

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

The following is presented as an articulation agreement between Kankakee Community College (KCC) and Governors State University (GSU) for the Mathematics with a concentration in Actuarial Science degree program based on the current catalogs of both schools. The student would receive an Associate of Arts (AA) degree from KCC and a Bachelor of Arts (BA) degree in Mathematics with a concentration in Actuarial Science from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM (47-48 Hours) Communications (9 hours)

- ENGL 1613 - English I (3)
- ENGL 1623 - English II (3)
- SPCH 1553 - Introductory Speech (3)

Humanities and Fine Arts (9 hours)

- Fine Arts Course (3)*
- Humanities Course (3)*
- Non-Western Culture Humanities course (3)*

Mathematics (13 hours)

- MATH 2515 - Calculus with Analytical Geometry I (5) (Meets MATH 2290)
- MATH 2524 - Calculus with Analytical Geometry II (4) (Meets MATH 2292)
- MATH 2534 - Calculus with Analytical Geometry III (4) (Meets MATH 2294)

Physical and Life Sciences (7-8 hours)

- Life Science Course (3-4)*
- PHYS 2614 - Physics I (4) (Meets PHYS 2171/2172)

Social and Behavioral Sciences (9 hours)

- ECON 1553 - Principles of Macroeconomics (3) (Meets ECON 2302)
- ECON 1563 - Principles of Microeconomics (3) (Meets ECON 2301)
- Social and Behavioral Science Course – Non-Economics (3)*

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

- MATH 2613 - Differential Equations (3) (Meets MATH 2271)
- PHYS 2624 - Physics II (4) (Meets PHYS 2181/2182)
- Select one of the following to meet Computer Science Selective:
COSC 1513, COSC 2513 or COSC 2613 (3)

III. ELECTIVES (6-7 Hours)

REQUIRED A.A. DEGREE PROGRAM TOTAL: 64 Hours

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

Transfer Guide



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

Financial Accounting (3-4) (KCC ACCT 1514 or GSU ACCT 2110)

V. TO BE COMPLETED AT GSU (52-53 Hours)

Core Courses (33-36 hours)

- MATH 2449 - Linear Algebra (3)
- MATH 3099 - Junior Seminar: Discrete Mathematics (3)
- MATH 4229 - Advanced Calculus (3)
- MATH 4241 - Analysis I: Real Variables (3)
- MATH 4250 - Applied Statistics – Time Series (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 - 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 (1-5 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 of Arts and Sciences at
www.govst.edu/cas](http://www.govst.edu/cas)

**Kankakee Community College
Transfer Center
(815) 802-8208**

[Visit Kankakee Community College at
www.kcc.edu/transfer](http://www.kcc.edu/transfer)

GSU Transfer Guide 1.17.2020

