



Associate of Arts to Bachelor of Arts in Mathematics with a Concentration in Actuarial Science

The following is presented as an articulation agreement between South Suburban College (SSC) and Governors State University (GSU) for the Mathematics – Actuarial Science degree program based on the current catalogs of both schools. The student would receive an Associate of Arts (AA) degree from SSC and a Bachelors of Arts (BA) degree in Mathematics with a Concentration in Actuarial Science from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (49-50 Hours)

Communications (9 hours)

- ENG 101 - Composition and Rhetoric (3)
- ENG 102 - Composition and Literature (3)
- SPE 108 - Speech Fundamentals (3)

Humanities and Fine Arts (9 hours)

- Fine Arts Course (3)*
- Humanities Course (3)*
- Humanities or Fine Arts Course (3)*

Mathematics (15 hours)

- MTH 190 - Calculus and Analytical Geometry I (5) (Meets MATH 2290)
- MTH 203 - Calculus & Analytical Geometry II (5) (Meets MATH 2292)
- MTH 204 - Calculus & Analytical Geometry III (5) (Meets MATH 2294)

Physical and Life Sciences (7-8 hours)

- Life Science Course (3-4)*
- PHY 210 - University Physics I (4) (Meets PHYS 21/71/2172)

Social and Behavioral Sciences (9 hours)

- ECO 201 - Principles of Economics, Macro (3) (Meets ECON 2302)
- ECO 202 - Principles of Economics, Micro (3) (Meets ECON 2301)
- Social and Behavioral Science Course – Non-Economics (3)*

II. ADDITIONAL GENERAL EDUCATION REQUIREMENT (1 hour)

- OCS 121 - Overview for College Success (1)

III. AREA OF CONCENTRATION/MAJOR FIELD (14 Hours)

- CS 121 - Computer Programming (4) (Meets Computer Science Selective)
- MTH 200 - Introduction to Linear Algebra (3) (Meets MATH 2449)
- MTH 205 - Differential Equations (3) (Meets MATH 2271)
- PHY 211 - University Physics II (4) (Meets PHYS 2181/2182)

REQUIRED A.A. DEGREE PROGRAM TOTAL: 62 Hours (64-65 hours as written)

*** Refer to the SSC AA/AS guidelines for a list of course choices in Section I.**

Note: Students are strongly encouraged to complete up to 80 hours at SSC by taking courses from Section IV and/or additional electives which will reduce the GSU Electives.

Transfer Guide



IV. TO BE COMPLETED AT SSC OR GSU (3-4 Hours)

Financial Accounting (3-4) (SSC ACC 120 or GSU ACCT 2110)

V. TO BE COMPLETED AT GSU (51-53 hours)

Core Courses (30-33 hours)

- MATH 3099 - Junior Seminar: Discrete Mathematics (3)
- MATH 4229 - Advanced Calculus (3)
- MATH 4241 - Analysis I: Real Variables (3)
- MATH 4250 - Mathematical Statistics (3)
- MATH 4350 - Foundations of Actuarial Science (4)
- MATH 4450 - Theory of Interest (4)
- MATH 4557 - Probability (3)
- MATH 4637 - Mathematics Laboratory (3)
- MATH 4800 - Mathematics Internship (1-4)
- STAT 4219 - Statistical Methods (3)

Concentration Courses (15 hours)

- ECON 4101 - Econometrics I (3)
- FIN 3110 - Principles of Financial Management (3)
- FIN 3501 - Investments (3)
- FIN 4501 - Financial Options and Futures (3)
- FIN 4502 - Advanced Investments (3)

Electives (3-8 hours)

Minimum Required for the BA in Mathematics with Actuarial Science: 120 Hours

For Additional Information:

Governors State University

Office of Admission

(708) 534-4490

TransferGuide@govst.edu

[Visit the College or Arts and Sciences at](http://www.govst.edu/cas)

www.govst.edu/cas

South Suburban College

Counseling & Transfer Center

(708) 596-2000 Ext. 2241

[Visit South Suburban College at](http://www.ssc.edu)

www.ssc.edu

GSU Transfer Guide 2.25.2020

