

**BACHELOR OF SCIENCE IN EDUCATION,
Mathematics Education
2017-2018**

Effective for NFYS and New Transfer students admitted to the College of Education and Human Ecology Summer 2017

COURSE & NUMBER	HRS	COURSE & NUMBER	HRS
General Education (28-31)		PRE-MAJOR REQUIREMENTS (45-50)	
Writing		Professional Pre-Major (9)	
ENGLISH 1110.01 or 1110.02 or ¹ 1110.03	3	ESCE 2189S- First Education Experience Program (also fulfills Open Option GE)	3
³ 2 nd Level Writing Course (2367)	3	ESPHE 3410- Philosophy of Education (also fulfills Culture & Ideas GE)	3
		HDFS 2420 or ESEPSY 5401	3
² Literature (3 hours)	3	Content (36-41)	
		Math Placement L or higher, MATH 1151 or Equiv (also fulfills Quantitative Analysis GE) ^L	0-5
² Arts (3 hours)	3	MATH 1152 – Calculus II ^L (also fulfills Open Option GE)	5
		MATH 2153 – Calculus III ^L	4
Science (choose two or three, 10 hours)	10	MATH 2568 – Linear Algebra ^L	3
Take two or three science courses totaling at least 10 credits from University approved GE list. At least one course must have a lab. At least one course must be a Biological Science and one must be a Physical Science.		MATH 3345 – Foundations of Mathematics ^L	3
		MATH 4507 - Geometry ^L	3
		MATH 4578 - Discrete Math Models ^L	4
² Historical Study (3 hours)	3	MATH 4580 – Abstract Algebra I ^L	3
		MATH 4480 – Algebra for Teaching ^L	2
³ Social Science (3-6)	6	MATH 4547 - Intro Analysis I ^L	3
Take two social science courses from the University approved GE list. Choose from two different subcategories.		MATH 4407 – Geometry for Teaching ^L	2
		STAT 4201 - Introduction to Mathematical Statistics I ^L (also fulfills GE Data Analysis)	4
		Major Admission Requirements: Competitive application process requiring completion of application. Students should consult their academic advisor to discuss eligibility and the application process. While a 2.75 CGPA is required for admission, meeting the minimum requirements does not guarantee admission.	
University Requirement (1)	1		
EHE 1100		Major Requirements (41)	
		EDUTL 5005 – Equity and Diversity in Education	3
		EDUTL 5501- Inclusion: Philosophical, Social, and Practice Issues	3
		EDUTL 5442 – Teaching Reading Across the Curriculum	3
		EDUTL 5711 – STEM MATH Methods I	3
		EDUTL 5712 – STEM MATH Methods II	3
		EDUTL 5741 – Learning, Cognition, & Teaching in STEM	3
		EDUTL 5744 Technologies Used in STEM	3
		EDUTL 5745 – Assessment in STEM I: Introduction	3
		EDUTL 4189- Advanced Field Experience	2
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		⁴ EDUTL 5191- Supervised Student Teaching Internship	10
		EDUTL 5195- Reflective Seminar	4
ELECTIVES (0-5)		TOTAL HOURS REQUIRED	120-123
Successful completion of the Ohio Assessment for Educators examinations are required prior to student teaching. Cumulative grade point average of 2.75 required at time of graduation in order to be recommended for state of Ohio teacher licensure.			

¹English 1110.03 must be taken concurrently with English 1193.03h

²Students must complete two Global Issues courses, which are typically met by selecting Literature, Art, Cultures & Ideas, or Historical Study courses that meet this requirement

³Students must complete one Social Diversity in the US course, which is typically met by selecting a 2367 or Social Science course that meets this requirement.

⁴ A grade of B- or better is required.

⁶To complete a mathematics major, students must take five additional courses: Stat 4202; Math 4581; Math 4548; CSE 1222,1223, or 2221 (pre-req to the major) and 1295 (For a total of 14-15 hours).

^L Content required for state license. Cumulative grade point average of 2.75 required at time of graduation in these courses (and overall) in order to be recommended for state of Ohio teacher licensure. Course grades transferred from other institutions will also be included in these GPA calculations.