

## Associate of Arts to Bachelor of Arts in Mathematics

The following is presented as an articulation agreement between City Colleges of Chicago (CCC) and Governors State University (GovState) for the Mathematics degree program based on the current catalogs of both schools. The student would receive an Associate in Arts (AA) degree from one of the CCC and a Bachelors of Arts (BA) degree in Mathematics from GovState.

### I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (40-41 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 (8-9 hours)

- Life Science Course with Lab (4)\*
- 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)

- Select three courses in at least two different disciplines
- Social and Behavioral Science Courses (9)\*

### 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)

- CIS 101 or 103 - Computer Science or Computer Information Systems (3) (Meets Computer Science Selective)
- MATH 208 - Calculus and Analytic Geometry II (5) (Meets MATH 2292)
- MATH 209 - Calculus and Analytic Geometry III (5) (Meets MATH 2294)
- 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** (60-62 hours as written)

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

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

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

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## IV. TO BE COMPLETED AT GovState (58-60 Hours)

### Required Courses (15 hours)

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)

### Required Course Category Selective Hours (9 hours)

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)

### Mathematics Selectives (15-17 hours)

See GovState catalog or advisor for course options.

### Electives (17-21 hours)

0-4 hours required to be completed at the 3000+ level in order to complete the minimum of 40 upper division hours.

## Minimum Required for the BA in Mathematics: 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](http://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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