

# COMPUTER SCIENCE/ MATHEMATICS DOUBLE MAJOR (BS)

College: College of Business, Economics, and Computing

## Requirements for the Computer Science/ Mathematics Double Major

Students may satisfy graduation requirements for both computer science and mathematics by completing all required courses for computer science with 9 elective credits and PHYS 201 General Physics I, together with the following mathematics courses (which automatically satisfy the computer science breadth requirement)

Code	Title	Credits
<b>Required Math Courses</b>		
MATH 222	Calculus and Analytic Geometry II	5
MATH 223	Calculus and Analytic Geometry III	5
MATH 301	Linear Algebra	4
MATH 303	Set Theory, Logic and Proof	4
MATH 317	Differential Equations and their Applications	4
MATH 350	Advanced Calculus	4
or MATH 367	Elementary Number Theory	
MATH 441	Abstract Algebra	4
<b>Total Credits</b>		<b>30</b>

Students completing the computer science/mathematics double major are strongly encouraged to take CSCI 431 Computational Models as one of their electives.

## General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

\*\* Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (<https://catalog.uwp.edu/policies/#skills>)

Code	Title	Credits
<b>Reading and Writing</b>		
ENGL 101	Composition and Reading	3

### Computational Skills

Select one of the following:		4-5
MATH 102	Survey of Mathematics	
MATH 103	Elementary Statistics	
MATH 104	Quantitative Reasoning	
MATH 111	College Algebra I	

**Total Credits** **7-8**

General Education (<https://catalog.uwp.edu/policies/#general>)

- General Education Course List (<https://catalog.uwp.edu/programs/general-education-program/#coursestext>)

Foreign Language (<https://catalog.uwp.edu/policies/#language>)

Ethnic Diversity (<https://catalog.uwp.edu/policies/#ethnic>)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30 of final 60

Cumulative Degree GPA: 2.0 minimum