

Associate of Arts to Bachelor of Arts in Mathematics – Actuarial Science

The following is presented as an articulation agreement between Triton College 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 Triton College and a Bachelors of Arts (BA) in Mathematics with a concentration in Actuarial Science degree from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (49-50 Hours) Communications (9 hours)

- RHT 101 - Rhetoric and Composition (3)
- RHT 102 - Rhetoric and Composition (3)
- SPE 101 - Effective Speaking (3)

Humanities and Fine Arts (9 hours)

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

Mathematics (15 hours)

- MAT 131 - Calculus & Analytical Geometry I (5) (Meets MATH 2290)
- MAT 133 - Calculus & Analytical Geometry II (5) (Meets MATH 2292)
- MAT 235 - Calculus & Analytical Geometry III (5) (Meets MATH 2294)

Physical and Life Sciences (7-8 hours)

- Life Science Course (3-4)*
- PHY 106 - General Physics-Mechanics (4) (Meets PHYS 2171/2172)

Social and Behavioral Sciences (9 hours)

- ECO 102 - Macroeconomics (3) (Meets ECON 2302)
- ECO 103 - Microeconomics (3) (Meets ECON 2301)
- Social and Behavioral Science course – non-Economics (3)*

II. AREA OF CONCENTRATION/MAJOR FIELD (10 Hours)

- CIS 195 - Programming for Engineers (3) (Meets Computer Science Selective)
- MAT 224 - Linear Algebra (3) (Meets MATH 2449)
- PHY 107 - General Physics-Electricity, Magnetism, and Thermodynamics (4)
(Meets PHYS 2181/2182)
- Free Elective (0-1)*

REQUIRED A.A. DEGREE PROGRAM TOTAL: 60 Hours

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

****Student must satisfy the Multicultural Diversity requirement within either the Humanities or Social Science section.**

Note: Students are strongly encouraged to complete **up to 80** hours at TC by taking additional electives which will reduce the GSU Electives.

III. TO BE COMPLETED AT EITHER TRITON OR GSU (6 Hours)

Financial Accounting (3-4) (TC ACC 101 or GSU ACCT 2110)
Differential Equations (3) (TC MAT 341 or GSU MATH 2271)

IV. TO BE COMPLETED AT GSU (54-56 hours)

Core Courses (30-34 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 (5-11 hours)

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

For Additional Information:

Governors State University

Office of Admissions

(708) 534-4490

TransferGuide@govst.edu

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

www.govst.edu/cas

Triton College

Transfer Center

Nelly Marcial, M.Ed.

708-456-0300 ext. 3644

[Visit Triton College at www.triton.edu](http://www.triton.edu)

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