Associate of Arts in Teaching - Mathematics

ABOUT OUR PROGRAM
This program is designed for students who aspire to become secondary school math teachers. Students must meet general education course requirements prior to enrolling in the sequence of undergraduate teacher education courses. Ultimately, students in this program can transfer to a wide variety of public and private baccalaureate colleges and universities in Illinois to complete their degree in teacher education in math. For a list of these four-year institutions, students should contact an HCC advisor.

SPECIAL CONSIDERATIONS
The Associate of Arts in Teaching (AAT) Mathematics consists of 55 credits in general education courses and 9 credits in undergraduate teacher education courses. Total number of credits required for the AAT in Math is 64. Passing a Basic Skills test is required of students as they progress through the program.

Communications 9 Semester Hours
All courses are 3 credit hours
ENGL 121  Rhetoric and Composition I *
ENGL 122  Rhetoric and Composition II *
SPCH 191  Fundamentals of Speech

* A grade of “C” or better is required.

Humanities and Fine Arts 9 Semester Hours
At least one course must be chosen from Fine Arts and one course from Humanities. All courses are 3 credit hours

Humanities (all courses are 3 credit hours)
ENGL 223  Introduction to Fiction
ENGL 224  Introduction to Poetry
ENGL 225  American Literature I
ENGL 226  American Literature II
ENGL 227  British Literature I
ENGL 228  British Literature II
ENGL 229  Introduction to Shakespeare
HUMA 104  Introduction to Humanities
HUMA 106  Introduction to Humanities II
PHIL 180  Survey of World Religions
PHIL 281  Introduction to Philosophy
PHIL 282  Ethics

Fine Arts (all courses are 3 credit hours)
ART 110  Introduction to Art
ART 215  Art History I
ART 216  Art History II
ART 219  Modern Art
HUMA 104  Introduction to Humanities
HUMA 106  Introduction to Humanities II
MUS 267  Introduction to Music
MUS 268  Introduction to Music of the USA
SPCH 290  Introduction to Film
THEA 196  Introduction to Theatre

Mathematics 17 Semester Hours
All Courses are required
MATH 168  Analytical Geometry and Calculus I (5)
MATH 268  Analytical Geometry and Calculus II (5)
MATH 269  Analytical Geometry and Calculus III (4)
MATH 270  Linear Algebra (3)
Physical and Life Science  8 Semester Hours
At least one course must be chosen from Life Sciences and one course from the Physical Sciences. Both courses must include a laboratory.

**Life Sciences**
- BIOL 110  Principles of Biology (4)
- BIOL 116  Introduction to Ecology (4)
- BIOL 120  Foundations of Anatomy and Physiology (5)
- BIOL 213  Anatomy and Physiology I (4)

**Physical Sciences**
- CHEM 120  General Chemistry (4)
- CHEM 123  General College Chemistry I (5)
- GEOL 126  Geology (4)
- NSCI 131  Physical Science w/ Lab (4)
- NSCI 132  Physical Geography (4)
- NSCI 133  Introduction to Astronomy w/ Lab (4)
- NSCI 232  Fundamentals of Meteorology w/ Lab(4)
- PHYS 141  Introductory Physics (4)
- PHYS 143  General Physics I (4)

Social and Behavioral Sciences  9 Semester Hours
At least one course must be chosen from HIST or POL and course selections will include two different subject areas. **SOCI 276 is required.** All courses are 3 credit hours.

