Course Catalog and Degree Plans

To view the current course catalog and degree plans for the Computer Science Department, please refer to the current A-State Bulletin.

Prerequisite Chart

Course Rotation

Course Rotation (subject to change)

FALL 2018

- CS 1013: Introduction to Computers
- CS 1114: Concepts of Programming & lab
- CS 2114: Structured Programming & lab
- CS 2124: OOP & Fund Data Structures & lab
- CS 3113: Algorithms & Adv Data Structures

Fall every year

- CS 3223: Computer Organization
- CS 4/5113: Software Engineering
- CS 4/5223: UNIX Systems Programming
- CS 4/5543: Database Systems
- CS 4/5713: Analysis of Algorithms

Fall even years only

- CS 4/5133: Compilers
- CS 6233: Operating System Design
- CS 6253: Heterogeneous Computing
- CS 6333: Network and Internet Security
- CS 6413: Solid Modeling

SPRING 2019

- CS 1013: Introduction to Computers
- CS 1114: Concepts of Programming & lab
- CS 2114: Structured Programming & lab
- CS 2124: OOP & Fund Data Structures & lab
- CS 3113: Algorithms & Adv Data Structures

Spring every year

- CS 3123: Programming Languages
- CS 3233: Operating Systems
- CS 3613: Web Application Development
- CS 4143: Java Application Development
- CS 4/5313: Computer Networks
- CS 4/5613: Mobile Application Development
- MATH 4533: Numerical Methods (CS elective)
- PHIL 3723: Computers, Ethics, & Society
- EE 3333/3331: Digital Electronics I & Lab

Spring odd years only

- CS 6123: Software Security
- CS 6243: Distributed Systems
Demanded
• CS 4/5723: Automata Theory
• CS 6523: Data Mining Techniques
• CS 5623: Fundamentals of Data Science

FALL 2019
• CS 1013: Introduction to Computers
• CS 1114: Concepts of Programming & lab
• CS 2114: Structured Programming & lab
• CS 2124: OOP & Fund Data Structures & lab
• CS 3113: Algorithms & Adv Data Structures

Fall every year
• CS 3223: Computer Organization
• CS 4/5113: Software Engineering
• CS 4/5223: UNIX Systems Programming
• CS 4/5543: Database Systems
• CS 4/5713: Analysis of Algorithms

Fall odd years only
• CS 4/5433: Artificial Intelligence
• CS 4/5723: Automata Theory
• CS 6223: Advanced Computer Architecture
• CS 6313: Data Security
• CS 6463: Image Processing
• CS 6523: Data Mining Techniques

Demanded
• CS 4/5133: Compilers
• CS 5623: Fundamentals of Data Science
• CS 6253: Heterogeneous Computing

Not regularly scheduled
• CS 4/5423: Interactive Computer Graphics
• CS 4811: Computer Science Seminar
• CS 482V: Special Problems
• CS 6513: Data Compression and Indexing
• CS 6813: Seminar in Computer Science

Spring every year
• CS 3123: Programming Languages
• CS 3233: Operating Systems
• CS 3613: Web Application Development
• CS 4143: Java Application Development
• CS 4/5313: Computer Networks
• CS 4/5413: Fundamental Computer Graphics
• CS 4/5613: Mobile Application Development
• MATH 4533: Numerical Methods (CS elective)
• PHIL 3723: Computers, Ethics, & Society
• EE 3333/3331: Digital Electronics I & Lab

Spring even years only
• CS 6213: Parallel Processing
• CS 6323: Computer Security
• CS 6343: Cloud Security
• CS 6543: Adv. Database Systems
• CS 6613: Bioinformatics
• CS 6723: Computability Theory

Demanded
• CS 4/5723: Automata Theory
• CS 5623, Fundamentals of Data Science

CS faculty approval required
• CS 4/583V: Internship (max 1 credit hour)
• CS 688V: Independent Study
• CS 689V: Thesis