

Track Listings

*These can be used as a guideline for B.A. students when planning their program of study.
Note that tracks are distinct from concentrations.*

Artificial Intelligence and Machine Vision

CSC 240: Intro to Data Mining
CSC 245: Deep Learning
CSC 246: Machine Learning
CSC 249: Machine Vision
CSC 259: Computer Imaging & Graphics
CSC 266: Frontiers in Deep Learning
CSC 277: End-to-End Deep Learning

Natural Language Understanding

CSC 241: Intro to Computational Neuroscience
CSC 246: Machine Learning
CSC 247: Natural Language Processing
CSC 248: Statistical Speech and Language Processing

Human-Computer Interaction

CSC 131: Recreational Graphics
CSC 186: Video Game Development
CSC 210: Web Programming
CSC 211: Introduction to HCI
CSC 212: Human-Computer Interaction
CSC 214: Mobile Application Development
CSC 216: AR/VR Interaction Design
CSC 229: Computer Models of Perception & Cognition
CSC 259: Computer Imaging & Graphics
CSC 261: Database Systems

Theory of Computation

CSC 279: Computational Geometry
CSC 281: Cryptography
CSC 283: Advanced Cryptography
CSC 284: Advanced Algorithms
CSC 285: Algorithms and Elections
CSC 286: Computational Complexity
CSC 287: Advanced Modes of Computation
CSC 288: Analytic Methods of Computer Science
CSC 289: Algorithmic Game Theory

Computer Systems

CSC 253: Collaborative Programming & Software Design
CSC 255: Advanced Programming Systems
CSC 256: Operating Systems
CSC 257: Computer Networks
CSC 258: Parallel and Distributed Systems
CSC 263: Data Management Systems
CSC 290: Machine Learning Systems for Efficient AI

Computer Security

CSC 257: Computer Networks
CSC 276: Computer Architecture & Security
CSC 278: Computer Security Foundations
CSC 281: Cryptography
CSC 283: Topics in Cryptography
CSC 299W: Social Implications of Computing