

Computer Science Complementary Major Bachelor of Arts (32 credit hours)

The Computer Science complementary major is especially valuable for a student majoring in any STEM field, as well as those who wish to use advanced technological tools to solve real-world problems.

Major Requirements:

Foundational Courses (16 credit hours):

- CPSC 2020, Fundamentals of Computational Thinking and Problem Solving, 4 credit hours
- CPSC 2030, Object-Oriented Analysis and Design, 4 credit hours
- CPSC 2100, Database Programming, 4 credit hours
- CPSC 2500, Data Structures and Algorithms, 4 credit hours

Mathematics Elective (4 credit hours) from:

- MATH 2010, Calculus I, 4 credit hours
- MATH 2020, Calculus II, 4 credit hours
- MATH 2120, Introductory Statistics with Applications, 4 credit hours
- MATH 2200/CPSC 2250, Discrete Mathematical Structures, 4 credit hours

Computer Science Elective (12 credit hours):

- Any 12 credit hours from CPSC 1200 and above, as approved in a plan of study by the Computer Science advisor.

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.

Proposed course sequence:

- Freshman: CPSC 2020, MATH 2010/2020/2120/2200; CPSC 2030
- Sophomore: CPSC 2100, CPSC 2500
- Junior: Selected CPSC Courses

Computer Science (BA) Complementary Major 4 Year Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
CPSC 2020 (Quant. Reason.)	4 Hours	CPSC 2030	4 Hours
MATH 2010/2020/2120/2200	4 Hours	ENGL 1120	3 Hours
ENGL 1100/ENGL 1110	3-4 Hours	Personal Wellness	2 Hours
LART 1050	1 Hour	Additional Class (Critical Discourse & C.R.)	3 Hours
Foreign Language	4 Hours	Additional Class	3 Hours

SEMESTER 3		SEMESTER 4	
CPSC 2100	4 Hours	Speaking Intensive	3 Hours
CPSC 2500	4 Hours	BIBL 2000	3 Hours
COMM 1000	3 Hours	Scientific Ways of Knowing	4 Hours
Additional Class	3 Hours	Additional Class	3 Hours
		Additional Class	3 Hours

SEMESTER 5		SEMESTER 6	
Selected CPSC Course	4 Hours	Selected CPSC Course	4 Hours
Selected CPSC Course	4 Hours	Social & Behavioral Ways of Knowing	3 Hours
Civic Ways of Knowing	3 Hours	Aesthetic Ways of Knowing	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
		Additional Class	3 Hours

SEMESTER 7		SEMESTER 8	
Christian Ways of Knowing	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
Writing Intensive	3 Hours	Writing Intensive	3 Hours
Additional Class (Exp. Learn.)	3 Hours	Civil Discourse & C.R.	2-4 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours