

GER Knowledge Domains: NS: Natural Science AH: Arts and Humanities SS: Social Science SP: Social and Personal Aware.
P: Prerequisite

Youngstown State University
College of STEM
Curriculum for
Mathematics (40 SH) BS
Applied Mathematics Track¹

Total Degree Hours:	126
Upper Division Hours:	48
Hours in Major:	40
Hours in Minor:	≥ 18

Fall Semester	Gr.	S.H.	Year 1	Spring Semester	Gr.	S.H.
MATH 1571		4		MATH 1572 (P)		4
ENGL 1550		3		CSIS 2610 ²		4
GER domain (AH)		3		ENGL 1551		3
GER domain (SS)		3		Foreign Language 2600		4
Foreign Language 1550		4				
Total:			17	Total: 15		

Fall Semester	Gr.	S.H.	Year 2	Spring Semester	Gr.	S.H.
MATH 2673 (P)		4		MATH 3720 (P)		3
MATH 3715 (P)		3		STAT 3743 (P)		4
Course in minor ³		3		Course in minor ³		3
GER domain (NS with lab.)		4		CMST 1545		3
GER domain (AH)		3		GER domain (NS)		3
Total:			17	Total: 16		

Fall Semester	Gr.	S.H.	Year 3	Spring Semester	Gr.	S.H.
MATH 3705 (P)		3		MATH 3751 (P)		4
MATH 3721 (P)		4		Elective (upper division) (P)		3
MATH 3760 (P)		3		Course in minor ³		3
GER domain (SP)		3		GER domain (SP)		3
GER domain (SS)		3		Elective		3
Total:			16	Total: 16		

Fall Semester	Gr.	S.H.	Year 4	Spring Semester	Gr.	S.H.
MATH 5825, 5835, 5845, 5855, 5857, 5861, or 6942 (P)		3		MATH 5825, 5835, 5845, 5855, 5857, 5861, or 6942 (P)		3
MATH 4896 (P) (Capstone)		2		Elective (upper division) (P)		3
Elective (upper division if necessary) (P)		3		Course in minor ³ (P)		3
Upper level course in minor ³		3		Upper level course in minor ³ or elective		3
GER domain (AH, NS, SS, SP)*		3		Elective (upper division if necessary)		3
Total:			14	Total: 15		

<p>Important Notes:</p> <ul style="list-style-type: none"> Placement exams in English and Math required before registration of classes. (Foreign Language is optional) Engl. 1550 and 1551 must be completed by 62 SH. FNLG through level 2600 required unless satisfied through placement exam. Classes taken and/or repeated out of sequence will not be counted toward graduation. Check prerequisites! “C” or better is required in the major and minor. 	<ul style="list-style-type: none"> Residency rule: The last 30 SH must be completed at YSU. This includes at least 16 SH in the major and at least 21 SH in upper division at YSU. *Minimum of two classes in each of AH, NS, SS, SP and one additional class taken from one of these areas. Must have at least 124 total hours and at least 48 hours of upper division coursework to graduate. Knowledge Domains may be taken in any order. Request for senior evaluation form must be filed by 85 SH.
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¹ For information on other available tracks, contact the Department of Mathematics & Statistics.

² Consult an advisor concerning preparation for this course.

³ Recommend minors are statistics, computer science, engineering, physics, geology, chemistry, biology, logistics, economics, geoscience. Actual hours of each course may vary.

