

## ASSOCIATE IN SCIENCE: COMPUTER SCIENCE PRE-MAJOR



### CONTACT US

For general questions, contact:

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For Computer Science questions, contact:

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### AREA OF INTEREST

Science, Technology, Engineering, & Mathematics

### 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

This two-year program is designed for students who plan to transfer to a senior institution to complete a four-year degree program with a technical/mathematical emphasis. A four-year degree in computer science prepares students to work as scientific and business application programmers, computer systems analysts, operation research analysts and numerical analysts. Career opportunities are available in industry, business, government and education.



### EMPLOYMENT OPPORTUNITIES

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

Web master	Computer systems analyst
Database administrator	Information systems manager
Computer network specialist	Teacher/professor
Computer programmer	Internet/intranet programmer
Computer software engineer	

### Career Information for Computer Science 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: Computer Science

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

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



Course #	Course Name	Requisites	Taken	Credits
<b>Term 1</b>				
<b>COMM 151</b>	Public Speaking			3
<b>ORIE 110</b>	College Success Strategies			3
<b>ENG 101</b>	Rhetoric & Comp I			3
<b>ECON 201</b>	Macroeconomics			3
<b>MATH 112**</b>	College Algebra**			4
<b>Term 2</b>				
<b>ENG 102</b>	Rhetoric & Composition II	Grade of C or higher in ENG 101		3
<b>MATH 114</b>	Trigonometry	Grade of C or higher in MATH 112		3
<b>BIOL 100/101</b>	General Biology OR Principles of Biology I			4
<b>ART 103 or MUS 110</b>	Non-western Art OR World Music			3
<b>SOC 153</b>	Intro to Sociology			3
<b>Term 3</b>				
<b>MATH 203</b>	Analytic & Geometry Calc I	Grade of C or higher in MATH 114		5
<b>HUM*</b>	General Humanities*			3
<b>P/S*</b>	Physical Science*			4
<b>MATH 171</b>	Computer Science 1 – Java			4
<b>HES 130</b>	Physical Fitness I			1
<b>Term 4</b>				
<b>MATH 191</b>	Intro to Statistics	Grade of C or higher in MATH 112		4
<b>PHYS 204</b>	Physics - Mechanics	Grade of C or higher in MATH 203		4
<b>HES 131</b>	Physical Fitness II	HES 130		1
<b>MATH 271</b>	Computer Science II- Java	MATH 171		4
<b>HES 151</b>	Personal Health & Wellness			2
<b>TOTAL:</b>				<b>64</b>

\*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.

### GET STARTED

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

### CHOOSE A TRANSFER SCHOOL

[Webster University Computer Science Transfer Guide](#)

4/5/2022