COMPUTER SCIENCE MAJOR (BA)

Plan of Study

A typical, full-time, four-year plan of study appears below. Some variation may be possible. Students should always discuss their individual plan of study with their advisor prior to registering for courses.

Course	Title	Credits
First Year		
Fall		
CPSC 1101 or ENGR 1031	Introduction to Computing (placement based-preferred course) or Fundamentals of Engineering	3
ENGL 1001	Introduction to Rhetoric and Composition	3
MATH 1121	Applied Calculus I	3
PHIL 1101	Introduction to Philosophy	3
Modern/Classical Language Orientation Tier [5]		3
	Credits	**15**
Spring		
CPSC 1131	Fundamentals of Programming	3
MATH 1122	Applied Calculus II	3
Literature Exploration Tier [7]		3
Religious Studies Orientation Tier [1]		3
General Elective [8]		3
	Credits	**15**
Second Year		
Fall		
CPSC 2250L	Computer Science Sophomore Clinic	1
CPSC 2231	Programming Workshop	3
CPSC 2231L	Programming Workshop Lab	1
CPSC 2304	Web Development	3
Behavioral and Social Sciences Exploration Tier [3]		3
History Orientation Tier [1]		3
Natural Science Exploration Tier [9]		3
	Credits	**17**
Spring		
CPSC 2232	Data Structures	3
CPSC 2232L	Data Structures Lab	1
Behavioral and Social Sciences Exploration Tier [3]		3
History or Philosophy or Religious Studies Exploration Tier [2]		3
History or Philosophy or Religious Studies Exploration Tier [2]		3
General Elective [8]		3
	Credits	**16**
Third Year		
Fall		
CPSC 3351L	Computer Science Junior Clinic I	1
SWEG 3301	Software Engineering Methods	3
Natural Sciences Exploration Tier [9]		3
General Elective [8]		3
General Elective [8]		3
General Elective [8]		3
	Credits	**16**
Spring		
SWEG 3302	Software Design Methods	3
CPSC 3352L	Computer Science Junior Clinic II	1
Major Elective [4]		3
Visual and Performing Arts Exploration Tier [6]		3
General Elective [8]		3
General Elective [8]		3
	Credits	**16**
Fourth Year		
Fall		
Major Elective [4]		3
General Elective [8]		3
General Elective [8]		3
General Elective [8]		3
	Credits	**12**
Spring		
CPSC 3354	Theory of Programming Languages	3
Major Elective [4]		3
Major Elective [4]		3
General Elective [8]		3
General Elective [8]		3
	Credits	**15**
	Total Credits	**122**

[1] Choose an appropriate History or Religious Studies course at the 1000 level.

[3] Core Social Science course may be filled by appropriate courses in Communication, Economics, Psychology, Politics, or Sociology and Anthropology.

[4] Major electives are chosen from the department, but may be chosen with approval of advisor and department chair from among other courses.

[5] Choose any language offered by the Department of Modern Languages and Literatures, based on placement exam.

[6] Visual and Performing Art History courses may be chosen from Art History, Music, Film, Television, and Media Arts, Studio Art, or Theatre.

[7] Approved English, Modern Languages and Literatures, or Classics courses.

[8] General Electives may be chosen from any courses offered at the university, and are frequently chosen to help fulfill requirements toward a chosen minor.

[9] Natural science elective is typically met by any course in Biology, Chemistry, or Physics, as well as some courses in Anthropology.