Architectural Technology (Advanced Diploma)

Meet our students

Our students learn core architecture skills such as CAD software, building and assembly systems, document preparation and envelope detailing. Throughout their program, these students are studying specialized topics such as urban design, adaptive re-use of existing structures, renovations, and sustainability standards. Our students build a portfolio through their studies and, during their final year, work on projects with clients in the community.

Learn more about the classes these students take by visiting the program webpage.

Core competencies and skills

- Creating pictorial drawing sketches using freehand techniques (Isometric, Oblique & Perspective).
- Using current AutoCAD software for 2D architectural drafting and constructing 3D models.
- Preparing renderings and walkthroughs using industry standard software.
- Customizing, assembling and constructing 2D and 3D models in Revit.
- Applying the principles of math and science to problem solving.
- Using presentation software such as Adobe Creative Suite to present architectural concepts and ideas.
- Using project management software to set up and manage projects.

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Work term availability

- Winter (January – April)
- Fall (September – December)

Work term capabilities

- Creating architectural drawings to professional drafting standards.
- Executing drawings and details for residential and commercial projects.
- Constructing working models for architectural designs.
- Preparing quality freehand sketches.
- Transferring a conceptual design to a working drawing.
- Customizing AutoCAD for specific needs.
- Estimating cost and material take-offs for residential projects.
- Preparing simple heat loss calculations for a building.
- Calculating simple stresses and selecting preliminary structural elements.
- Writing technical reports and work orders.
- Participating in the preparation of bids, tenders and specs.
- Transferring graphic and textural data between AutoCAD and MS Office.

Employer resources

- Employer webpage
- Program information
- Program course schedule

Post a job

To post a job, log in to our online platform Sheridan Works.

Don't have an account? Create one today using our Employer Registration Guide.

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