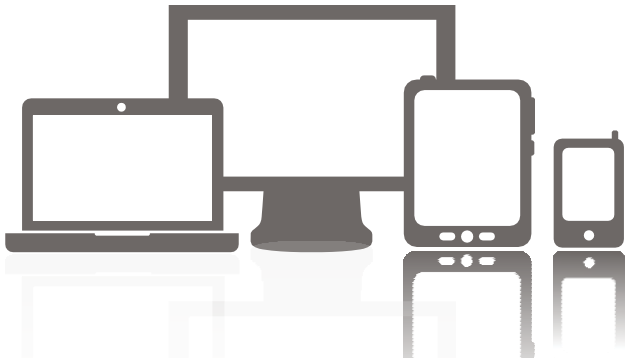
BYOD



Bring Your Own Device (BYOD) Program Model

Fall 2021

College of the North Atlantic

In Fall 2021, all CNA students will be expected to have their own computer for use in their program of studies. All programs do not have the same technology requirements, so the college has identified four levels of computers based on the technology used throughout your entire program of studies. You can purchase any device as long as it meets the specific minimum hardware requirements for your program.

For portability and productivity reasons, the college does recommend purchasing laptop devices.

Google Chromebooks are not recommended for use by students at CNA. CNA operates predominantly in a Windows based environment (Outlook e-mail, MS Office 360, etc.) and compatibility and accessibility issues with Chromebooks exist. Additionally, many of the software programs associated with course textbooks require a Windows operating environment for their use. Please refer to the laptop specifications outlined in this document when purchasing a computer for your upcoming program of studies.

All students must have access to the internet to allow for a full educational experience. Students may access free Wi-Fi when working on campus.

Software Note: Adobe Creative Cloud - Please note this software package will be available on site for student use. It will not be available to students off campus.

NOTE for Apple/MAC users: You may need to install boot camp on your device to access some programs with Windows-based software, but before proceeding please touch base with your Instructor or Campus Administrator to determine if this is necessary.

Students enrolled in the following programs are strongly encouraged to purchase a student subscription for this product:

- Art and Design Essentials (Requires Adobe Photography plan and not full creative cloud)
- Digital Filmmaking (Requires Adobe Photography plan and not full creative cloud)
- Graphic Communications
- Graphic Design
- Journalism
- Video Game Art and Design
- Enterprise Web Development

	Model A	Model B	Model C	Model D
	Minimum	Medium	High	Ultra
Processor	Multi Core (i5)	Multi Core (i7)	6th Generation Core Intel i7 or higher	6th Generation Core Intel i7 or higher (4GHz +)
Operating System	Windows 10 - Security Updates Applied	Windows 10 - Security Updates Applied	Windows 10 - Security Updates Applied	Windows 10 - Security Updates Applied
Memory	8 GB or more	16 GB or more	16 GB or more	32 GB or more
Hard Drive	250 GB or more	500 GB or more	1 TB or more	500GB SSD or more
Optical Device	DVD-RW (optional)	DVD-RW (optional)	DVD-RW (optional)	DVD-RW (optional)
Wireless LAN	Wi-fi wireless ac	Wi-fi wireless ac	Wi-fi wireless ac	Wi-fi wireless ac
Network	Gigabit Ethernet (optional)	Gigabit Ethernet (optional)	Gigabit Ethernet	Gigabit Ethernet
Collaboration	Web cam Headphones Microphone	Web cam Headphones Microphone	Web cam Headphones (Headset recommended) Microphone	Web cam Headphones (Headset recommended) Microphone
Display			1920 x 1080 HD Resolution 17" Screen recommended	921 x 1080 HD Resolution 17" Screen recommended
Video Card			Dedicated 4GB Memory Minimum (6-8GB recommended) Minimum: NVIDIA GeForce GTX 1070 Recommended: NVIDIA GeFOrce RTX series 2060 or higher	NVIDIA Quadro P4000/5000 or AMD Radeon Pro WX 8200/9100
Expansion Ports	External Display port, External Microphone/ Line-In, Headphone/Line out, USB, HDMI	External Display port, External Microphone/ Line-In, Headphone/Line out, USB, HDMI	External Display (HDMI preferred), External Microphone/Line-In, Headphone/Line out, USB	External Display (HDMI preferred), External Microphone/ Line-In, Headphone/ Line out, USB
Mac Users	You may need to install boot camp on your device to access some programs with Windows-based software, but before proceeding please touch base with your Instructor or Campus Administrator to determine if this is necessary.	You may need to install boot camp on your device to access some programs with Windows-based software, but before proceeding please touch base with your Instructor or Campus Administrator to determine if this is necessary.	You may need to install boot camp on your device to access some programs with Windows-based software, but before proceeding please touch base with your Instructor or Campus Administrator to determine if this is necessary.	You may need to install boot camp on your device to access some programs with Windows-based software, but before proceeding please touch base with your Instructor or Campus Administrator to determine if this is necessary.

