INFORMATION SYSTEMS, MINOR

A minor in Information Systems is designed for students who are pursuing bachelor's degrees in fields other than information systems and who wish to continue their education in information systems. Candidates for the minor are required to complete a total of 21 credit hours.

The minor is designed to provide more than a basic knowledge of information systems. Specifically, persons completing the program are expected to achieve competency in understanding information systems terminology, concepts and principles; proper application and knowledge of current hardware and software; data communications; and planning and carrying out system development and the management of information systems. Students acquiring these skills are well-received in the business community and in governmental organizations.

PROGRAM LEARNING OUTCOMES

- **Communication and Interpersonal Skills:** Use written, oral and electronic methods for effective communication. (UO 1) The student will be able to:
  - Participate effectively on teams to accomplish a common goal.
  - Communicate effectively with a range of audiences using various mechanisms, formally or informally with excellent oral, written, and listening skills.
  - Analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people.
  - Demonstrate persistence, flexibility, curiosity, creativity, risk taking, and a tolerance of these abilities in others.
  - Devise effective user interfaces for information systems.
- **Ethical and Professional Responsibilities:** Discern and articulate the impact of technologies on society. (UO 8) The student will be able to:
  - Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution.
  - Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem.
  - Assess the impact of information systems and associated technologies on individuals, groups, organizations, society, and the world for the purpose of making informed decisions from a sociological, governmental, legal, and/or security perspective.
  - Critically evaluate and possibly act on current ethical issues in the IS field.
  - Apply IS professional codes of conduct.
- **Information Technology:** Have proficient use of computers and software to manage information statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)
  - Understand, apply and adapt various problem-solving strategies, using appropriate technology and methods.
  - Identify information systems problems and/or opportunities in terms of the human, organizational, informational and technology dimensions.
  - Analyze issues surrounding the problem and/or opportunity in terms of the human, organizational, informational, and technology dimensions; and determine the requirements appropriate to understanding the situation.
  - Design systems, architectures, processes, components, or programs to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
  - Evaluate the success of systems, architecture, processes, components, or programs intended to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
- **Professional Proficiency:** Evaluate the necessary skills and knowledge to meet professional competencies as information systems professionals and global citizens. (UO 5 & 9) The student will be able to:
  - Define the history and vocabulary unique to information systems professionals.
  - Understand and apply the interdisciplinary, theoretical knowledge of information systems.
  - Define and explain the core concepts, principles, processes, and theories within the academic major of IS.
  - Apply the core concepts of the academic majors of IS to real-world problems.
  - Collaborate with other professionals as well as perform successfully at the individual level.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Information Systems, Minor Program Page (https://www.sru.edu/academics/majors-and-minors/information-systems/)

Information S (https://www.sru.edu/academics/colleges-and-departments/cob/school-of-business/healthcare-administration-and-information-systems/)ystems and Technology Management Department Page (https://www.sru.edu/academics/colleges-and-departments/cob/school-of-business/information-systems-and-technology-management/)

Professional Licensure/Certification Page (https://www.sru.edu/students/student-consumer-information/professional-licensures/)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- A student cannot major or minor in the same discipline/academic area, but may minor in a specialization offered by his/her major department.
- The Information Systems minor must submit this self-maintained progress sheet to the Information Systems and Technology Management Department for verification.

Code	Title	Hours
Required Courses		
MIS 210	Productivity Software	3
MIS 301	Practical Computer Security	3

MIS 323	Data Base Systems	3
MIS 413	Systems Analysis	3
MIS 453	Fundamentals of Enterprise Architecture	3
Elective		
Select one of the following		3
MIS 265	Management Information Systems	
MIS 310	Business Data Analysis and Visualization	
MIS 333	Introduction to Computer Forensics	
MIS 401	Information Systems Security	
MIS 403	Introduction to Healthcare Information Systems	
MIS 443	Project Management	
Total Hours		**18**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University*.

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Information Systems (14B)
This program is effective as of Summer 2023
Revised 03.03.2023
UCC 02.28.2023