

College of the North Atlantic

Video Game Art & Design

Tools and Equipment

Updated August 29, 2024



FOR STUDENTS BEGINNING IN FALL 2024 AND GRADUATING IN JUNE 2027

Some materials and supplies will be purchased in Year 1 will be used throughout the 3-year program, such as technology and basic drawing supplies. It is suggested that you check with each instructor at the beginning of the semester because software and textbooks may change, and new editions may be adopted. Some art and video editing software used requires a paid Adobe subscription, some 3D modeling software and game engine software TBD for each course, may be free (or free educational) versions, however license agreements and course choices fluctuate.

SOURCING ART SUPPLIES & TECHNOLOGY: Here are some examples of places to buy the items

Online

- Michael's (<https://canada.michaels.com>)
- Above Ground Art Supplies (www.abovegroundartsupplies.com/)
- Amazon (www.amazon.ca)
- Curry's (www.currys.com/default.htm)
- BestBuy (<https://bestbuy.ca>)
- NewEgg (<https://newegg.ca>)
- Polymer Clay Canada (best for Sculpey products) (www.polymerclaycanada.com)

St. John's, NL

- Michael's (36 Stavanger Dr. St. John's, NL)
- Art Cansel (1133 Topsail Road, Mount Pearl, NL)
- Best Buy (3 Stavanger Dr., St. John's, NL)
- Walmart has some art supplies

COMPUTER WORKSTATION/DESKTOP AND PERIPHERALS:

- Windows gamer workstation with a powerful graphics card* A desktop computer is recommended (if looking at a gamer laptop, make sure the same minimum requirements are met). Prices fluctuate, estimated at around \$2500.00
- Specifications of minimum computer requirements:
 - Intel Core i7 or AMD Ryzen 7, or better
 - 32GB RAM or better
 - Nvidia RTX 3070 or better (graphics card) with 8GB video memory
 - Windows 10 or 11
 - Multiple USB 3.0 Type A and C ports
 - Internet capability
 - Quality sound card (minimum stereo sound capability and headphone/speaker outputs, audio/mic inputs)
 - VR ready

*Note: If you already have a computer that meets the minimum requirements of Adobe Photoshop CC and online courses in general, you may use this for Year 1 and choose to wait by Fall of Year 2 to purchase the more powerful computer described here.

- (Winter Semester 2, Year 1) Digital Drawing Display/Monitor/Screen - Such as the Huion Kamvas Pro 12 (or larger) (prices fluctuate, estimated at around \$300.00) or Wacom One.
- All online courses require a computer, internet access, webcam with microphone & headset (such as: a gamer headset or Cyber Mono USB Headset example: CDW Canada. Mfg#: AC840).

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BACKUP: In case your main hard drive fails, you are responsible to keep organized backups of your work on a daily basis. All Year 1, 2 & 3 courses require that you continuously back up your work on either an external hard drive (such as USB powered), or a cloud service such as One Drive or Adobe cloud, or on a second hard drive inside your computer. (such as: 1TB SSD / 1TB HDD and/or cloud service)

VR Note: A VR headset is required by Year 3, brand and specs are to be determined closer to the time as needed. Device prices & models fluctuate, it could be approximately \$350.00 plus taxes. (Check with Instructor Greg Wells closer to Year 3)

