Computer Science, B.S.

Please note that sample four year plans are examples. Students, in consultation with their advisor, will discuss an individualized degree plan reflecting their academic preparation, interests and goals. Actual sequences will vary based on course availability, need for developmental coursework, and student preference. For complete information on degree requirements, reference the Undergraduate Course Catalog at http://hood.smartcatalogiq.com/ .

Year One

Fall Semester	**Credits**	**Spring Semester**	**Credits**
CS 201 Computer Science I	4	CS 202 Computer Science II	4
FYS 101 First Year Seminar	3	Math 202 Calculus II	4
Math 201 Calculus I	4	Core- Visual and Performing Arts	3
ENGL 100 Elements of Composition	4	MATH 207 Discrete Mathematics	3
Core- Health and Wellness/PE	1	Core- Health and Wellness/PE	1
Total	**16**	**Total**	**15**

Year Two

Fall Semester	**Credits**	**Spring Semester**	**Credits**
CS 219 Data Structures	3	CS 329 DBMS	3
CS 226 Computer Organization	3	CS 319 Algorithm Analysis	3
Core- Foreign language 101	4	Core- Foreign language 102	4
Lab Science I	4	Lab Science II	4
Elective	1	Core-Methods of Inquiry	3
Total	**15**	**Total**	**17**

Year Three

Fall Semester	**Credits**	**Spring Semester**	**Credits**
CS 324 Software Engineering	3	CS 453 Data Communications & Networking	3
CSIT 302 Impact of Computers on Society	3	CS 464 Operating Systems	3
Core- Philosophical Inquiry	3	Core- Literary Analysis	3
Math 213 Statistics	4	Elective	3
Elective	3	Elective	3
Total	**16**	**Total**	**15**

Year Four

Fall Semester	**Credits**	**Spring Semester**	**Credits**
CS 474 Capstone Proseminar	3	CS 475 Senior Project	3
CS 471 Programming Languages	3	CS Elective (300-level+)	3
CS Elective (300-level+)	3	Core- Historical Analysis	3
CS 399 Internship or CS Elective (300-level+)	3	Elective	3
Elective	3	Elective	3
Total	**15**	**Total**	**15**

TOTAL CREDITS= 124

NOTES:

The above plan is based on Calculus I mathematics placement. Student begins major courses in first year, first semester. Electives may be Honors program courses, a minor, additional major courses, or another subject of interest.
Students may interchange on this schedule when they take their *Philosophical Inquiry*, *Visual & Performing Arts*, *Historical Analysis* and *Literary Analysis* courses.
Students majoring in computer science:

- Meet the Core-*Global Perspectives* requirement by taking the CSIT 302 Impact of Computers on Society.
- Meet the Core-*Scientific Thought Lab* by taking eight credits of lab science required for the major.

There is some flexibility for interchanging the scheduling of Core and Elective courses, but it's best not to leave too many requirements until the end.