

WEEKLY SCHEDULE (COURSE SECTION INFORMATION (CSI))

Term: Fall 2025

CST8182: Networking Fundamentals - Computer Systems Technician

Course Instructors – Fall 2025

Theory Professor - 10, 20		
Lab Professor - 24, 25	Jeje Jap	japi@algonquincollege.com
Lab Prof – 11, 12, 13, and 21	Richard Donnelly	donnelr@algonquincollege.com
Lab Prof – 14	Rotimi Ayodele- Oba	ayodelr@algonquincollege.com
Lab Prof – 22 and 23	Gurpreet Singh	sidhug@algonquincollege.com

Learning Resources

- Online curriculum from <http://netacad.com>
- Laptop that meets the [BYOD requirements](#) for the program
- Packet Tracer 8.2.2 (available from NetAcad)
- A reliable Internet connection
- A reliable web-cam

Evaluation Breakdown

Assessment	Value	CLOs
Quizzes/Tests	5% total (1% each)	1,2,3,5,6,7
Midterm Exam (Covers 1 st half of semester)	25%	1,2,3,5,6
Final Exam (Covers 2 nd half of semester)	30%	1,2,3,5,6
Lab Activities	10%	2,3,4,5,6
SBA#1 (Skills Based Assessment)	15%	3,4,5,6
SBA#2 (Skills Based Assessment)	15%	3,4,5,6

Minimum Requirements to Pass the Course

All students must meet the following minimum requirements to be eligible to pass:

- **Mandatory Labs**
 - Attend at least 8 of 10 compulsory labs in your own lab section.
 - You are responsible for learning any material missed.
- **Skill-Based Assessments (SBAs)**
 - Both SBAs must be completed.
 - There are **no make-up tests or assignments** for failed SBAs.
 - If you miss SBA #1 with a valid reason, its weighting will be applied to SBA #2.
 - A **minimum passing grade of 15/30** is required across **SBAs**.
- **Midterm(s) and Final Exam**
 - Both midterms and the final exam must be completed.
 - There are **no make-up tests or assignments** for failed exams.
 - A **combined minimum passing grade of 27.5/55** is required across **the midterm(s) and final exam**.
- **Lab assignment late submission policy**
 - Late submissions will be subjected to 10% mark deduction per day.

⚠ Failure to meet any of the above requirements will result in a final grade of “F.”

Learning Schedule (subject to change with notification)

Date	Weekly Theme and Learning Outcomes	Learning Activities	Quiz	Resources
Week 1 (Sep 2)	<ul style="list-style-type: none"> Getting started in CST8182 Introduction to Networking Packet Tracer and Wireshark Installation 	<ul style="list-style-type: none"> Read Module 1 Complete "Week One Tasks" Complete "Course Info Quiz" 		<ul style="list-style-type: none"> Netacad.com Brightspace content
Week 2 (Sep 8)	<ul style="list-style-type: none"> Lab familiarization Introduction to addressing and number system. Introduction to Wireshark Introduction to Packet Capture Testing basic connectivity Basic end device configuration 	<ul style="list-style-type: none"> Read Module 2 and 5 Complete Lab 1 		<ul style="list-style-type: none"> Netacad.com Brightspace Lab equipment
Week 3 (Sep 15)	<ul style="list-style-type: none"> Basic switch configuration Protocols and Models 	<ul style="list-style-type: none"> Read Module 3 and 4 Complete Lab 2 		<ul style="list-style-type: none"> Netacad.com Brightspace Lab equipment
Week 4 (Sep 22)	<ul style="list-style-type: none"> OSI Model: Physical layer 	<ul style="list-style-type: none"> Read modules 6, 7 & 9 Complete Lab 3 	Quiz 1: Modules 1 – 2 and IP addressing	<ul style="list-style-type: none"> Netacad.com Brightspace Lab equipment
Week 5 (Sep 29)	<ul style="list-style-type: none"> OSI Model: Data Link layer Ethernet Switching ARP 	<ul style="list-style-type: none"> Read Modules 8 & 10 Complete Lab 4 		<ul style="list-style-type: none"> Netacad.com Brightspace Packet Tracer
Week 6 (Oct 6)	<ul style="list-style-type: none"> OSI Model: Network layer Basic Router Configuration Default Gateways 	<ul style="list-style-type: none"> Read Module 8 Complete Lab 5 	Quiz 2: Modules 3 to 7	<ul style="list-style-type: none"> Netacad.com Brightspace Packet Tracer/Lab equipment

Week 7 (Oct 13)	Mid-Term Exam (25%)	<ul style="list-style-type: none"> • Study Modules 1-10 • SBA 1 (in lab classes) (15%) 		<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 8 (Oct 20)	Break Week			
Week 9 (Oct 27)	<ul style="list-style-type: none"> • IPv4 Addressing • VLSM 	<ul style="list-style-type: none"> • Read Module 11 & 12 • Complete Lab 6 		<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 10 (Nov 3)	<ul style="list-style-type: none"> • Subnetting IPv4 • IPv6 Addressing 	<ul style="list-style-type: none"> • Read Modules 11 & 12 • Complete Lab 7 	Quiz 3: Modules 8 to 10	<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 11 (Nov 10)	<ul style="list-style-type: none"> • ICMP • OSI Model: Transport layer 	<ul style="list-style-type: none"> • Read Modules 13 & 14 • Complete Lab 8 		<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 12 (Nov 17)	<ul style="list-style-type: none"> • Default Routes • DHCP • OSI Model: Application layer 	<ul style="list-style-type: none"> • Read Modules 15 • Complete Lab 9 	Quiz 4: Modules 11 to 13	<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 13 (Nov 24)	<ul style="list-style-type: none"> • Network security fundamentals • Build a small network 	<ul style="list-style-type: none"> • Read Module 16 & 17 • Complete Lab 10 		<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 14 (Dec 1)	Final Exam Review	<ul style="list-style-type: none"> • SBA 2 (in lab classes) (15%) 	Quiz 5: Modules 14 - 15	<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment
Week 15 (Dec 8)	Final Exam (30%)	Study Modules 11-17		<ul style="list-style-type: none"> • Netacad.com • Brightspace • Packet Tracer/Lab equipment

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Policy on Artificial Intelligence (AI) use for CST8182

Use Prohibited

The educational value of this course lies not only in the mastery of course content but also in the process of engaging first with the material. The work you do in this course is intended to strengthen original thought, critical thinking, and individual problem-solving skills. The use of generative AI to complete work compromises the learning process and the achievement of course learning requirements.

Under [Algonquin College Policy AA48 – Academic Integrity](#), “Academic work submitted by learners is evaluated on the assumption that the work presented by the learner is their own” and defines contract cheating as “[a] third-party completing work, with or without payment, for a learner, who then submits the work as their own, where such input is not permitted.” Using content generated by AI and claiming it as your own work is considered contract cheating. Violations of these expectations will be brought forward as instances of academic misconduct under this policy.