

# Sample Education Plan Associate in Arts (AA) Area of Focus: Mathematics/ Mathematics Education



Please note that the AA degree is not awarded in a specific major or focus area.

This is a SAMPLE plan to help guide you toward courses relevant to your interests while you are deciding on a transfer institution. Suggested courses are based on requirements of several four-year institutions and the Illinois Articulation Initiative (IAI) Mathematics Panel. Please note that requirements vary among four-year colleges and universities. It is important to check early with your transfer school and academic advisor to ensure you are taking appropriate courses and meeting all requirements. You will find transfer guides for specific universities on MCC's website:

[www.mchenry.edu/transfer](http://www.mchenry.edu/transfer).

## AA Degree Requirements: Area of Focus—Mathematics/Mathematics Education

Students are encouraged to complete an AA degree prior to transfer. A minimum of 60 credits is required for transfer as a junior into a bachelor's degree mathematics program.

Please refer to MCC's AA degree planning sheet in the current academic catalog for specific degree requirements and course options.

## Suggested Courses

GENERAL EDUCATION CORE CURRICULUM	CREDITS	OTHER COURSE REQUIREMENTS	CREDITS
<b>Communications</b>		<b>Diversity and Multicultural Studies</b>	
^ENG 151 Composition I	3	Two 3-credit hour courses are required. Courses that fulfill this requirement may be used to fulfill credits in Humanities/Fine Arts, Social/Behavioral Sciences, or Electives. See current catalog for complete list of Diversity & Multicultural Studies course options and how they apply toward degree requirements.	
^ENG 152 Composition II	3		
SPE 151 Introduction to Speech	3		
<b>Humanities and Fine Arts</b>		<b>Electives</b> (approximately 23 credits, will depend on credit value of your required course selections)	
IAI Fine Arts	3	<b>Recommended Courses (select with your advisor):</b>	
IAI Humanities	3	^MAT 165 College Algebra & Trigonometry	5
IAI Humanities or Fine Arts	3	(depends on math placement—prereq. for MAT 175)	
<b>Social and Behavioral Sciences</b>		^MAT 245 Calculus w/Analytic Geometry II	5
IAI Social & Behavioral Science	3	^MAT 255 Calculus w/Analytic Geometry III	4
(Recommended—PLT 151 US Government)		^MAT 253 or MAT 260 Linear Algebra or	3–4
IAI Social & Behavioral Science	3	Differential Equations	
(Recommended—HIS 170 or 172 US History I or II)		Foreign Language	0–16
IAI Social & Behavioral Science	3	Examples of other courses that may satisfy requirements at your transfer school:	
(Recommended—PSY 151 Intro to Psychology)		^CSC 121, ^CSC 122	
<b>^Physical and Life Sciences</b>		<b>Total Credits Required for AA Degree</b>	<b>60</b>
(7 credits, 1 lab course)		Many 4-year schools will accept a maximum of 60–64 transfer credits.	
IAI Physical Science (Recommended—^PHY 291	4		
Principles of Physics I)			
IAI Life Science	3–4		
<b>Mathematics</b>			
^MAT 175 Calculus w/Analytic Geometry I	3		
^Course has prerequisite(s)—Please reference the current academic catalog for prerequisites.			

## NOTE:

- An entire sequence should be taken at the same school (e.g. MAT 175, MAT 245, and MAT 255). Content may vary between institutions; completing sequence at a single institution is the best way to assure that neither credit nor content is lost in transfer.
- Your transfer school may require at least 1 year of foreign language. High school foreign language may or may not count. It is always recommended that the foreign language requirement be completed prior to transfer.
- The AA degree includes the IAI General Education Core Curriculum (GECC) package. Meet with an MCC academic advisor to learn more about the IAI GECC and transfer benefits.

For more information:  
[advising@mchenry.edu](mailto:advising@mchenry.edu) or (815) 479-7565  
[www.mchenry.edu/advising](http://www.mchenry.edu/advising)



### Transfer Notes

A bachelor's degree in a mathematics program prepares students for diverse careers by developing rigorous, logical thinking; an appreciation and familiarity with complex structures and algorithms; and the ability to learn technical material and abstract concepts.

Admission and specific course requirements vary among four-year institutions. Competency through the second, third, or fourth semester of a single foreign language may be an admission or a graduation requirement. Ask about the language requirement of the schools you are considering, and complete the required foreign language courses before transfer. In some cases, two years of foreign language study in high school will substitute for two semesters in college.

A mathematics major may pursue a program leading to state licensure as a high school teacher. Teachers in public schools are required to be licensed. Licensure requirements vary by state. Almost all states require that applicants to teacher education programs be tested for competency in basic skills and undergo a criminal background check.

### Transfer Schools

Many colleges and universities have the mathematics major. Following is a sample of Illinois public and private four-year institutions that offer mathematics programs:

- Augustana College
- Aurora University
- Benedictine University
- Bradley University
- Chicago State University
- Concordia University
- DePaul University
- Dominican University
- Eastern Illinois University
- Elmhurst College
- Governors State University
- Illinois Institute of Technology
- Illinois State University
- Illinois Wesleyan College
- Judson University
- Knox College
- Lake Forest College
- Lewis University
- Loyola University
- Millikin University
- Monmouth College
- National Louis University
- North Central College
- North Park University
- Northeastern Illinois University
- Northern Illinois University
- Northwestern University
- Olivet Nazarene University
- Rockford University
- Roosevelt University
- Southern Illinois University at Carbondale
- Southern Illinois University at Edwardsville
- Trinity International University
- University of Illinois at Chicago
- University of Illinois Springfield
- University of Illinois at Urbana/Champaign
- Western Illinois University
- Wheaton College

### Transfer Resources

[www.itransfer.org](http://www.itransfer.org)—iTransfer is a portal for transfer assistance in the state of Illinois. Find information about the Illinois Articulation Initiative and MyCreditsTransfer (Transferology—a nationwide transfer tool).

[www.mchenry.edu/transfer](http://www.mchenry.edu/transfer)—Find transfer guides, course equivalencies, partnership agreements, and other transfer resources.