



ROCHESTER UNIVERSITY

INFORMATION SYSTEMS & CYBERSECURITY

Do you speak “computer?” Our degrees in computer information systems will translate that ability into a solid foundation in computer science, information systems and business fundamentals.

You’ll be ready to join a team in a variety of software development roles and/or programming roles. Students participate in Agile and pair programming methodologies, and test-driven development

YOU HAVE AN EPIC STORY TO TELL

College should be more than just getting a degree. At RU, we prepare you for your professional and personal future. Our combination of general education classes — in addition to your major courses — will give you **equipment for living** so that you can live an **EPIC** life.

EXPLORE. Understand the world in all its beauty, diversity and complexity.

PREPARE. Gain knowledge and skills to serve in your business or organization.

INTEGRATE. Connect and apply knowledge in your professional and personal life.

CALLING. Discern what God has called you to be and do.



WHAT CAN I STUDY?

INFORMATION SYSTEMS PROGRAMMING

Our bachelor of science degree in information systems, programming, will prepare you to work as part of a team in a variety of software development roles and/or programming roles.

You’ll receive a solid foundation in computer science, information systems and business fundamentals.

COMPUTER INFORMATION SYSTEMS

Our bachelor of business administration degree in computer information systems is an online degree completion program for students who have completed an approved Associate of Applied Science degree in an information technology field such as IT professional, networking specialist, cyber security or programming.

With a solid foundation in business, law, ethics, policy, finance and management, you’ll be prepared for professional growth in your chosen field.



WHAT WILL I LEARN?



CRITICAL ANALYSIS

Professional graduates analyze complex problems and apply principles of computing to identify solutions.



PROBLEM-SOLVING

Professional graduates design, implement and evaluate a computing based solution.



PROFESSIONAL COLLABORATION

Professional graduates communicate effectively and work together to accomplish shared project objectives.



PROFESSIONAL COMMUNICATION

Professional graduates communicate effectively in a variety of professional situations.



VOCATIONAL AWARENESS

Professional graduates demonstrate an understanding of God's ongoing story in the world and their responsibility to God, self, organization, and the world as a part of that ongoing story.



ETHICAL AND PROFESSIONAL RESPONSIBILITY

Professional graduates make informed judgements for practice based on legal and ethical principles.

WHAT ABOUT MY CAREER?

After you graduate with a bachelor's degree, you can pursue positions as a:

- IT Professional
- Networking Specialist
- Cyber-Security
- Programming
- Software Developer

COURSE OFFERINGS

While pursuing your degree, you will take various classes, including:

- Linux Administration
- Security Foundations
- Database Concepts
- Object-Oriented Programming
- Systems Analysis and Design
- Enterprise Architecture
- Cloud Computing
- Software Engineering
- Software Project Management

You also will be required to do an Information Systems Internship and Information Systems Capstone, where you will integrate all the knowledge and skills from previous coursework and apply it to a software development project.

WHAT OUR ALUMNI SAY



OLU KOLADE
Senior
Information Systems
Programming major



"At Rochester University Michigan, we don't just study Information Systems and Programming; we script the blueprints for tomorrow's innovations. I encourage everyone to embrace the language of the future."

WORK FROM THE HEART