

2020-2021 Program Map – BS Mathematics (Applied Mathematics Track)

YEAR 1			
TERM 1		TERM 2	
Courses	Credits	Courses	Credits
MATH 1113 (Core A2(3), F (1)): Precalculus	4	MATH 1634 (Core D2(3), F (1)): Calculus I	4
ENGL 1101 (Core A1): English Composition I	3	MATH 2009 (Core F): Sophomore Seminar	1
Core E1: World History	3	CS 1300 (Core F): Introduction to Computer Science	4
Core E3: American/ Georgia Government	3	ENGL 1102 (Core A1): English Composition II	3
Core B2: Other Institutional options	2	Core E2: American History	3
SEMESTER TOTAL	14	SEMESTER TOTAL	15
Milestones		Milestones	
<ul style="list-style-type: none"> • Complete ENGL 1101 C or better 		<ul style="list-style-type: none"> • Complete A1 requirement & Calculus I 	
YEAR 2			
TERM1		TERM2	
Course	Credits	Course	Credits
MATH 2644 (Core F): Calculus II	4	MATH 2654 (Core F): Calculus II	4
MATH 2853 (Core F): Elementary Linear Algebra	3	MATH 3003W: Transition to Advanced Mathematics	3
CS 1301: Computer Science II	3	Core C2: Humanities	3
Core B1: Written and Oral Communication	3	Core D1 science with lab	4
Core C1: Fine Arts	3		
SEMESTER TOTAL	16	SEMESTER TOTAL	14
Milestones		Milestones	
<ul style="list-style-type: none"> • Complete Calculus II & CS requirement 		<ul style="list-style-type: none"> • Complete Calculus sequence & D1 requirement 	

****This program map is intended ONLY as a guide for students to plan their course of study. It does NOT replace any information in the Undergraduate Catalog, which is the official guide for completing degree requirements****

Core Curriculum (A-E) can be viewed here: <https://www.westga.edu/student-services/registrar/core-curriculum.php>

Student Online Resources:

- www.westga.edu/advising (Learn about: The name of your assigned advisor, program maps for all programs at UWG, tutorials on how to register and your wolf watch evaluation).
- www.westga.edu/scoop (Learn about: Fee payment deadlines, withdrawal deadlines, final exam schedules).
- www.westga.edu/esc (Learn about: Requesting a transcript, financial aid information, requesting an enrollment verification, completing a FERPA form).
- www.westga.edu/careerservices (Learn about: On/Off campus job opportunities, major and career exploration, resumes & cover letters, interviewing tips).
- www.westga.edu/cas (Learn about: tutoring, academic coaching, supplemental instruction, success workshops).

YEAR 3				
TERM1			TERM2	
Course	Credits		Course	Credits
MATH 3243 W: Advanced Calculus	3		MATH 4353: Complex Analysis	3
MATH 3303: Ordinary Differential Equations	3		MATH 4473: Combinatorics	3
MATH 4013: Numerical Analysis	3		MATH 4513: Linear Algebra I	3
Core D1 science with lab	4		Directed Elective I	3
Core E4: Social Science Elective	3		Elective	3
SEMESTER TOTAL	16		SEMESTER TOTAL	15
Milestones			Milestones	
<ul style="list-style-type: none"> Complete DSW requirement 				

YEAR 4				
TERM1			TERM2	
Course	Credits		Course	Credits
MATH 4363: Partial Differential Equations	3		MATH 4483: Graph Theory	3
MATH 4413: Abstract Algebra I	3		MATH 4983: Senior Project	1
Directed Elective II	3		Directed Elective II	3
Elective	3		Elective	3
Elective	3		Elective	3
			Elective	2
SEMESTER TOTAL	15		SEMESTER TOTAL	15
Milestones			Milestones	
<ul style="list-style-type: none"> Complete Core requirement 			<ul style="list-style-type: none"> Complete All 120 credit requirement 	