 Linear Algebra		3
MATH 3345 Foundations of Higher Mathematics		3
MATH 4507 Geometry		3
MATH 4578 Discrete Mathematical Models		4
MATH 4580 Abstract Algebra I		3
MATH 4480 Algebra for Teaching		2
MATH 4547 Introductory Analysis I		3
MATH 4407 Geometry for Teaching		2
STAT 4201 Introduction to Mathematical Statistics I		4
Content Requirements also meet the requirements for the Math Minor		
Major Requirements (35 Hours)		HOURS
EDUTL 5005 Equity & Diversity (can overlap with GE Citizenship for a Diverse & Just World)		3
EDUTL 5501 Inclusion		3
EDUTL 5442 Teaching Reading Across the Curriculum		3
EDUTL 5711 Methods in Teaching STEM Secondary Mathematics I		3
EDUTL 5712 Methods in Teaching STEM Secondary Mathematics II		3
EDUTL 5744 Technologies Used in STEM		1.5
EDUTL 5745 Assessment in STEM I: Introduction		1.5
EDUTL 3189.07 Field Experience		1
EDUTL 4189.07 Advanced Field Experience: STEM Education		2
EDUTL 5195.07 Reflective Seminar: STEM Education		1+1+2
EDUTL 5191.07 Supervised Student Teaching Internship: STEM Education		10
<p>Successful completion of the Ohio Assessment for Educators examinations is required prior to student teaching. To be recommended for state of Ohio teacher licensure, must maintain a 2.75 cumulative GPA, 2.75 content GPA, and earn a B- or higher grade in student teaching.</p>		
<p>Total Hours: 114-128 Free Electives to reach 120 Hours: 0-6</p>		
<p>Minimum of 120 credit hours required for degree completion. Total Hours range is based on requirement course choices and/or the number of credits that overlap between requirement areas. Students are encouraged to overlap as many credits as possible.</p>		