BS in Computing Technology

Degree Requirements in Computing Technology

Candidates for the B. S. Computing Technology degree must complete the following courses:

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 3200	.NET Framework	3
CMP SCI 3780	Software Security	3
CMP SCI 4010	Advanced Web Development with Java	3
CMP SCI 4500	Introduction to the Software Profession	3
CMP SCI 4610	Database Management Systems	3
Computer Science Electives		
Select five more elective computer science courses, numbered above 3000		15
Mathematics and Statistics		
MATH 1320	Applied Statistics I	3
MATH 1100	Basic Calculus	3-5
or MATH 1800	Analytic Geometry And Calculus I	
MATH 2300	Introduction to Discrete Structures	3

or MATH 3000	Discrete Structures	
Additional Skills		
ENGL 3130	Technical Writing	3
Total Hours		**60-62**

There are no related area requirements for majors in Computing Technology.

Sign-offs from other departments affected by this proposal

None

Rationale	The current CS degree does not serve the needs of some students, those who are not interested in graduate school and who want to learn more about the applied and technological aspects of CS, with less emphasis on mathematics and computing foundations. The proposed degree will address the interests of these students and of the technology workforce needs of the St. Louis region at the same time.