

Computer and Information Science MS Goals

1. Students will be able to identify, explain, and apply knowledge of 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.
2. Students will be able to analyze a CIS problem and identify and define the computing requirements appropriate to its solution.
3. Students will be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs.
4. Students will be able to apply design and development principles in the construction of computer-based systems of varying complexity.
5. Students will be able to compare various research contributions and communicate effectively as researchers and/or practitioners.