



## Associate of Arts or Science to Bachelor of Arts in Mathematics

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

### I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (49 Hours)

#### Communications (9 hours)

- COM 101 - Composition I (3)
- COM 102 - Composition II (3)
- COM 103 - Speech Fundamentals (3)

#### Humanities and Fine Arts (9 hours)

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

#### Mathematics (14 hours)

- MTH 150 - Calculus I/Analytic Geometry (5) (Meets MATH 2290)
- MTH 151 - Calculus II/Analytic Geometry (5) (Meets MATH 2292)
- MTH 152 - Calculus III/Analytic Geometry (4) (Meets MATH 2294)

#### Physical and Life Sciences (8 hours)

- Life Science with Lab (4)\*
- PHY 203 - Mechanics (4) (Meets PHYS 2171-2172)

#### Social and Behavioral Sciences (9 hours)

Select three courses from social and behavioral sciences in at least two different disciplines. (9)\*

### II. ADDITIONAL MVCC DEGREE REQUIREMENT (3 Hours)

Select three credit hours from Humanities and Fine Arts or Social/Behavioral Sciences listed above or one of the following ARB 101, 102, or 201; FRE 101,102, or 201; or SPA 101, 102, or 201.

### III. AREA OF CONCENTRATION/MAJOR FIELD (13 Hours)

- IMS 115 - Intro to PC Applications (3) (Meets Comp Sci Selective at GSU)
- MTH 201 - Differential Equations (3) (Meets MATH 2271)
- MTH 210 - Linear Algebra (3) (Meets MATH 2449)
- PHY 204 - Heat, Electricity and Magnetism (4) (Meets PHYS 2181/2182)

### REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 62 Hours (65 Hours as written)

**\* Refer to the MVCC AA/AS guidelines for a list of course choices in Section I-III.**

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

# Transfer Guide



## IV. TO BE COMPLETE AT GSU (55 Hours)

### Required Core Courses (15 hours)

- MATH 3099 - Junior Seminar (3)
- MATH 4133 - Number Theory (3)
- MATH 4241 - Analysis I: Real Variables (3)
- MATH 4451 - Modern Algebra (3)
- MATH 4493 - Mathematics Senior Capstone (3)

### Required Course Categories (9)

Select **ONE** course from each of the following categories:

#### Category 1:

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

#### Category 2:

- MATH 4229 - Advanced Calculus (3)
- MATH 4243 - Analysis II: Complex Variable (3)

#### Category 3:

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

### Selective Hours (12-15 Hours)

Please work with advisor to select courses from approved list. 12 hours if MTH 201/MATH-2271 taken at MVCC)

### Elective (16-19 hours)

## Minimum Required for the BA in Mathematics: 120 Hours

### For Additional Information:

Governors State University  
GSU Jaguar Transfer Evaluator at  
<https://govst.transfer.degree/>

Moraine Valley Community College  
Academic Advising  
(708) 974-5753

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

Visit Moraine Valley Community  
College at [www.morainevalley.edu](http://www.morainevalley.edu)

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