

Bachelor of Science in Computer Science Curriculum Map

	SO1	SO2	SO3	SO4	SO5	SO6	SO7	SO8	SO9	SO10	SO11
CS130	X										
CS140		X									X
CS141		X									X
CS210	X		X							X	
CS240		X									X
CS241		X							X		X
CS256			X							X	X
CS264			X								X
CS311	X		X						X		X
CS331										X	X
CS365			X							X	
CS375				X	X	X	X				
CS408			X						X		
CS431			X						X	X	X
CS463						X	X	X			
CS480	X		X	X	X	X	X	X	X	X	X

SO1	An ability to apply knowledge of computing and mathematics appropriate to the discipline.
SO2	An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
SO3	An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
SO4	An ability to function effectively on teams to accomplish a common goal.
SO5	An understanding of professional, ethical, legal, security and social issues and responsibilities.
SO6	An ability to communicate effectively with a range of audiences.
SO7	An ability to analyze the local and global impact of computing on individuals, organizations, and society.
SO8	Recognition of the need for and an ability to engage in continuing professional development.
SO9	An ability to use current techniques, skills, and tools necessary for computing practice.
SO10	An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
SO11	An ability to apply design and development principles in the construction of software systems of varying complexity.