Applied Mathematics (Interdisciplinary Track) / BS Degree

Suggested Course Sequence
For students entering the major in catalog year 2017-18

YEAR 1					
SEMESTER	**FALL**		**SPRING**		
RECOMMENDED COURSES	ENG 151 Composition & Writing from Sources	3	ENG 152 Writing about Literature	3	
	Humanities I (HUM)*	3	Humanities II (HUM)*	3	
	Social Science I (SS)**	3	Social Science II (SS)**	3	
	CM (Communication Intensive)	3	MATH 221 Calculus II (QL)	4	
	MATH 220 Calculus I (QL)	4	MATH Elective[1]	3	
	FYS 100 First Year Seminar OR SCI 100 New Transfer Student Seminar	1			
CREDITS	**17** CREDITS		**16** CREDITS		

YEAR 2					
SEMESTER	**FALL**		**SPRING**		
RECOMMENDED COURSES	Humanities III (HUM)*	3	Writing Intensive 200-level	3	
	MATH 222 Calculus III	4	MATH 321 Differential Equations	3	
	MATH 312 Mathematical Statistics I	3	MATH 313 Mathematical Statistics II	3	
	PHYS 215 General Physics I with Calculus *(SR-L)*	4	PHYS 216 General Physics II with Calculus	4	
			Elective	3	
CREDITS	**14** CREDITS		**16** CREDITS		

YEAR 3					
SEMESTER	**FALL**		**SPRING**		
RECOMMENDED COURSES	MATH 326 Linear Algebra	3	Humanities IV (HUM)*	3	
	MATH 301 Mathematical Structures	3	MATH 4xx Numerical Analysis	3	
	MATH Elective[1]	3	MATH Elective[1]	3	
	Elective	3	Elective	3	
	Elective	3	Elective	3	
CREDITS	**15** CREDITS		**15** CREDITS		

YEAR 4					
SEMESTER	**FALL**		**SPRING**		
RECOMMENDED COURSES	Fine Arts	3	MATH 425 Scientific Computer Programming	3	
	MATH 450/460/460H Research Capstone OR MATH 455/465/465H Internship Capstone (Writing Intensive 300-400 level)	5-9	MATH 418 Mathematical Modeling	3	
	MATH Elective[1,2]	3	Elective	3	
	Elective	3	Elective	3	
			Elective, if needed[3]	3	
CREDITS	**12-15** CREDITS		**12-15** CREDITS		

PROGRAM POLICIES

Stevenson University and the School of the Sciences require a minimum cumulative GPA of 2.000 for graduation.

No student, regardless of major, will be permitted to take a science or math course unless he/she earns a grade of "C" or better in all prerequisite courses.

A student may not earn a grade of "C-minus" or lower in any science or mathematics course more than three times during the program. If a fourth grade of "C-minus" or lower is earned in any science or mathematics course, the student will be dismissed from the major.

COURSE INFORMATION

[1] MATH electives include: MATH 218 Geometry, MATH 230 Discrete Structures, MATH 3xx Time Series Analysis, MATH 365 Independent Research in Mathematics, MATH 420 Actuarial Mathematics, and MATH 490 Special Topics in Mathematics.

[2] This elective is only needed if the 5 credit Capstone is chosen.

[3] Elective should be added, if needed, to fill remaining credit requirements.

GENERAL EDUCATION NOTES

General Education courses are identified in blue.

- Specific courses that fulfill SEE general education requirements are listed in the catalog and on the portal.
- Students must complete all general education and major requirements and earn a minimum of 120 credits.
- 15 credits must be taken at the 300 or 400 level.
- All courses in the student's last 30 credits must be taken at Stevenson.

*HUMANITIES classes must be from at least three different disciplines.

**SOCIAL SCIENCE classes must be from two different disciplines.