

Information Systems, Minor

The Minor in Information Systems

Overview

The Information Systems minor will provide an opportunity for undergraduate students in any major at Carnegie Mellon to develop a unique set of skills to enhance their education. Students will learn the role of IS in the enterprise and the means by which information systems are created, utilized, and maintained. They will learn to manage, analyze and draw insights from data, work effectively in teams, and practice human-centered design and team management. By equipping students with these skills, we prepare them to thrive in a technology-driven world and enhance their readiness for future career opportunities.

The minor is ideal for students interested in exploring how technology intersects with organizations and society. It complements majors such as business, psychology, HCI, statistics, computer science, and engineering, and is especially beneficial for students who want to apply technical thinking without necessarily becoming software developers.

The Information Systems Minor is open to undergraduate students in any major at the university. Current Carnegie Mellon University students who wish to declare the Information Systems minor may find information about how to apply via the Information Systems Program website (<https://www.cmu.edu/information-systems/is-minor.html>).

Curriculum

Students in the Information Systems Minor will be required to complete the computational prerequisite, three Information Systems core classes, and a minimum of 27 units from the Information Systems electives.

Prerequisite		12 units
		Units
15-112	Fundamentals of Programming and Computer Science	12
or 02-120	Programming for Scientists	

* 15-110 is strongly recommended to build foundational skills for 15-112 for individuals with little to no programming experience.

Information Systems Core	27 units
Complete all of the following courses:	

		Units
67-240	Mobile Web Design & Development	9
67-250	The Information Systems Milieux	9
67-262	Database Design and Development	9

Additional Information Systems Electives	27 units
Complete at least 27 units from the following courses:	

		Units
67-206	Technology Outreach and Engagement in the Pittsburgh Community	6
67-220	Digital Accessibility - Ensuring Universal Access to the Information Society	9
67-265	Design Fundamentals: Shaping Interactions and Experiences	9
67-306	Management of Computer and Information Systems	6
67-336	Building Data Visualizations in to Information Systems	9
67-342	Data Governance in the Age of AI	9
67-347	AI for an Inclusive Digital Experience	9
67-348	Black Mirror - Cultural Representations of Technology	9
67-364	Practical Data Science	9
67-368	User Experience (UX) Research for Product Managers	9