

ASSOCIATE IN SCIENCE: MATHEMATICS PRE-MAJOR



CONTACT US

For general questions, contact:

advising@swic.edu

For Mathematics questions, contact department chair:

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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
Term 1				
COMM 151	Public Speaking			3
ED 255/ORIE 110***	Intro to Education OR College Success Strategies***			3
ENG 101	Rhetoric & Comp I			3
BIOL 100	General Biology			4
MATH 112**	College Algebra**			4
Term 2				
ENG 102	Rhetoric & Composition II	Grade of C or higher in ENG 101		3
MATH 114	Trigonometry	Grade of C or higher in MATH 112		3
P/S*	Physical Science*			4
ART 103/MUS 110	Non-western Art OR World Music			3
SOC 153	Intro to Sociology			3
Term 3				
MATH 203	Analytic Geometry & Calc I	Grade of C or higher in MATH 114		5
MATH 171/191	Computer Science I – JAVA OR Intro to Statistics	Grade of C or higher in MATH 114 or concurrent enrollment		4
HUM*	General Humanities*			3
S/S*	Social Science*			3
Term 4				
MATH 204	Analytic Geometry & Calc II	Grade of C or higher in MATH 203		5
PHYS 204	Physics – Mechanics	Grade of C or higher in MATH 203		4
HES 151	Personal Health & Wellness			2
HES 130	Physical Fitness I			1
Term 5				
MATH 205	Analytic Geometry & Calc III	Grade of C or higher in MATH 204		4
			TOTAL:	64

*See Academic Advisor for course options.

**If student places higher than Math 112 through multiple measures OR placement test, please see Academic Advisor for different plan. The Illinois Articulation Initiative (IAI) strongly recommends students 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](#)