

# Morton College and Governors State University

## Transfer Guide for Associate of Arts Mathematics, 2010-2011

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 2010-11 catalogs of both schools. The student would receive an Associate of Arts (AA) degree from MC and a Bachelor of Arts (BA) degree in Mathematics from GSU.

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (37-41 credits)** (Refer to the AA/AS Degree Guidelines for a list of courses in Section I)

#### **Communications (9 credits)**

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

#### **Humanities and Fine Arts (9 credits)**

- One Humanities course (3)\*
- One Fine Arts course (3)\*
- One Humanities or Fine Arts course (3)\*

#### **Mathematics (5 credits)**

- MAT 201 - Calculus I (5)

#### **Physical and Life Sciences (10 credits)**

Select one life science course and one physical science course. One course must have a lab.

- BIO 110 - Biology – Cellular Approach (5)
- PHY 105 - Physics I (5)

#### **Social and Behavioral Sciences (9 credits)**

Social and Behavioral Science Courses (from at least two disciplines) (9)\*

### **II. AREA OF CONCENTRATION/MAJOR FIELD (20 credits)**

- MAT 202 - Calculus II (5)
- MAT 203 - Calculus III (4)
- MAT 215 - Differential Equations (3)
- PHY 205 - Physics II (5)
- CPS 111 - Business Computer Systems (3)

### **REQUIRED A.S. DEGREE PROGRAM TOTAL: 62 credits**

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

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### III. TO BE COMPLETED AT GSU:

#### Required Courses: (29 hours)

- MATH 340 - Discrete Math (3)
- MATH 337 - Euclidean and Non-Euclidean Geometry (3)
- MATH 393 - Mathematics Laboratory (2)
- MATH 440 - Linear Algebra (3)
- MATH 460 - Modern Algebra (3)
- MATH 465 - Number Theory (3)
- MATH 472 - Analysis I: Real Variables (3)
- MATH 474 - Analysis II: Complex Variables (3)
- MATH 505 - History of Mathematics (3)
- MATH 540 - Introduction to Probability (3)

#### Selective Hours (6)

Select two courses from the following or other courses approved by academic advisor

- MATH 490 -Advanced Calculus (3)
- MATH 531 - Topology (3)
- STAT 520 - Statistical Methods (3)

Or other mathematics courses approved by the academic advisor.

#### Elective (23hours)

### Required for the BA in Mathematics: 120 hours

**For Additional Information:  
Governors State University  
Office of Admissions  
(708) 534-4490  
gapply@govst.edu  
www.govst.edu/articulation  
www.govst.edu/cas**

**Morton College  
Transfer Center  
(708) 656-8000 ext 245**