## Applied Mathematics / BS Degree Business Track

# Suggested Course Sequence

### For students entering the major in catalog year 2019-2020

FALL         INT 100 Principles of Academic Integrity         FYS 100 First Year Seminar         ENG 151 Composition & Writing from Sources         MATH 220 Calculus I         Quantitative Literacy (QL)         Communication Intensive (CI)         Humanities I* (HUM)         14 CR	0 1 3 4 3 3	SPRING         EC 201 Macroeconomics         Social Science I** (SS)         ENG 152 Writing about Literature and Culture         MATH Elective (1 of 4)         General Elective	3 3 3
FYS 100 First Year Seminar ENG 151 Composition & Writing from Sources MATH 220 Calculus I Quantitative Literacy (QL) Communication Intensive (CI) Humanities I* (HUM)	1 3 4 3	Social Science I** (SS) ENG 152 Writing about Literature and Culture MATH Elective (1 of 4) General Elective	3
ENG 151 Composition & Writing from Sources MATH 220 Calculus I Quantitative Literacy (QL) Communication Intensive (CI) Humanities I* (HUM)	3 4 3	ENG 152 Writing about Literature and Culture MATH Elective (1 of 4) General Elective	3
MATH 220 Calculus I Quantitative Literacy (QL) Communication Intensive (CI) Humanities I* (HUM)	4	MATH Elective (1 of 4) General Elective	3
Quantitative Literacy (QL) Communication Intensive (CI) Humanities I* (HUM)	3	General Elective	-
Communication Intensive (CI) Humanities I* (HUM)	3	General Elective	-
Humanities I* (HUM)	-		
	3		3
14 CR		Humanities II* (HUM)	3
	EDITS	15 0	CREDITS
FALL		SPRING	
MATH 221 Calculus II			
	-	MATH 222 Calculus III	4
	3	MATH 313 Mathematical Statistics II	3
8			
II** (SS) OR			
MKT 206 Principles of Marketing	3	MATH Elective (2 of 4)	3
Humanities III* (HUM)	-	200-level Writing Intensive (WI)	3
General Elective	3	Scientific Reasoning - Lab (SR-L)	4
16 CR	EDITS	170	CREDITS
FALL		SPRING	
MATH 326 Linear Algebra	3	MATH 442 Numerical Analysis	3
MATH Elective (3 of 4)	3	Humanities IV* (HUM)	3
	0		
ACC,EC,FMER,INBUS,IS,MGT,MKT)	3		3
General Elective	3		3
			3
			CREDITS
	LDIIO	10.	
FALL		SPRING	
MATH 450/460/460H Research Capstone or			
MATH 455/465/465H Internship Capstone	5-		
300/400-level Writing Intensive (WI)	9	MATH 418 Mathematical Modeling	3
MATH Elective (4 of 4)	3	MATH 425 Scientific Computer Programming	3
Fine Arts (FA)	3	General Elective	3
General Elective	3	General Elective	3
		General Elective, if needed	3
14-18 CREDITS		12-15 CREDITS	
	MATH 221 Calculus II Quantitative Literacy (QL) MATH 312 Mathematical Statistics I Business Track Elective ACC 140 Financial Accounting OR MGT 204 Principles of Management - Social Science II** (SS) OR MKT 206 Principles of Marketing Humanities III* (HUM) General Elective <b>16 CR</b> <b>FALL</b> MATH 326 Linear Algebra MATH Elective (3 of 4) Business Track Elective (Choose any course from: ACC,EC,FMER,INBUS,IS,MGT,MKT) General Elective <b>15 CR</b> <b>FALL</b> MATH 450/460/460H Research Capstone or MATH 455/465/465H Internship Capstone <b>300</b> /400-level Writing Intensive (WI) MATH Elective (4 of 4) Fine Arts (FA) General Elective	MATH 221 Calculus II       4         Quantitative Literacy (QL)       4         MATH 312 Mathematical Statistics I       3         Business Track Elective       3         ACC 140 Financial Accounting OR       MGT 204 Principles of Management - Social Science         II** (SS) OR       3         MKT 206 Principles of Marketing       3         Humanities III* (HUM)       3         General Elective       3 <b>16 CREDITS FALL</b> MATH 326 Linear Algebra       3         MATH 206 Linear Algebra       3         Business Track Elective (Choose any course from:       ACC,EC,FMER,INBUS,IS,MGT,MKT)         ACC,EC,FMER,INBUS,IS,MGT,MKT)       3         General Elective       3         General Elective       3 <b>15 CREDITS FALL</b> MATH 450/460/460H Research Capstone or         MATH 455/465/465H Internship Capstone       5-         300/400-level Writing Intensive (WI)       9         MATH Elective (4 of 4)       3         Fine Arts (FA)       3         General Elective       3	MATH 221 Calculus II     4     MATH 222 Calculus III       Quantitative Literacy (QL)     4     MATH 222 Calculus III       MATH 312 Mathematical Statistics I     3     MATH 313 Mathematical Statistics II       Business Track Elective     3     MATH 313 Mathematical Statistics II       ACC 140 Financial Accounting OR     3     MATH 220 Principles of Management - Social Science       If** (SS) OR     3     MATH Elective (2 of 4)       Humanities II* (HUM)     3     200-level Writing Intensive (WI)       General Elective     3     Scientific Reasoning - Lab (SR-L) <b>16 CREDITS FALL</b> SPRING       MATH 326 Linear Algebra     3       MATH 412 Numerical Analysis     MATH 442 Numerical Analysis       MATH 442 Numerical Analysis       MATH 412 Science II** (SS), if needed or       General Elective (Choose any course from: AcC, EC, FMER, INBUS, IS, MGT, MKT)       Social Science II** (SS), if needed or       General Elective <b>15 CREDITS 15 CREDITS 15 CREDITS</b> MATH 450/460/460H Research Capstone or       MATH 455/465/460H Research Capstone or       MATH 455/465/460H Research Capstone or       MATH 455/466

#### **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 301 Mathematical Structures
- MATH 321 Differential Equations
- 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