

Computer Science Complementary Major 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 2000 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. Reasoning)	4 Hours	CPSC 2030	4 Hours
MATH 2010*	4 Hours	MATH 2020/2120/2200*	4 Hours
Major Courses + Liberal Arts	Remaining	Major Courses + Liberal Arts	Remaining

SEMESTER 3		SEMESTER 4	
CPSC 2100	4 Hours	CPSC Elective	4 Hours
CPSC 2500	4 Hours	Major Courses + Liberal Arts	Remaining
Major Courses + Liberal Arts	Remaining		

SEMESTER 5		SEMESTER 6	
CPSC Elective	4 Hours	CPSC Elective	4 Hours
Major Courses + Liberal Arts	Remaining	Major Courses + Liberal Arts	Remaining

SEMESTER 7		SEMESTER 8	
Major Courses + Liberal Arts	Remaining	Major Courses + Liberal Arts	Remaining

\*Select one of the four listed courses: MATH 2010 (Fall), MATH 2020/2120/2200 (Spring)