

IT Infrastructure (ITI) Certificate

Planning Chart

Undergraduate; minimum 14 semester credits

Name: _____ U of M ID #: _____ Date: _____

This planning guide can help you prepare your course of study.
See course descriptions and schedules at <http://onestop.umn.edu>. Call 612-624-4000 with your questions.

Data Management (14 credits)		Prerequisite(s)*	Credits	Grade	Term
INET 4051	IT Infrastructure Operations (3 cr)	CSCI 4211 or instr permission			
INET 4707	Introduction to Databases (4 cr)	CSCI 4061 or instr permission			
INET 4709	Data Management I: Fundamentals (3 cr)	CSCI 4061 and CSCI 4707 or instr permission			
INET 4711	Data Management II: Distributed Systems (4 cr)				
Data Science (14 credits)		Prerequisite(s)*	Credits	Grade	Term
INET 4051	IT Infrastructure Operations (3 cr)	CSCI 4211 or instr permission			
INET 4707	Introduction to Databases (4 cr)	CSCI 4061 or instr permission			
INET 4061	Data Science I: Fundamentals (3 cr)	INET 4707, CSCI 4707 or instr permission			
INET 4710	Data Science II: Big Data Analytics (4 cr)	INET4031 and INET 4707, or instr permission			
DevOps (14 credits)		Prerequisite(s)*	Credits	Grade	Term
CSCI 4211	Introduction to Computer Networks (3 cr)	CSCI 2021 or instr permission			
INET 4051	IT Infrastructure Operations (3 cr)	CSCI 4211 or instr permission			
INET 4021	DevOps I: Networking Programming (4 cr)	CSCI 4211 or instr permission			
INET 4121	DevOps II: Development Strategies (4 cr)	CSCI 4061, operating systems, and Python, or instr permission			
Networking (14 Credits)		Prerequisite(s)*	Credits	Grade	Term
CSCI 4211	Introduction to Computer Networks (3 cr)	CSCI 2021 or instr permission			
INET 4051	IT Infrastructure Operations (3 cr)	CSCI 4211 or instr permission			
INET 4011	Networking I: Network Administration (4 cr)	CSCI 4211 or instr permission			
INET 4041	Networking II: Emerging Technologies (4 cr)	CSCI 4211 or instr permission			
Security (14 credits)		Prerequisite(s)*	Credits	Grade	Term
INET 4051	IT Infrastructure Operations (3 cr)	CSCI 4211 or instr permission			
INET 4153	Introduction to Security: Policy and Regulations (4 cr)	45 credits and exp w/Windows			
INET 4165	Security I: Principles (3 cr)	CSCI 4061, operating systems, or instr permission			
INET 4007	Security II: Cloud Security (4 cr)				

