Miami Dade College

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CTS 1134	Networking Technologies	4		CompTIA Network+
CTS 1650	CCNA 1: Cisco Fundamentals	4	**Note:** Course offered during mini terms. Students should take CTS 1650 during the first half of the term, followed by CTS 1651 during the ladder half.	CCNA
CTS 1651	CCNA 2: Routing and Switching	4	Prerequisite: CTS 1650 **Note:** Course offered during mini terms. Students should take CTS 1650 during the first half of the term, followed by CTS 1651 during the ladder half.	CCNA
	Semester Credits	**8**		

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CIS 1949 **or** CIS 2900	Co-op Work Experience 1: CIS **or** Directed Information Technology Study	1		
CTS 1120	Cybersecurity Fundamentals	4	Recommended preparation: prior knowledge of networking technologies. **Note:** Students are highly recommended to take CTS 1134 prior to, or concurrently with CTS 1120. If enrolled in mini terms, students should take CTS 1134 during the first half of the term, followed by CTS 1120 during the ladder half.	CompTIA Security+
CTS 2652	CCNA 3: Advanced Routing and Switching	4	Prerequisite: CTS 1651	CCNA
	Semester Credits	**8**		
	Program Total	**21**		

Academic Pathway at MDC: The College Credit Certificate in Cisco Certified Network Associate is a pathway to the Associate in Science (AS) in Networking Services Technology with a concentration in Network Infrastructure (Plan Code: 25062). You may additionally want to explore the other available concentration for the AS, Enterprise Cloud Computing (Plan Code: 25077). The AS in Networking Services Technology leads to the BS in Information Systems Technology.

To learn more about program courses, see the College Catalog. Certain courses in this program will prepare you for in-demand industry certifications and costs of exams may be eligible for reimbursement. You may also accelerate your studies via credit for prior learning or credit for attained industry certifications. Learn more.

![Miami Dade College]

COURSE SEQUENCE GUIDE – THREE SEMESTERS
Cisco Certified Network Associate (CCNA)
College Credit Certificate | Code: 66050 | 21 credits
Effective Term: Fall 2023 (2237)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CTS 1134	Networking Technologies	4		CompTIA Network+
CTS 1650	CCNA 1: Cisco Fundamentals	4		CCNA
	Semester Credits	**8**		

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CTS 1651	CCNA 2: Routing and Switching	4	Prerequisite: CTS 1650 **Note:** Course offered during mini terms. Students should take CTS 1651 during the first half of the term, followed by CTS 2652 during the ladder half.	CCNA
CTS 2652	CCNA 3: Advanced Routing and Switching	4	Prerequisite: CTS 1651 **Note:** Course offered during mini terms. Students should take CTS 1651 during the first half of the term, followed by CTS 2652 during the ladder half.	CCNA
	Semester Credits	**8**		

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CIS 1949 **or** CIS 2900	Co-op Work Experience 1: CIS **or** Directed Information Technology Study	1		
CTS 1120	Cybersecurity Fundamentals	4	Recommended preparation: prior knowledge of networking technologies. **Note:** Students are highly recommended to take CTS 1134 prior to, or concurrently with CTS 1120. If enrolled in mini terms, students should take CTS 1134 during the first half of the term, followed by CTS 1120 during the ladder half.	CompTIA Security+
	Semester Credits	**5**		
	Program Total	**21**		