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Architectural Technology
Advanced Diploma
Program Code: 03371
Campus: North
Length: 6 semesters

Humber's Architectural Technology advanced diploma program will train you to use your logical and critical thinking skills as you a
You will learn from award-winning professors and licensed architects who bring real-life perspectives and valuable industry contac
computer-aided drawing, building methods and project management using the most current computer programs such as Revit (Bu
construction technologies with materials such as wood frame, steel, masonry and precast concrete, mass timber, and hybrid syste
hands-on skills including building code, building specifications, estimating, construction contract administration, and structural and
sustainable architecture, passive house design and net zero design and construction methods needed to reduce carbon emissions
Courses include instruction in visual representation, history of architecture, building science, site planning and technical communi
This program offers a co-op option. Participating in optional co-operative education placements will enable you to gain valuable ha
While optional co-operative education opportunities are not guaranteed, as students are in a competitive job placement market, pa

Courses

Semester 1
ARC 100: Autocad 1
ARC 121: Drafting and Detailing: House Design
ARC 122: Visual Representation
ARC 155: Materials and Methods 1: Wood Construction
TMTH 105: Technical Mathematics 1
WRIT 120: Technical Reading and Writing Skills

Semester 2
ARC 153: Structures
ARC 156: Drafting and Detailing: Steel and Masonry
ARC 200: Materials and Methods 2: Steel & Masonry
ARC 212: Building Information Modeling 1 (BIM)
ARC 254: Ontario Building Code
WRIT 220: Technical Workplace Writing Skills

Semester 3
ARC 215: Drafting and Detailing Mass Timber
ARC 216: Materials and Methods 3 Mass Timber
ARC 252: Building Information Modeling 2 (BIM)
ARC 317: Building Science
GNED 101: An Introduction to Arts and Sciences
Select 1 from the following courses
GNED: General Elective

Semester 4
ARC 154: Sustainable Design
ARC 255: Materials and Methods 4: Concrete
ARC 256: Drafting and Detailing: Concrete
ARC 316: Building Information Modeling 3 (BIM)
ARC 616: Presentation Software
Select 1 from the following courses
GNED: General Elective

Semester 5
ARC 300: Drafting and Detailing: Adaptive Reuse & Addition
ARC 314: Environmental Systems
ARC 320: Contract Administration
ARC 322: Building Information Modeling 4 (BIM)
ARC 353: Architectural Site Planning
Select 1 from the following courses
ARC: Architectural Elective

Semester 6
ARC 253: Estimating
ARC 318: Specification Writing 1
ARC 351: Drafting and Detailing: Hybrid Construction