- ECON 111  Principles of Economics I
- ECON 112  Principles of Economics II
- GEOG 132  Regional Geography of the World
- GEOG 233  Economic Geography
- HIST 141  Western Civilization to 1648
- HIST 142  Western Civilization 1648 to Present
- HIST 143  U.S. History I
- HIST 144  U.S. History II
- HIST 243  History of Africa I
- HIST 244  History of Africa II
- HIST 245  History of the Middle East
- POL 151  Introductions to Political Science
- POL 152  American Government and Politics
- POL 153  State and Local Government
- POL 253  International Relations
- POL 254  Introduction to Comparative Government
- PSY 161  Introduction to Psychology
- PSY 162  Child Psychology
- PSY 262  Human Growth and Development
- PSY 264  Social Psychology
- SOCI 171  Introduction to the Principles of Sociology
- SOCI 177  Introduction to Anthropology
- SOCI 271  Social Problems
- SOCI 274  The Family
- SOCI 276  Racism and Diversity in Contemporary Society

Professional Education  12 Semester Hours
EDUC 221/EDUC 222 is required. In conjunction with an advisor, a student may choose one course among EDUC 224 and EDUC 225, AND one course among PSY 261 and PSY 262 to complete the professional education requirement. All courses are 3 credit hours.

- EDUC 221  American Public School
- EDUC 222  Education as an Agent for Change
- *EDUC 221/222 are concurrent and same course
- EDUC 224  Introduction to Special Education
- EDUC 225  Educational Technology
- PSY 261  Educational Psychology
- PSY 262  Human Growth and Development

**MINIMUM HOURS FOR DEGREE:**  64 Semester Hours

**PROGRAM CONTACTS**
Call Highland at 815-235-6121 for the following program contacts:

Dr. Thompson Brandt, Dean, Humanities and Social Sciences
Ms. Vicki Schulz, Student Advisor
Associate of Arts in Teaching - Special Education

ABOUT OUR PROGRAM
This program provides students with the program equivalent of the first two years of most four-year college teacher education programs in special education. Students should check individual school requirements prior to transfer and before completing the curriculum as outlined.

The degree consists of general education courses, professional education courses, and courses in the special education major area. These courses encompass the eleven Illinois Professional Teaching Standards, the Core Technology Standards, the Core Language Arts Standards, and all appropriate Special Education Standards.

SPECIAL CONSIDERATIONS
Students must also pass the ITBS and develop a portfolio reflecting the Illinois Professional Teaching Standards to earn the Associate of Arts in Teaching in Special Education. Students are advised to complete the program prior to transfer. Transfer students obtaining the Associate of Arts in Teaching Special Education degree will be on “equal footing” with native four year institution students when seeking admission to an upper division special education degree program. Admission into baccalaureate degree programs is competitive and most senior institutions require a GPA of 2.5 or higher; completion of these courses alone does not guarantee admission.

Communications 9 Semester Hours
All courses are 3 credit hours
ENGL 121 Rhetoric and Composition I *
ENGL 122 Rhetoric and Composition II *
SPCH 191 Fundamentals of Speech
* A grade of “C” or better is required.

Humanities and Fine Arts 9 Semester Hours
All courses are 3 credit hours
ART 110 Introduction to Art
HUM 104 Introduction to Humanities
MUS 267 Introduction to Music

Mathematics 10 Semester Hours
MATH 164 Math for Elementary School Teachers (4)
MATH 174 Mathematics for Elementary Teachers II (3)
MATH 177 Statistics (3)

Physical and Life Science 8 Semester Hours
BIOL 110 Principles of Biology (4)
CHEM 120 General Chemistry (4)

Social and Behavioral Sciences 9 Semester Hours
All courses are 3 credit hours.
GEOG 132 Regional Geography of the World
-or-
HIST 142 Western Civilization 1648 to the Present
POL 152 American Government and Politics
PSY 161 Introduction to Psychology
Professional and Special Education Classes
18 Semester Hours

EDUC 221  American Public School
EDUC 222  Education as an Agent for Change
*EDUC 221/222 are concurrent and same course

EDUC 224  Introduction to Special Education
EDUC 225  Educational Technology
PSY 261   Educational Psychology
PSY 262   Human Growth and Development

Select one of following:
EDUC 204  Diversity of Schools and Society
ECE 124   Language and Literacy Dev. in Early Childhood

MINIMUM HOURS FOR DEGREE: 63 Semester Hours

PROGRAM CONTACTS
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Dr. Thompson Brandt, Dean, Humanities and Social Sciences
Ms. Vicki Schulz, Student Advisor