Applied Mathematics / BS Degree Interdisciplinary Track

Suggested Course Sequence

For students entering the major in catalog year 2019-2020

SEMESTER	FALL		SPRING	
	INT 100 Principles of Academic Integrity	0		
	FYS 100 First Year Seminar	1		
	ENG 151 Composition & Writing from Sources	3	ENG 152 Writing about Literature and Culture	3
	MATH 220 Calculus I		MATH 221 Calculus II	
	Quantitative Literacy (QL)	4	Quantitative Literacy (QL)	4
	Communication Intensive (CI)	3	MATH Elective (1 of 4)	3
	Humanities I* (HUM)	3	Humanities II* (HUM)	3
	Social Science I** (SS)	3	Social Science II** (SS)	3
CREDITS	1	7 CREDITS	16 (CREDITS
YEAR 2	·			
SEMESTER	FALL		SPRING	
	MATH 222 Calculus III	4	MATH 313 Mathematical Statistics II	3
	MATH 312 Mathematical Statistics I	3	MATH 321 Differential Equations	3
	PHYS 215 General Physics I with Calculus		·	
	Scientific Reasoning - Lab (SR-L)	4	PHYS 216 General Physics II with Calculus	4
	Humanities III* (HUM)	3	200-level Writing Intensive (WI)	3
			General Elective	3
CREDITS	14 CREDITS		16 CREDITS	
YEAR 3				
SEMESTER	FALL		SPRING	
	MATH 326 Linear Algebra	3	MATH 442 Numerical Analysis	3
	MATH 301 Mathematical Structures	3	MATH Elective (3 of 4)	3
	MATH Elective (2 of 4)	3	Humanities IV* (HUM)	3
	MATH Elective (2 of 4) General Elective	3	Humanities IV* (HUM) General Elective	3
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CREDITS	General Elective General Elective	3	General Elective General Elective	3
CREDITS YEAR 4	General Elective General Elective	3	General Elective General Elective	3
	General Elective General Elective	3	General Elective General Elective	3
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or	3	General Elective General Elective 15-16 (3
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone	3 3 5 CREDITS	General Elective General Elective 15-16 (3 3 CREDITS
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI)	3 3 5 CREDITS	General Elective General Elective 15-16 (SPRING MATH 418 Mathematical Modeling	3 3 CREDITS
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI) MATH Elective (4 of 4)	3 3 5 CREDITS	General Elective General Elective 15-16 (SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming	3 3 CREDITS
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI) MATH Elective (4 of 4) Fine Arts (FA)	3 3 5 CREDITS 5-9 3 3	General Elective General Elective 15-16 (SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming General Elective	3 3 CREDITS
YEAR 4	General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI) MATH Elective (4 of 4)	3 3 5 CREDITS	General Elective General Elective 15-16 (SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming	3 3 CREDITS

PROGRAM POLICIES

Specific information regarding program policies and tracks (if applicable) may be found in the Stevenson University Catalog. Please consult with your academic advisor/success coach if you need additional information.

MATH ELECTIVES - Choose Four

MATH 218 Geometry
MATH 230 Discrete Structures
MATH 343 Time Series Analysis
MATH 365 Independent Research in
Mathematics
MATH 420 Actuarial Mathematics
MATH 490 Special Topics in Mathematics

COURSE INFORMATION

FYS-100 First Year Seminar 1-credit course required for all first year students.

INT-100

Principles of Academic Integrity O-credit Blackboard course required for all students.

GENERAL EDUCATION NOTES

Stevenson Educational Experience (SEE) courses are identified in blue.

- Specific courses that fulfill SEE requirements are listed in the catalog, on the SU Now portal, and through Student Planning.
- Students must complete all general education and major requirements and earn a minimum of 120 credits.
- A minimum of 15 credits must be taken at the 300/400 level.
- *HUMANITIES classes must be from at least three different disciplines.
- **SOCIAL SCIENCE classes must be from two different disciplines