

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

The following is presented as an articulation agreement between City Colleges of Chicago (CCC) and Governors State University (GovState) 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 one of the CCC and a Bachelors of Arts (BA) degree in Mathematics with a concentration in Actuarial Science from GovState.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (40-42 Hours)

Communications (9 hours)

ENG 101 - Composition (3) ENG 102 - Composition (3)

SPEECH 101 - 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 207 - Calculus and Analytic Geometry I (5) (Meets MATH 2290)

Physical and Life Sciences (8-10 hours)

Life Science Course (3-4)* (BIOLOGY 121 recommended)

PHYSICS 221 **or** 231 **or** 235 - Mechanics, Waves and Heat **or** General Physics I **or** Engineering Physics I (4-5) (Meets PHYS 2171/2172)**

Social and Behavioral Sciences (9 hours)

ECON 201 - Principles of Economics I (3) (Meets ECON 2302) ECON 202 - Principles of Economics II (3) (Meets ECON 2301)

Social and Behavioral Science Course - Non-Economics (3)*

II. ADDITIONAL COLLEGE REQUIREMENTS (0)*

Human Diversity Requirement (0) (This requirement can be fulfilled within the humanities or social behavioral sciences category by selecting a course with an IAI code ending in N or D.)

III. AREA OF CONCENTRATION/MAJOR FIELD (20-21 Hours)

MATH 208 - Calculus and Analytic Geometry II (5) (Meets MATH 2292)
MATH 209 - Calculus and Analytic Geometry III (5) (Meets MATH 2294)

MATH 210 - Differential Equations (3) (Meets MATH 2271)

MATH 212 - Linear Algebra (3) (Meets MATH 2449)

PHYSICS 222 **or** 232 **or** 236 - Electricity, Light and Modern Physics **or** General Physics II **or** Engineering Physics II (4-5) (Meets PHYS 2181/2182)**

REQUIRED A.A. DEGREE PROGRAM TOTAL: 60 Hours (60-63 hours as written)

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

**PHYSICS 235/236 sequence preferred for BA in Mathematics transfers. PHYSICS 231/232 or PHYSICS 221/222 will be accepted.

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TRANSFER GUIDE

CITY COLLEGES°

IV. TO BE COMPLETED AT CCC OR GovState (6-8 Hours)

Computer Science Selective (3-4) (CCC CIS 101 or CIS 103 or GovState CPSC 2005, 3120, 3142 or 3143)

Financial Accounting (3-4) (CCC BUSINES 181 or GovState ACCT 2110)

V. TO BE COMPLETED AT GovState (49-54 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 (4-6 hours)

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

For more information: Governors State University

Jaguar Transfer Evaluator at https://govst.transfer.degree/

College of Arts and Sciences website at www.govst.edu/cas

City Colleges of Chicago Transfer Centers

Richard J. Daley College (773) 838-7690 Harold Washington College (312) 553-5778 Kennedy-King College

(773) 602-5285

Malcolm X College (312) 850-7088

Olive- Harvey College (773) 291-6537

Harry S Truman College

(773) 907-4424

Wilbur Wright College

(773) 481-8200

GovState Transfer Guide 05/08/2024

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