

Mathematics (BS)
Mathematics Education Concentration
Graduation Planning Strategy
College of Science and Mathematics

TERM ONE		CREDITS
MTH 2300	Calculus I*	4
CS Course	CS 1150/L or 1160/L or 1180/L	4
ENG Core	Academic Writing & Reading *	3
Core	CORE Arts and Humanities*	3
Core	CORE Global Traditions—History*	3

SUCCESS MARKER Complete MTH 2300 with a C or better. 17

TERM THREE		CREDITS
MTH 2800	Writing Mathematical Proofs	3
MTH 2330	Differential Equations MTH 2330 or 2350	3
PHY 2400	General Physics I*	4
PHY 2400L	General Physics I Lab	1
ED 2600	Introduction to Education*	3
ED 2650	Field Experience I	1

SUCCESS MARKERS Complete MTH 2800 with a C or better. Apply for next semester's ED2750 field experience during first week of this semester. 15

TERM FIVE		CREDITS
MTH 4510	Modern Algebra I	3
MTH 4710	Geometry	3
STT 3600	Applied Statistics I	3
ED or MTH	Two licensure courses OR two department-approved math/stat electives—see advisors	6

SUCCESS MARKERS Complete MTH 4510, MTH 4710, and STT 3600 with a C or better. 15

TERM SEVEN		CREDITS
MTH 4310	Real variables I	3
ED or GE	Licensure courses or General Electives—see advisors	7
GE	General Elective	3

SUCCESS MARKERS Complete MTH 4310 with a C or better. Maintain a GPA of 2.7 and math GPA of 2.0 or better. 13

TERM TWO		CREDITS
MTH 2310	Calculus II*	4
MTH 2530	Elementary Linear Algebra	3
MTH Course	MTH 3450 or STT 3420	3
EDS 2900	Individuals with Exceptionalities*	3
ENG Core	Research writing*	3

See mathematics education advisor in the Department of Mathematics and Statistics.

SUCCESS MARKERS Complete MTH 2530 and 2310 with a C or better. Maintain a GPA of 2.7 or better. Apply for next semester's ED2650 field experience during first week of this semester. 16

TERM FOUR		CREDITS
MTH 2320	Calculus III	4
MTH Course	MTH 3450 or MTH 4460 (4 cr) or STT 3420	3
PHY 2410	General Physics II*	4
PHY 2410L	General Physics II Lab	1
ED 2700	Educational Psychology*	3
ED 2750	Field Experience II	1

Maintain a GPA of 2.7 or better.

SUCCESS MARKERS Students seeking licensure should apply for admission to CEHS licensure program after completing entrance requirements 16

TERM SIX		CREDITS
MTH 4910	High School Math from an Advanced Perspective	3
MTH 4400	History of Mathematics	3
MTH Course	MTH 3450 or MTH 4460 (4 cr) or STT 3420	4
ED 2800	Cultural Humility for Working with Youth*	3
GE	General Elective	3

Complete MTH 4910 and 4400 with a C or better. Maintain a GPA of 2.7 and math GPA of 2.0 or better.

SUCCESS MARKERS Students seeking licensure must receive a passing score on the OAE Integrated Mathematics exam before applying for student teaching. 16

TERM EIGHT		CREDITS
ED or GE	Student Teaching or General Electives	12

SUCCESS MARKERS Maintain a GPA of 2.7 and math GPA of 2.0 or better. 12

Note: Students who intend to seek AYA: Integrated Mathematics licensure in the state of Ohio should apply for admission to the licensure program in the College of Education and Human Services after completing (or be enrolled in) all of ED2600/26650/2700/2750/EDS2900 and one of MTH3450/STT3420/MTH 4460. While students may earn a B.S. in Mathematics with a concentration in Mathematics Education without completing the licensure pathway, they will *not* be licensed to teach. Students choosing not to pursue licensure, will replace the 4000-level ED courses with two department-approved mathematics courses and general elective hours. *Course in the Wright State Core