

CSIS 1590 - Foundations of Information Systems Technologies

Fall 2026 Syllabus, Section 02, CRN 44291,

Credit hours: 3

Instructor

Zachary McConnell

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Public Instructor Information

Instructor Title: Professor Zach McConnell

Instructor Professional Qualifications: Masters of Science in Computing and Information Systems, Youngstown State University, 2022.

Bachelor of Arts in Geography Information Systems, Youngstown State University.

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Course Description

1590. Foundations of Information Systems & Technologies. Essential information technology concepts such as computer hardware & software, databases, network, big data & cloud computing, and security. Study of information systems in businesses, organizations, & society, including enterprise information systems, information system acquisition & development, and electronic commerce, as well as ethical, legal, and social issues related to information systems and technologies. Prereq.: MATH 1510 or MATH 1510C (may be taken concurrently) or at least Level 35 on the Mathematics Placement Test. 3 s.h.

Course Readings

Group	Title	Author	ISBN
	CompTIA Tech+ Study Guide Exam FC0-U71, 3rd Edition, Author: Quentin Docter, Published by Sybex, Print ISBN: 9781394288793		

Weekly readings of each chapter.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1	Ch. 1 Core Hardware Components	Quiz 1 & Lab 1 due 8/31
8/31	Chapter 2	Ch. 2 Peripherals and Connectors	Quiz 2 & Lab 2 due 9/9
9/7	Chapter 3	Ch. 3: Computing Devices and The Internet of Things	Quiz 3 & Lab 3 due 9/14
9/14	Chapter 4	Ch. 4: Operating Systems	Quiz 4 & Lab 4 due 9/21
9/21	Chapter 5	Ch. 5: Software Applications	Quiz 5 & Lab 5 due 9/28
9/28	Chapter 6	Ch. 6: Software Development	Quiz 6 & Lab 6 due 10/5
10/5	Chapter 7	Ch. 7: Database Fundamentals	Quiz 7 & Lab 7 due 10/12
10/12	Review Chapters 1-7	Midterm Review	Midterm: Friday 10/16
10/19	Chapter 8	Ch. 8: Networking Concepts and Technologies	Quiz 8 & Lab 8 due 10/26



10/26	Chapter 9	Ch. 9: Cloud Computing and Artificial Intelligence	Quiz 9 & Lab 9 due 11/2
11/2	Chapter 10	Ch. 10: Security Concepts and Threats	Quiz 10 & Lab 10 due 11/9
11/9	Chapter 11	Ch. 11: Security Best Practices	Quiz 11 & Lab 11 due 11/16
11/16	Chapter 12	Ch. 12: Data Continuity and Computer Support	Quiz 12 & Lab 12 due 11/23
11/23	Review Chapters 1-12 for presentation content	Thanksgiving Break (no class 11/25 & 11/27) 11/23: Final Presentation Prep and discussion	
11/30	Review Chapters 8-12 for Final Exam	ABC order presentations and final exam review	
12/7	Review Chapters 8-12	Final Exam on chapters 8-12	

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