CS PROGRAM
EDUCATIONAL OBJECTIVES

To systematically identify, formulate, and solve computer science problems.

To apply fundamental knowledge of computer science to develop computing systems for solving real world problems or to pursue graduate studies.

To utilize communication and analytical skills to work collaboratively and effectively, including supportive and leadership roles on interdisciplinary teams.

To understand and demonstrate professional and ethical conduct in the global society and to demonstrate the desire for professional growth and life-long learning.

CS Program Outcomes

a) An ability to apply knowledge of computing and mathematics appropriate to the discipline.

b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.

c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.

d) An ability to function effectively on teams to accomplish a common goal.

e) An understanding of professional, ethical, legal, security and social issues and responsibilities.

f) An ability to communicate effectively with a range of audiences.

g) An ability to analyze the local and global impact of computing on individuals, organizations, and society.

h) Recognition of the need for and an ability to engage in continuing professional development.

i) An ability to use current techniques, skills, and tools necessary for computing practice.

j) 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.

k) An ability to apply design and development principles in the construction of software systems of varying complexity.