

## **Associate of Arts or Science to Bachelor of Arts in Mathematics with Teacher Education**

The following is presented as an articulation agreement between Joliet Junior College (JJC) and Governors State University (GSU) for the Mathematics – Teacher Education degree program based on the current catalogs of both schools. The student would receive an Associate of Arts or Science (AA/AS) degree from JJC and a Bachelor of Arts (BA) degree in Mathematics with Teacher Education from GSU. **The BA in Mathematics – Teacher Education program has special admissions requirements; please refer to the GSU catalog.**

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (42 Hours)** **Communications (9 hours)**

- ENG 101 - Rhetoric (3)
- ENG 102 - Rhetoric (3)
- SPCH 101 - Principles of Speech (3)

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

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

#### **Mathematics (5 hours)**

- MATH 170 - Calculus with Analytical Geometry I (5) (Meets MATH 2290)

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

- BIO 151 - General Biology I (5) (Meets BIOL 1500/1501)
- PHYS 201 - Engineering Physics I (5) (Meets PHYS 2171/2172)

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

- HIST 103 - History of the United States to 1865 (3) (Meets HIST 1110) **OR**
- HIST 104 - History of the United States, 1865 to Present (3) (Meets HIST 1120)
- PSCI 101 - American National Government (3) (Meets POLS 2100)
- PSYC 101 - General Psychology (3) (Meets PSYC 1101)

### **II. AREA OF CONCENTRATION/MAJOR FIELD (22 hours)**

- EDUC 101 - Introduction to Education (3) (Meets EDUC 2310)
- MATH 171 - Calculus with Analytical Geometry II (4) (Meets MATH 2292)
- MATH 172 - Calculus with Analytical Geometry III (4) (Meets MATH 2294)
- MATH 210 - Linear Algebra (3) (Meets MATH 2449)
- MATH 220 - Differential Equations and Orthogonal Functions (3)  
(Meets MATH 2271)
- PHYS 202 - Engineering Physics II (5) (Meets PHYS 2181/2182)

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

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

# Transfer Guide



## III. TO BE COMPLETE AT JJC OR GSU (6 Hours)

- Educational Technology (JJC EDUC 115 or GSU EDUC 2101) (3)
- Special Education (JJC EDUC 240 or GSU SPED 2100) (3)

## IV. TO BE COMPLETED AT GSU (51 Hours)

### Required Core Courses (30 hours)

- MATH 3099 - Junior Seminar: Discrete Mathematics (3)
- MATH 4133 - Number Theory (3)
- MATH 4171 - History of Mathematics (3)
- MATH 4241 - Analysis I: Real Variables (3)
- MATH 4243 - Analysis II: Complex Variables (3)
- MATH 4337 - Modern Geometry (3)
- MATH 4451 - Modern Algebra (3)
- MATH 4557 - Probability (3)
- MATH 4637 - Mathematics Laboratory (3)
- STAT 4219 - Statistical Methods (3)

### Required Education Courses (21 hours)

- EDUC 3440 - Educational Psychology II (3)
- EDUC 4360 - Principles of Secondary Mathematics Education (3)
- EDUC 4370 - Teaching Secondary School Mathematics (3)
- EDUC 4999 - Student Teaching; Senior Capstone (12)

**Minimum Required for the BA in Mathematics with Teacher Education: 120 Hours**  
(121 hours as written)

**For Additional Information:**  
**Governors State University**  
**Office of Admission**  
**(708) 534-4490**  
[TransferGuide@govst.edu](mailto:TransferGuide@govst.edu)  
[www.govst.edu/cas](http://www.govst.edu/cas)

**Joliet Junior College**  
**Career and Transfer Center**  
**(815) 280-2449**  
[Visit Joliet Junior College at www.jjc.edu](http://www.jjc.edu)

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