Computer Science Focus Areas

Course selection should be done under academic advisement

Network & Security

Computer Architecture

Operating Systems

Computer Networking

Computer and Network Security

Topics: Secure Coding

Topics: Information Systems Security

Topics: Smart Grid Communication Networks

Focused Capstone



Data Science

Statistical Inference

Data Mining & Predictive Modeling

Database Systems

Information Retrieval

Machine Learning

Natural Language Processing

Focused Capstone



Software Engineering

Database Systems

Human Computer Interaction

Software Engineering

Programming Languages

Focused Capstone



Foundational Courses

Computational Biology

Statistical Inference

Foundations of Computational Biology

Algorithms in Computational Biology

Genomics and Bioinformatics

Focused Capstone



Computer Graphics and Game Development

Linear Algebra

Statistical Inference

Computer Graphics

Human Computer Interaction

Topics: 3D Game Development

Topics: Computer Vision and Multimedia Applications

Focused Capstone



Human Computer Interaction

Artificial Intelligence

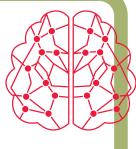
Machine Learning

Natural Language Processing

Theory of Computation

Topics: Computer Vision and Multimedia Applications

Focused Capstone



See the Computer Science Department website for full list of courses, including course numbers