

University Name: St. Cloud State University

Award: B.S. Degree: Computer Science

Total Credits: 60

3 rd Year/Fall Semester		
Course No.	Course Name	Credits
CSCI 320	Computer Architecture II	4
CSCI 331	Software Systems	3
*MATH 222 or MATH 304	Calculus II or Tools of Mathematical Reasoning	3
STAT 353 or STAT 417	Statistical Methods I for Engineering or Applied Probability and Simulation	3
Semester Credits Total		13
Note: *MATH 222, if taken, is 4 credits. **Equivalents of PHYS 231 or BIOL 151 or CHEM 210 or PHYS 234 (General Physics I or Cell Function and Inheritance or General Chemistry 1 or Classical Physics I) should be completed prior to transfer as the first course in the required science sequence.		

3 rd Year/Spring Semester		
Course No.	Course Name	Credits
CSCI 310	Introduction to Operating Systems	3
CSCI 330	Programming Language Concepts	3
MATH 312	Linear Algebra	4
*Goal Area		3
**ENGL 332 or CMST 341	Writing for the Professions or Communication in the Workplace	3
Semester Credits Total		16
Note: *PHYS 232 or BIOL 152 or CHEM 211 or PHYS 235 (General Physics II or Organismal Diversity or General Chemistry 2 or Classical Physics II) should be completed prior to transfer as the second course in the required science sequence. **ENGL 332, if taken, is 4 credits.		

4 th Year/Fall Semester		
Course No.	Course Name	Credits
CSCI 334	Communication for Computing Sciences	1
CSCI 311	Systems Programming	2
CSCI Electives		6
*Goal Area		6
Semester Credits Total		15
Note: CSCI Electives: select 5 courses from at least 3 of the following areas, with the approval of your advisor. One elective may be substituted by an internship experience (CSCI 444). Systems: CSCI 411 , CSCI 412 , CSCI 413 , CSCI 415 ; Theory: CSCI 402 , CSCI 403 , CSCI 404 , CSCI 406 ; Artificial Intelligence: CSCI 440 , CSCI 441 , CSCI 442 , CSCI 443 ; Software Engineering: CSCI 430 , CSCI 431 , CSCI 432 ; Applications: CSCI 450 .		

4 th Year/Spring Semester		
Course No.	Course Name	Credits
CSCI Electives		9
CSCI 332	Computing Ethics	3
*Goal Area		3
Elective		1
Semester Credits Total		16
Note: *Science course: If not taken prior to transfer, select a different subject from the chosen required science sequence. ASTR 311 , ASTR 312 ; ASTR BIOL 151 , BIOL 152 , CHEM 207 , CHEM 210 , CHEM 211 ; ECE 201 ; ENGR 332 ; AHS 220 , AHS 260 ; PHYS 231 , PHYS 232 , PHYS 234 , PHYS 235 , PHYS 328 , PHYS 329 , PHYS 333 .		