



CYBER DEFENCE AND CLOUD ADMINISTRATION NETWORK AND SYSTEMS ADMINISTRATOR 2022-2023 SUPPLY LIST

The following items are required for this program unless otherwise noted. Students are asked to purchase a computer that meets the requirements below in advance of the first day of class. Instructors will provide further information, including textbooks, in class. All costs are approximate and the responsibility of the student.

Supplies Required	Approximate Cost
Minimum of (2) two re-usable non-medical grade masks <i>Note: Disposable masks are an acceptable alternative. Cost may vary.</i>	\$20.00
Locker rental, optional	\$40.00
Combination lock for locker, if applicable	\$10.00
Domain name for the program	\$30.00
Notebook/Journal	\$20.00
Computer that meets the requirements noted below	\$1,200.00 to \$2,000.00

Device Type	System Requirements*
Laptop	16 GB RAM Intel Core i7, 11 th gen (4 cores, 8 threads) or equivalent, 250 GB (or greater) SSD Webcam built-in or separate
Headphones with microphone	Wired/Wireless
External SSD drive	1 TB
Operating System	Windows 10 Professional (or greater) with administrator privileges. Apple Operating Systems will be incompatible with most content and are not supported by our instructional team.

* While cost can be a factor, the more modern and powerful a machine that you are able to acquire, the greater your program experience will be. The program team recommends investing in a powerful machine which will continue to serve you in your career as an IT professional.

Required Textbooks/Workbooks:

Below is a detailed list of textbooks. Students are responsible for purchasing their books.

Important Notes:

1. Digital versions of the textbooks are recommended
2. This program uses a combination of on-line curriculum and e-books.
3. Information on how and where to purchase textbooks will be provided by instructors prior to the start of each course. **It is recommended that students wait until the start of each class prior to purchasing any textbooks.**
4. Many of our third-party vendor-driven courses contain their own curriculum and do not require textbooks.
5. All classroom reference books, resources, supplies and/or equipment provided by the instructor are to be returned to the instructor at program completion.
6. Manitoba Institute of Trades and Technology (MITT) does not operate a book or supply store.

Textbook List:

- Please see textbook list information on pages 3 – 5 of this document. **Be certain you are looking at the chart for your program.**

Reference Books, Supplies and/or Equipment:

- The Instructor will distribute any additional book(s), case studies, supplies and/or equipment for student use during the program.
- All classroom reference books, resources, supplies and/or equipment are to be returned to the Instructor at program completion.

NETWORK AND SYSTEMS ADMINISTRATOR

Course Code	Course Title	Text Book Title	ISBN	Publisher	Approximate Cost (CAD)
NSA-200	A+ IT Essentials	Curriculum from Cisco Network Academy; No text book required			
NSA-400	Cisco CCNA I: Introduction to Networks	Curriculum from Cisco Network Academy; No text book required			
NSA-410	Cisco CCNA II: Switching, Routing, and Wireless Essentials	Curriculum from Cisco Network Academy; No text book required			
NSA-430	System Administration I: Windows Server Fundamentals	Hands-On Microsoft Windows Server 2019	9780357436271, 035743627X	Cengage Learning	\$77
NSA-420	Cisco CCNA III: Enterprise Networking, Security & Automation	Curriculum from Cisco Network Academy; No text book required			
NSA-440	System Administration II: Azure Fundamentals	Azure Fundamentals: Exam AZ-900 (Student Edition)	9781646853311, 1646853318	30 Bird Media	\$70
NSA-440	System Administration II: Azure Fundamentals	Azure Subscription		Microsoft	\$150
NSA-450	System Messaging Administration	Mastering Microsoft Exchange Server 2016 Second Edition	978-1-119-23207-0		\$65
NSA-450	System Messaging Administration	Pro Exchange 2019 and 2016 Administration: For Exchange On-Premises and Office365			\$75
NSA-460	Red Hat Linux System Administration I	Red Hat Academy Curriculum: Red Hat System Administration I (Student workbook)		Red Hat Academy	
NSA-240	Network Security	CompTIA CertMaster Learn + Labs for Security+ (SY0-601)	978-1-64274-329-6	CompTIA	\$200
NSA-470	Network and Systems Administrator Capstone	No text book required			

