BS in Computer Science

Declaring the Computer Science Major

Students seeking to major in computer science are first designated as "pre-computer science majors" until they have completed CMP SCI 2750 or equivalent course. Upon successful completion of this course with a grade of C- or better, students will be allowed to declare computer science as their major. This course must be completed successfully within two attempts.

Degree Requirements in Computer Science

Candidates for the B. S. Computer Science degree must complete the following work:

1) Computer Science Core		
CMP SCI 1250	Introduction To Computing	3
CMP SCI 2250	Programming And Data Structures	3
CMP SCI 2261	Object-Oriented Programming	3
CMP SCI 2700	Computer Organization and Architecture	3
CMP SCI 2750	System Programming and Tools	3
CMP SCI 3010	Web Programming	3
CMP SCI 3130	Design And Analysis Of Algorithms	3
CMP SCI 4250	Programming Languages	3
CMP SCI 4280	Program Translation	3
CMP SCI 4500	Introduction to the Software Profession	3
CMP SCI 4760	Operating Systems	3
2) Computer Science Electives		
Select five more elective computer science courses, numbered above 3000.		15
3) Mathematics and Statistics		
MATH 1320	Applied Statistics I	3
MATH 1800	Analytic Geometry And Calculus I	5
MATH 1900	Analytic Geometry And Calculus II	5

MATH 2450	Elementary Linear Algebra	3
MATH 3000	Discrete Structures	3
4) Additional Skills		
ENGL 3130	Technical Writing	3
Total Hours		**70**

There are no related area requirements for majors in Computer Science

Sign-offs from other departments affected by this proposal

None

Rationale	Computer Science may not be the right major for every aspiring computer science student. This is to establish a gateway course that helps the department determine if a student can declare to be a Computer Science major.