***Instructor may suggest additional/substitute supplies and textbooks for the courses, check at the start.**

Semester 1	FALL
Courses	Tools & Equipment
CM1100	TEXTBOOK: Simon & Schuster Handbook for Writers*
GD1130	N/A
HY1120	TEXTBOOK: Art: A Brief History* available on Vitalsource.ca
PY1150	<ul style="list-style-type: none"> ○ Digital Single Lens Reflex (DSLR) camera OR camera or cell phone which can take high-quality photographs ○ Adobe Photoshop CC software
VA1110	<ul style="list-style-type: none"> ○ Sketch Pad by Artist's Loft, 9" x 12" 80 sheets, 50lb (or similar) ○ Faber Castell Pitt Artist Pen Set - Black set of 4 (or similar) ○ Winsor & Newton™ Studio Collection™ Sketching Pencil 10pc Tin Set (or similar; drawing pencils 2B, 6B, 8B, black, sepia and white charcoal pencils, sharpener, eraser, blending tool) <p>TEXTBOOK: Design Basics* available on Vitalsource.ca</p>
VA1115	Same as VA1110
VA1400	<ul style="list-style-type: none"> ○ Strathmore 300 Series Cold Press 140-Pound 12-Sheet Watercolor Paper Pad, 9 by 12-Inch (or similar) ○ Royal & Langnickel® Menta™ Synthetic Squirrel Watercolour 5 Piece One-Stroke Variety Brush Set (or similar) ○ W&N Cotman Watercolour Pocket Plus Set (includes palette & brush) (or similar) ○ (Other supplies same as VA1110) <ul style="list-style-type: none"> • Sketch Pad by Artist's Loft, 9" x 12" 80 sheets, 50lb (or similar) • Faber Castell Pitt Artist Pen Set - Black set of 4 (or similar) • Winsor & Newton™ Studio Collection™ Sketching Pencil 10pc Tin Set
Semester 2	WINTER
CM1521	N/A
GD1120	N/A
GD1140	N/A
HY1130	TEXTBOOK: Art: A Brief History* available on Vitalsource.ca
VA1120	<ul style="list-style-type: none"> ○ Digital Drawing Display - Such as the Huion Kamvas Pro 12, or Wacom One Drawing Tablet with Screen (or larger) ○ Adobe Photoshop Creative Cloud software

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	TEXTBOOK: Adobe Photoshop CC Classroom in a Book* available on Vitalsource.ca
VA1140	Same as VA1110
VA1170	<ul style="list-style-type: none"> ○ Sketch Pad by Artist's Loft, 9" x 12" 80 sheets, 50lb (or similar) ○ Good Quality Scissors ○ Clear tape such as Scotch Magic Tape ○ Glue stick for school & crafts such as Elmer's or Uhu ○ Sculpey ASSD01 Style and Detail Tools, Set of 3 (or similar) ○ Sculpey SS1 Super-, 1 Pound oven-bake (beige or other colour) or OR air-dry option: Sculpey AD2222 Air Dry Clay ○ Premium Sculpting & Armature Wire By Craft Smart, 0.055" x 32ft (or similar) ○ Long nose pliers with wire cutter ○ TEXTBOOK: Design Basics* available on Vitalsource.ca
Semester 3	FALL
CM2200	N/A
GD1150	<ul style="list-style-type: none"> ○ PlayMaker for Unity License for Windows – buy from Unity Store (Check with Instructor first as this may be updated) ○ Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.) TEXTBOOK: The Art of Game Design: A Book of Lenses*
GD1160	<ul style="list-style-type: none"> ○ Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.) TEXTBOOK: The Animator's Survival Kit: A Manual of Methods, Principles and Formulas for Classical, Computer, Games, Stop Motion and Internet Animators*
GD1170	<ul style="list-style-type: none"> ○ Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD1180	Same as GD1170
Semester 4	WINTER
CM1400	TEXTBOOK: Technical Communications*
GD1600	N/A
GD2110	<ul style="list-style-type: none"> ○ Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD2121	<ul style="list-style-type: none"> ○ Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD2130	TEXTBOOK: Video Game Storytelling: What Every Developer Needs to Know about Narrative Techniques*
Semester 5	INTERSESSION
GD2140	<ul style="list-style-type: none"> ○ Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)
GD2150	Same as GD2140
GD2160	N/A
Semester 6	FALL
GD3100	<ul style="list-style-type: none"> ○ Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance

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	Suite etc.) ○
GD3110	Same as GD3100
GD3120	Same as GD3100
GD3130	Same as GD3100
EP1100	TEXTBOOK: (May change, check with Instructor at beginning of course) Canadian Entrepreneurship and Small Business Management*
Semester 7	WINTER
GD3140	○ Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)
GD3150	Same as GD3140
GD3160	○ Same as GD3140
GD3170	○ Same as GD3140
GD3190	○ Same as GD3140 ○ VR Headset tbd
Semester 8	INTERSESSION
GD3180	○ Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)