

## ASSOCIATE IN SCIENCE: MATHEMATICS PRE-MAJOR



### CONTACT US

For general questions, contact:

[advising@swic.edu](mailto:advising@swic.edu)

For Mathematics questions, contact department chair:

[Keven.hansen@swic.edu](mailto:Keven.hansen@swic.edu);

618-222-5611

### AREA OF INTEREST

Business Administration,  
Finance & Marketing

### TOTAL CREDITS REQUIRED

64

### CATALOG YEAR

2022-2023

### PROGRAM

Associate in Science

### TYPE

Transfer

### ACADEMIC PLAN

0002

### TUITION

\$8,128 plus books fees

### CAMPUS LOCATIONS

Belleville

Sam Wolf Granite City

Red Bud Online



### DESCRIPTION

As society has become more technical, many professions are requiring additional mathematical skills. Some of the fastest growing and highest paying fields require individuals with sophisticated mathematical competence, as well as other communication skills. A bachelor's degree in mathematics is a highly marketable degree in a wide variety of professions.



### EMPLOYMENT OPPORTUNITIES

A variety of careers are open to students who graduate with a bachelor's degree in math including:

Statistician	Teacher
Actuary	Financial analyst
Operations research analyst	Systems consultant
Engineer (civil, electrical, mechanical, etc.)	Research data analyst

### Career Information for Mathematics Majors



### COURSE SEQUENCE BY TERM

The following is the suggested course sequence by term. Please keep in mind:

- The course sequence is laid out by suggested term and may be affected when students enter the program at different times of the year.
- Initial course placement is determined by current district placement measures and/or completion of 100-200 level course and/or program requirements.
- Students should meet with an academic advisor about any concerns that may affect course enrollment.
- **This guide includes course suggestions for students undecided on where they plan to transfer. If you know where you are transferring to for your bachelor's, follow that institution's transfer requirements.**

## ASSOCIATE IN SCIENCE: Mathematics

Student's Name: \_\_\_\_\_

Date: \_\_\_\_\_



Course #	Course Name	Requisites	Taken	Credits
<b>Term 1</b>				
<b>COMM 151</b>	Public Speaking			<b>3</b>
<b>ED 255/ORIE 110***</b>	Intro to Education OR College Success Strategies***			<b>3</b>
<b>ENG 101</b>	Rhetoric & Comp I			<b>3</b>
<b>BIOL 100</b>	General Biology			<b>4</b>
<b>MATH 114**</b>	Trigonometry**	Grade of C or higher in Math 112 OR placement		<b>3</b>
<b>Term 2</b>				
<b>ENG 102</b>	Rhetoric & Composition II	Grade of C or higher in ENG 101		<b>3</b>
<b>MATH 203</b>	Analytic Geometry & Calc I	Grade of C or higher in Math 114 or placement		<b>5</b>
<b>P/S*</b>	Physical Science*			<b>4</b>
<b>ART 103/MUS 110</b>	Non-western Art OR World Music			<b>3</b>
<b>SOC 153</b>	Intro to Sociology			<b>3</b>
<b>Term 3</b>				
<b>MATH 204</b>	Analytic Geometry & Calc II	Grade of C or higher in MATH 203		<b>5</b>
<b>MATH 171/191</b>	Computer Science I – JAVA OR Intro to Statistics	Grade of C or higher in MATH 114 or concurrent enrollment		<b>4</b>
<b>HUM*</b>	General Humanities*			<b>3</b>
<b>S/S*</b>	Social Science*			<b>3</b>
<b>Term 4</b>				
<b>MATH 205</b>	Analytic Geometry & Calc III	Grade of C or higher in MATH 204		<b>4</b>
<b>PHYS 204</b>	Physics – Mechanics	Grade of C or higher in MATH 203		<b>4</b>
<b>HES 151</b>	Personal Health & Wellness			<b>2</b>
<b>MATH 292</b>	Linear Algebra	Grade of C or higher in MATH 203		<b>3</b>
<b>ELCT*</b>	Elective			<b>2</b>
<b>Term 5</b>				<b>TOTAL: 64</b>

\*See Academic Advisor for course options.

\*\*If student places into Math 114 (Trig), take Math 114. If student places into Math 203 (Calculus), take Math 203 and continue in sequence. If student bypasses Math 114, they will need to take 5 credits of electives in Term 5. The Illinois Articulation Initiative (IAI) strongly encourages students to complete the Calculus sequence at the same institution.

\*\*\*If pursuing teacher licensure, select Ed 255. If pursuing non-teacher licensure, choose Orie 110.

### GET STARTED

Find the [Steps to Enrollment](#) on SWIC.edu

### CHOOSE A TRANSFER SCHOOL

[SIUE Mathematics Pathway](#)

[EIU Transfer Guide Mathematics](#)

[Webster University Math Transfer Guide](#)

4/5/2022