# Applied Mathematics / BS Degree Science Track

# **Suggested Course Sequence**

For students entering the major in catalog year 2018-19

SEMESTER	FALL		SPRING	
	INT 100 Principles of Academic Integrity	0	CHEM 115/115L/115S General Chemistry I with Lab and SoLVE OR BIO 113/113L General Biology I with Lab	
	FYS 100 First Year Seminar	1	Scientific Reasoning - Lab (SR_L)	4
	ENG 151 Composition & Writing from Sources MATH 220 Calculus I	3	ENG 152 Writing about Literature  MATH 221 Calculus II	3
	Quantitative Literacy (QL)	4	Quantitative Literacy (QL)	4
	Communication Intensive (CI)	3	MATH Elective <sup>1</sup> (1 of 3)	3
	Humanities I* (HUM)	3	Humanities II* (HUM)	3
	Social Science I** (SS)	3		
CREDITS	17 CR	EDITS	17 CR	EDITS
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
	CHEM 116/116L/116S General Chemistry II with Lab and SoLVE OR BIO 114/114L General Biology II with Lab	4	200-level Writing Intensive (WI)	3
	Humanities III* (HUM)	3	Social Science II** (SS)	3
	General Elective	3	General Elective	3
CREDITS		EDITS		REDITS
YEAR 3				
SEMESTER	FALL		SPRING	
	MATH 326 Linear Algebra	3	MATH 442 Numerical Analysis	3
	MATH Elective <sup>1</sup> (2 of 3)	3	Humanities IV* (HUM)	3
	Science Elective (Choose any course from:		Science Elective (Choose any course from:	
	BIO,BIOCH,CHEM,ENV,PHYS)	3	BIO,BIOCH,CHEM,ENV,PHYS)	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
CREDITS	15 CR	EDITS	15-16 CREDITS	
YEAR 4			I	
SEMESTER	MATH 450/460/460H, Decearch Canatana ar		SPRING	
	MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI)	5-9	MATH 418 Mathematical Modeling	3
	MATH Elective <sup>1</sup> (3 of 3)	3	MATH 425 Scientific Computer Programming	3
	Fine Arts (FA)	3	General Elective	3
	General Elective	3	General Elective	3
		-		1
CREDITS	14-18 CR	FDITS	12 CR	EDITS
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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.

#### <sup>1</sup> MATH electives include:

MATH 218 Geometry,

MATH 230 Discrete Structures,

MATH 301 Mathematical 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
0-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 and on the portal.
- 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