

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

The following is presented as an articulation agreement between College of DuPage (COD) and Governors State University (GSU) for the Mathematics with a concentration in Actuarial Science degree program based on the current catalogs for both institutions. The student would receive an Associate in Arts or Science (AA/AS) degree from COD and a Bachelors of Arts (BA) degree in Mathematics with a concentration in Actuarial Science from GSU

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (40 Hours) Communications (9 hours)

- English 1101 - English Composition I (3)
- English 1102 - English Composition II (3)
- Speech 1100 - Fundamentals of Speech Communications (3)

Humanities and Fine Arts (9 hours)

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

Mathematics (5 hours)

- MATH 2231 - Calculus & Analytic Geometry I (5) (Meets MATH 2290)

Physical and Life Sciences (8 hours)

- Life Science Course (3)*
- PHYSI 2111 - Physics for Science & Engineering I (5) (Meets PHYS 2171/2172)

Social and Behavioral Sciences (9 hours)

- ECONO 2201 - Macroeconomics (3) (Meets ECON 2302)
- ECONO 2202 - Microeconomics (3) (Meets ECON 2301)
- Social and Behavioral Science Course - Non-Economics (3)*

II. AREA OF CONCENTRATION/MAJOR FIELD (19 Hours)

- MATH 2232 - Calculus & Analytic Geometry II (5) (Meets MATH 2292)
- MATH 2233 - Calculus & Analytic Geometry III (5) (Meets MATH 2294)
- MATH 2270 - Differential Equations (4) (Meets MATH 2271)
- PHYSI 2112 - Physics for Science & Engineering II (5) (Meets PHYS 2181/2182)

III. ADDITIONAL ASSOCIATE DEGREE REQUIREMENTS (3-6 Hours)

- Contemporary Life Skills Course (3)
- Global/Multicultural Studies (0-3) (can be completed in humanities or social behavioral sciences)

IV. ELECTIVES (0-2 Hours)

REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 64 Hours

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

Note: Students can complete up to 80 hours at COD by taking course from section V.

V. TO BE COMPLETED AT COD OR GSU (12-15 Hours)

Computer Science Selective (3-4) (COD CIS 1150 or GSU CPSC 2005 or CPSC 3120 or CPSC 3142/3143)

Discrete Mathematics (3) (COD MATH 2115 or GSU MATH 2150)

Financial Accounting (3-4) (COD ACCOU 2140 or GSU ACCT 2110)

Linear Algebra (3-4) (COD MATH 2245 or GSU MATH 2449)

VI. TO BE COMPLETED AT GSU (41-44 Hours)

Core Courses (27 hours)

MATH 4133	- Number Theory (3)
MATH 4229	- Advanced Calculus (3)
MATH 4241	- Analysis I: Real Variables (3)
MATH 4250	- Mathematical Statistics (3)
MATH 4451	- Modern Algebra (3)
MATH 4557	- Probability (3)
MATH 4637	- Mathematics Laboratory (3)
MATH 4970	- Capstone Internship (3)
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 (0-2 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
www.govst.edu/cas

College of DuPage
Academic Affairs
630-942-2880