

Associate of Arts or Science to Bachelor of Arts in Mathematics

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

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (46 Hours)

Communications (9 hours)

- ENG 101 - Rhetoric I (3)
- ENG 102 - Rhetoric II (3)
- SPE 101 - Principles of Public Speaking (3)

Humanities and Fine Arts (9 hours)

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

Mathematics (10 hours)

- MAT 201 - Calculus I (5) (Meets MATH 2290)
- MAT 202 - Calculus II (5) (Meets MATH 2292)

Physical and Life Sciences (9 hours)

- Life Science Course with Lab (4)*
- PHY 101 - General Physics I (5) (Meets PHYS 2171/2172)

Social and Behavioral Sciences (9 hours)

Select three courses in at least two different disciplines. One course should meet the cultural diversity requirement.

- Social and Behavioral Science Courses (9)*

II. HEALTH TECHNOLOGY AND COLLEGE READINESS (2 hours)

Refer to the MC AA/AS guidelines for a list of course choices.

III. AREA OF CONCENTRATION/MAJOR FIELD (15 Hours)

- Computer Science Course: (MC CPS 111, CPS 200 or CPS 210) (3)
(Meets Computer Science Selective)
- MAT 203 - Calculus III (4) (Meets MATH 2294)
- MAT 215 - Differential Equations (3) (Meets MATH 2271; Math Selective)
- PHY 102 - General Physics II (5) (Meets PHYS 2181/2182)

REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 62 Hours (63 hours as written)

*** Refer to the MC AA/AS guidelines for a list of course choices in Sections I - II.**

Note: Students can complete up to 80 hours at MC by taking additional electives reducing the GSU Electives.

IV. TO BE COMPLETED AT GSU (57 Hours)

Required Core Courses (18 hours)

- MATH 2449 - Linear Algebra (3)
- MATH 3099 - Junior Seminar: Discrete Mathematics (3)
- MATH 4133 - Number Theory (3)
- MATH 4241 - Analysis I: Real Variables (3)
- MATH 4451 - Modern Algebra (3)
- MATH 4993 - Mathematics Senior Capstone (3)

Course Category Selectives (9-10 hours)

Category 1: Select one of the following—

- MATH 4250 - Applied Statistics – Time Series (3)
- MATH 4557 - Probability (3)
- STAT 4219 - Statistical Methods (3)

Category 2: Select one of the following –

- MATH 4229 - Advanced Calculus (3)
- MATH 4342 - Analysis II: Complex Variable (3)

Category 3: Select one of the following –

- MATH 4337 - Modern Geometry (3)
- MATH 4373 - Topology (3)

Mathematics Selectives (12-17 hours)

See Catalog and Advisor for assistance in selecting these courses.

Electives (12-18 hours)

Minimum Required for the BA in Mathematics: 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
www.govst.edu/cas](http://www.govst.edu/cas)

Morton College
Transfer Center

(708) 656-8000 Ext 245

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