# Applied Mathematics / BS Degree
# Actuarial Track

| YEAR 1 | | | | |
|---|---|---|---|---|
| SEMESTER | **FALL 2021** | | **SPRING 2022** | |
| | INT 100 Principles of Academic Integrity | 0 | EC 201 Macroeconomics<br>Social Science I** (SS) | 3 |
| | FYS 100 First Year Seminar | 1 | | |
| | ENG 151 College Writing I | 3 | ENG 152 College Writing II | 3 |
| | MATH 220 Calculus I<br>Quantitative Literacy (QL) | 4 | MATH 221 Calculus II<br>Quantitative Literacy (QL) | 4 |
| | Communication Intensive (CI) | 3 | Fine Arts (FA) | 3 |
| | Humanities I* (HUM) | 3 | Humanities II* (HUM) | 3 |
| **CREDITS** | **14 CREDITS** | | **16 CREDITS** | |
| YEAR 2 | | | | |
| SEMESTER | **FALL 2022** | | **SPRING 2023** | |
| | MATH 222 Calculus III *(Offered fall)* | 4 | MATH Elective (1 of 3) | 3 |
| | MATH 312 Mathematical Statistics I<br>*(Offered fall, even years)* | 3 | MATH 313 Mathematical Statistics II<br>*(Offered spring, odd years)* | 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** | | **15 CREDITS** | |
| YEAR 3 | | | | |
| SEMESTER | **FALL 2023** | | **SPRING 2024** | |
| | MATH 425 Scientific Computer Programming<br>*(Offered fall, odd years)* | 3 | MATH 342 Time Series Analysis *(Offered spring)* | 3 |
| | MATH Elective (2 of 3) | 3 | MATH 418 Mathematical Modeling<br>*(Offered spring, even years)* | 3 |
| | FIN 300 Principles of Finance | 3 | Humanities IV* (HUM) | 3 |
| | Scientific Reasoning - Lab (SR-L) | 4 | Social Science II** (SS) | 3 |
| | General Elective | 3 | General Elective | 3 |
| **CREDITS** | **16 CREDITS** | | **15 CREDITS** | |
| YEAR 4 | | | | |
| SEMESTER | **FALL 2024** | | **SPRING 2025** | |
| | MATH 326 Linear Algebra *(Offered fall, even years)* | 3 | MATH 475 Capstone Seminar<br>300/400-Level Writing Intensive (WI) | 3 |
| | MATH 420 Actuarial Math *(Offered fall, even years)* | 3 | MATH 470 or 471 Capstone Internship[1] | 3/6 |
| | General Elective | 3 | MATH Elective (3 of 3)[1] or General Elective | 3 |
| | General Elective | 3 | General Elective | 3 |
| | General Elective | 3 | General Elective, if needed | 3 |
| **CREDITS** | **15 CREDITS** | | **15 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.

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
0-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