

How are they different?



AT



The Universities
AT SHADY GROVE

Computer Science

What is it?

It is the study of theory, design, development, and application of computational systems. Areas of study include artificial intelligence, machine learning, game design, cybersecurity, software engineering, data science, quantum computing, and forensic analysis.

Where is it being offered?

UMBC and UMBC-Shady Grove

Prerequisite courses:

Computer Science I and II, Discrete Structures, Calculus I and II

Careers:

Software Developer, Computer Systems Analyst, Cyber Software Engineer, Data Analyst/Scientist, Information Security Analyst, Computer and Information Research Scientists, Network Engineer/Architect

Information Systems

What is it?

It is the study of using technology in business and other setting; connecting technology to people or business.

Where is it being offered?

UMBC

Prerequisite Courses:

Principles of Accounting, Principle of Economics, Elementary Applied Calculus, Statistics

Careers:

Software Developer, Systems Analysis & Design, Programmer Analyst, Web Developer, Computer Networking and Health Informatics, Systems Security Administrator

Information Science

What is it?

It is the study of understanding how to efficiently use data. It connects technology, people or businesses, and information.

Where is it being offered?

University of Maryland College Park and UMCP-Shady Grove

Prerequisite Courses:

Precalculus, Intro to Psychology, Elementary Statistics, Intro to Programming

Careers:

Intelligence Analyst, Database Administrator, Program Manager, Digital Curation Specialist, Systems Architect/Analyst, Health Informatics Manager, User Interface Designer, Information Architect, User Studies Specialist