Applied Mathematics / BS Degree **Actuarial 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		EC 201 Macroeconomics	
	Quantitative Literacy (QL)	4	Social Science II** (SS)	3
	Communication Intensive (CI)	3	MATH Elective (1 of 3)	3
	Humanities I* (HUM)	3	Humanities II* (HUM)	3
	Social Science I** (SS)	3	General Elective	3
CREDITS	1	7 CREDITS	15	CREDITS
YEAR 2				
SEMESTER	FALL		SPRING	
	MATH 221 Calculus II			
	Quantitative Literacy (QL)	4	MATH 222 Calculus III	4
	MATH 312 Mathematical Statistics I	3	MATH 313 Mathematical Statistics II	3
	ACC 140 Financial Accounting	3	ACC 141 Managerial Accounting	3
	EC 202 Microeconomics	3	200-level Writing Intensive (WI)	3
	General Elective	3	Humanities III* (HUM)	3
CREDITS	16 CREDITS		16 CREDITS	
YEAR 3				
SEMESTER	FALL		SPRING	
	MATH 326 Linear Algebra	3	MATH 420 Actuarial Math	3
	MATTI 320 Ellical Algebia	5	William 120 Motaanan Math	
	MATH 342 Time Series Analysis	3	MATH Elective (2 of 3)	3
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	MATH 342 Time Series Analysis	3	MATH Elective (2 of 3)	3
	MATH 342 Time Series Analysis FIN 300 Principles of Finance I	3	MATH Elective (2 of 3) Humanities IV* (HUM)	3
CREDITS	MATH 342 Time Series Analysis FIN 300 Principles of Finance I General Elective General Elective	3 3 3	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective	3 3 4
CREDITS YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I General Elective General Elective	3 3 3 3	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective	3 3 4 3
	MATH 342 Time Series Analysis FIN 300 Principles of Finance I General Elective General Elective	3 3 3 3	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective	3 3 4 3
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or	3 3 3 3	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective	3 3 4 3
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I General Elective General Elective 1 FALL MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone	3 3 3 3 5 CREDITS	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective 16 SPRING	3 3 4 3 CREDITS
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I 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 3 3 5 CREDITS	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective 16 SPRING MATH 418 Mathematical Modeling	3 3 4 3 CREDITS
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I 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 (3 of 3)	3 3 3 3 5 CREDITS	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective 16 SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming	3 3 4 3 CREDITS
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I 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 (3 of 3) General Elective	3 3 3 3 5 CREDITS	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective 16 SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming Fine Arts (FA)	3 3 4 3 CREDITS
YEAR 4	MATH 342 Time Series Analysis FIN 300 Principles of Finance I 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 (3 of 3)	3 3 3 3 5 CREDITS	MATH Elective (2 of 3) Humanities IV* (HUM) Scientific Reasoning - Lab (SR-L) General Elective 16 SPRING MATH 418 Mathematical Modeling MATH 425 Scientific Computer Programming	3 3 4 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 Three

MATH 218 Geometry MATH 230 Discrete Structures MATH 301 Mathematical Structures MATH 321 Differential Equations MATH 365 Independent Research in Mathematics MATH 442 Numerical Analysis

MATH 490 Special Topics in Mathematics

COURSE INFORMATION

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

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. 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