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Course Code	Course Title	Text Book Title	ISBN	Publisher	Year (Subject to scheduling)	Approximate Cost (CAD)
NSA-200	A+ IT Essentials	Curriculum from Cisco Network Academy; No text book required			1	
NSA-400	Cisco CCNA I: Introduction to Networks	Curriculum from Cisco Network Academy; No text book required			1	
NSA-410	Cisco CCNA II: Switching, Routing, and Wireless Essentials	Curriculum from Cisco Network Academy; No text book required			1	
NSA-430	System Administration I: Windows Server Fundamentals	Hands-On Microsoft Windows Server 2019	9780357436271, 035743627X	Cengage Learning	1	\$77
NSA-420	Cisco CCNA III: Enterprise Networking, Security & Automation	Curriculum from Cisco Network Academy; No text book required			1	
NSA-440	System Administration II: Azure Fundamentals	Azure Fundamentals: Exam AZ-900 (Student Edition)	9781646853311, 1646853318	30 Bird Media	1	\$70
NSA-440	System Administration II: Azure Fundamentals	Azure Subscription		Microsoft	1	\$150
NSA-450	System Messaging Administration	Mastering Microsoft Exchange Server 2016 Second Edition	978-1-119-23207-0		1	\$65
NSA-450	System Messaging Administration	Pro Exchange 2019 and 2016 Administration: For Exchange On-Premises and Office365			1	\$75
NSA-460	Red Hat Linux System Administration I	Red Hat Academy Curriculum: Red Hat System Administration I (Student workbook)		Red Hat Academy	1	
NSA-240	Network Security	CompTIA CertMaster Learn + Labs for Security+ (SY0-601)	978-1-64274-329-6	CompTIA	1	\$200
NSA-470	Network and Systems Administrator Capstone	No text book required			1	

CDCA-170	Cisco Certified Network Professional (CCNP) Enterprise Core	CCNP Enterprise Advanced Routing ENARSI 300-410 Official Cert Guide	9780135262078, 0135262070	Cisco Press PTG	2	\$60
CDCA-080	Traffic Monitoring and Analysis	Practical Packet Analysis	9781593278298, 1593278292	No Starch Press (RHPS)	2	\$55
CDCA-220	AWS Cloud Foundations	AWS Academy Cloud Foundations, No text book required		AWS Academy Curriculum	2	\$75
CDCA-200	System Administration III: Azure Administration	Azure Subscription		Microsoft	2	\$150
CDCA-110	Vmware Virtualization Infrastructure	Curriculum from Vmware IT Academy, No text book required		VMWare IT Academy	2	
CDCA-210	Python Scripting	Curriculum from Cisco Network Academy; No text book required			2	
CDCA-120	Digital Forensics	Hands-on Incident Response and Digital Forensics	9781780174228, 1780174225	BCS, The Chartered Institute for IT	2	\$45
CDCA-140	Applied Penetration Testing	CompTIA CertMaster Learn + Labs for PenTest+ (PT0-002)	978-1-64274-376-0	CompTIA	2	\$200
CDCA-230	Red Hat Linux System Administration II	Red Hat System Administration II (Student workbook)		Red Hat Academy Learning Platform	2	
SD-160	Technical Writing Skills	No text book required			2	
CDCA-240	Firewall Applications	Curriculum from Check Point Secure Academy Curriculum & Palo Alto Networks Academy			2	
CDCA-250	AWS Cloud Operations	AWS Academy Cloud Architecting, No text book required		AWS Academy Curriculum	2	
CDCA-150	Project Management for IT	Information Technology Project Management	9781337515856, 133751585X	Cengage Learning	2	\$75
CDCA-160	Cyber Defence and Cloud Administration Practicum	No text book required			2	