School	Program	Model	Comment
School of Academics, Applied Arts and Tourism	Aboriginal Bridging Program	A*	*Students may wish to purchase the computer that meets the requirements for the program they wish to enroll following this Access program.
	Comprehensive Arts & Science (CAS) Transfer: College-University	B	
	Comprehensive Arts & Science (CAS) Transition	B*	*Students may wish to purchase the computer that meets the requirements for the program they wish to enroll following this Access program.
	Cultural Culinary Arts & Tourism	A	
	Tourism & Hospitality	A	
	Tourism & Hospitality Services	A	
	Applied Music	B	
	Art & Design Essentials	C	
	Community Leadership Development	A	
	Community Recreation Leadership	A	
	Digital Animation	D	
	Digital Filmmaking	D	
	Early Childhood Education	A	
	Graphic Communications	C	
	Graphic Design	C	
	Journalism	C	
	Journalism (Post Diploma)	B	
	Sound Recording & Production	B	
	Textile & Apparel Design	A	
	Video Game Art & Design	D	

School	Program	Model	Comment
School of Business and Information Technology	Business Administration	A	Note to all School of Business students: The availability of a second monitor is highly recommended when studying computerized accounting/bookkeeping.
	Business Administration (Accounting)	A	
	Business Administration (General)	A	
	Business Administration (Human Resource Management)	A	
	Business Administration (Marketing)	A	
	Business Management (Accounting)	A	
	Business Management (Human Resource Management)	A	
	Business Management (Marketing)	A	
	Business Management (Marketing)	A	
	Executive Office Management	A	
	Office Administration (Legal)	A	
	Office Administration (Medical)	A	
	Office Administration (Records and Information Management)	A	
	Accelerated Software Development	C	Note to all School of Information Technology students: The availability of a second monitor is highly recommended.
	Computer Systems and Networking	D	
	Information Management (Post Diploma)	A	
	Programmer Analyst (Business) Co-op	C	
	Software Development (Co-op)	C	
	Enterprise Web Development	C	

School	Program	Model	Comment
School of Engineering and Natural Resources	Agriculture Technician Co-op	B	
	Architectural Engineering Technology	C	
	Chemical Process Engineering Technology (Co-op)	B	
	Civil Engineering Technology (Co-op)	C	
	Computing Systems Engineering Technology (Co-op)	B	
	Electrical Engineering Technology (Power & Controls) Co-op	B	
	Electronic Systems Engineering Technology (Co-op)	B	
	Electronics Engineering Technology (Biomedical)	B	
	First Year Engineering Technology (FYET)	B*	*Students may wish to purchase the computer that meets the requirements for the program they wish to enroll following this year 1 program.
	Environmental Engineering Technology (Co-op)	B	
	Environmental Engineering Technology - Advanced Diploma	B	
	Fish and Wildlife Technician	B	
	Forest Resources Technician	B	
	Geomatics/Surveying Engineering Technology (Co-op)	D	
	GIS Application Specialist (Post Diploma)	C	
	Industrial Engineering Technology (Co-op)	B	
	Instrumentation and Controls Engineering Technology	B	
	Mechanical Engineering Technology	D	
	Mechanical Engineering Technology Manufacturing (Co-op)	D	
	Petroleum Engineering Technology (Co-op)	D	
	Power Engineering Technology	B	
	Welding Engineering Technician	B	

School	Program	Model	Comment
School of Health Sciences	Advanced Care Paramedicine	A	
	Diagnostic Ultrasonography	A	
	Medical Laboratory Assistant	A	
	Medical Laboratory Technology	A	
	Medical Radiography	A	
	Personal Care Attendant (PCA)	A	
	Practical Nursing	A	
	Primary Care Paramedicine	A	
	Rehabilitation Assistant (OTA & PTA) (DL)	A	
	Respiratory Therapy	A	
	X-Ray Skills	A	
School of Industrial Trades	**All** programs except Renovation Technician	A	
	Renovation Technician	B	

Product costs may vary by brand and where the product is sourced (online/retail/outlet/refurbished). Below is an estimated cost based on an average of 2 to 3 retailers per model.

Model	Estimated Cost
A	900
B	1300
C	2500
D	3800

Logitech Webcam	115
Headset	99

Adobe Creative Cloud	$30/month