Applied Mathematics/ BS Degree Scientific Track

Suggested Course Sequence

For students entering the major in catalog year 2020-21

SEMESTER	FALL		SPRING	
	INT 100 Principles of Academic Integrity	0	CHEM 114 or 115/115I/115S General	
	FYS 100 First Year Seminar	1	Chemistry I with Lab & SoLVE or BIO/112 or	
	ENG 151 College Writing I	3	113/113L General Biology I with Lab Scientific Reasoning - Lab (SR-L)	4
	MATH 220 Calculus I		3.50	
	Quantitative Literacy (QL)	4	MATH Elective (1 of 3)	3
	Communication Intensive (CI)	3	ENG 152 College Writing II	3
	Humanities I* (HUM)	3	Humanities II* (HUM)	3
	Social Science I** (SS)	3	Social Science II** (SS)	3
CREDITS	17 CR	EDITS	16 (CREDIT
YEAR 2				
SEMESTER	FALL		SPRING	
	MATH 221 Calculus II Quantitative Literacy (QL)	4	MATH 222 Calculus III	4
	CHEM 116/116L/116S General Chemistry Lab II	4	IMATH 222 Calculus III	4
	with Lab & SoLVE or BIO 114/114L General Biology			
	II with Lab	4	MATH 321 Differential Equations	3
	Humanities III* (HUM)	3	MATH Elective (2 of 3)	3
	General Elective	3	200-Level Writing Intensive (WI)	3
	General Elective	3	General Elective	3
CREDITS	17 CR	EDITS	16 C	REDITS
YEAR 3				
SEMESTER	FALL		SPRING	
	MATH 312 Mathematical Statistics I	3	MATH 313 Mathematical Statistics II	3
	MATH 326 Linear Algebra	3	MATH 442 Numerical Analysis	3
	Fine Arts (FA)	3	Humanities IV* (HUM)	3
	Science Elective (Choose any course from: BIO,	3-4	Science Elective (Choose any course from: BIO,	3-4
	BIOCH, CHEM, ENV, PHYS) General Elective	3-4	BIOCH, CHEM, ENV, PHYS) General Elective	3-4
CREDITS	15 – 16 CR		15 - 16 C	
YEAR 4	15 – 10 CK	EDIIS	13 - 10 C	KEDIIS
SEMESTER	FALL		SPRING	
SEFIESTER	MATH 475 Capstone Seminar			
	300/400-Level Writing Intensive (WI)	3	MATH 418 Mathematical Modeling	3
	MATH 470 or 471 Capstone Internship ¹	3/6	MATH 425 Scientific Computer Programming	3
	MATH Elective (3 of 3) ¹	3	General Elective	3
	General Elective	3	General Elective	3
	General Electro			
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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.

Prerequisite and co-requisite information is listed in the course descriptions.

No student, regardless of major, will be permitted to advance to the next course without earning a grade of "C" or better in the prerequisite course(s). When a grade below a "C" is earned in a major course, the student must repeat that course. A course may be repeated once without special permission.

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.

¹ A student taking the 6 credit internship (MATH 471) can take one less MATH Elective.

GENERAL EDUCATION NOTES

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

- Specific courses that fulfill SEE requirements are listed in the SU Catalog, on the SU Now Portal, and through Student Planning.
- Students must complete all SEE 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