

CSCI 120: Explorations in Computer Science

This is a required freshman course introducing CS fundamentals such as: binary arithmetic, computational linear algebra, and python programming. Course explores CS sub-domains such as: artificial intelligence, cybersecurity, data science, machine learning, interactive media (games), human computer Interface (HCI) usability testing, and robotics. In addition, students will be exposed to design thinking for innovation. Class will include presentations from leading experts from academia, government and industry allowing students to ask questions directly. Topical assignments will expose students to introductory topics through individual exercises and team projects.

Credits: 2

Program:

Computer Science