



## PROGRAM DESCRIPTION

This **Co-op diploma** program focuses on preparing the student to work in a variety of interior design positions. This program will give students theoretical knowledge and the hands-on skills necessary to be successful. Students will create a portfolio that showcases their professional interior design talents.

## LEARNING OBJECTIVES

Upon completion of the program, students will acquire industry standard software and technical skills and the knowledge to apply current industry policies, practices, procedures and tools.

## ADMISSION REQUIREMENTS

- Grade 12 graduate or mature student status (British Columbia, 19 years or older)
- Meet minimum English language proficiency requirements.

## PROGRAM DURATION

Total instructional hours	1040
Total Co-op hours	840
Total program hours	1880
Total program length (weeks)	90

## GRADUATION REQUIREMENTS

- Successful completion of all program courses.
- Successful completion of program coop.

## CAREER OPPORTUNITIES

Upon successful completion graduates will be able to secure entry-level interior design employment, for example as an interior decorator, residential and interior designer.

## PROGRAM BREAKDOWN

Course No.		Hours
IND100	Art & Design Foundation	40
GRD100	Drawing*	40
GRD110	Digital Imaging I	40
GRD120	Digital Illustration I	40
GRD200	Drafting*	40
IND200	Introduction to Interior Design	40

Course No.		Hours
IND110	Digital Drafting I	40
IND210	Building Materials	40
IND220	Space Planning	40
IND230	Human Factors	40
IND310	Building Code	40
IND315	Residential Design Studio	40
IND300	Digital Drafting II	40
IND320	Lighting	40
IND400	Office Design Studio	40
IND410	3D Rendering	40
IND420	Interior Detailing	40
IND500	ID Studio	40
IND330	Eco Design	40
IND430	Commercial Design Studio	40
IND510	Building Information Modeling	40
CAP100	Career Preparation	40
GRD510	Portfolio	80
CAP200	Co-op Prep. Workshop	80
<b>Co-op</b>		<b>840</b>

## DELIVERY METHODS

- In-class instruction
- Distance education
- Combined delivery (both in-class and distance)

**Courses indicated with \* cannot be taken on-line**

### IND100 Art & Design Foundation

This course introduces students to the fundamentals and application of color theory and design. The course includes a short history of design, the physics of color and the fundamentals of the principles of design. Through a wide variety of art and design exercises students will learn to apply theory to artistic practice, learning how to apply basic design principles and color.

### GRD100 Drawing

This course will teach students how to see the world, allowing you to sketch and accurately draw what is around you. Students will learn the fundamental concepts of drawing, how to use basic shapes, forms, lines and patterns, perspective (2/3D), scaling, proportions and lighting in the creation of realistic drawings.



## **GRD110 Digital Imaging I**

This course introduces students to the industry standard digital imaging software – Photoshop. Students will learn the fundamentals of digital image manipulation and production, editing tools and techniques used in print and web production and will apply color and design principles in the creation of original compositions. Topics will include; color correction, layers, selection tools, brushes, masks, blending, filters, and file formats and output.

## **GRD120 Digital Illustration I**

This course introduces students to the industry standard vector-based software used in manipulating photographic and bitmapped imagery and in the production of original illustrations used in magazines, advertising publications, technical documentation, game and video industries. Students will apply the basics of color and design in the creative production of a selection of industry specific illustrations. Topics will include; tools and functions, color palette applications, drawing and painting objects, using and creating masks and transparencies, type, effects, file formats and output.

## **GRD200 Drafting**

This course introduces students to the fundamentals of traditional conventional drafting, using paper and pencil to produce detailed technical drawings.

## **IND200 Introduction to Interior Design**

In this course students will explore how interior design in the western hemisphere has evolved in the last 150 years and how history continues to influence design in the 21<sup>st</sup> century. This information will be used to address a design problem by analyzing, planning for, and creating an interior space. Students will learn how to produce scale drawings, mood and sample boards in the creation and defence of their design solution.

## **IND110 Digital Drafting I**

This course will introduce students to the fundamental tools and techniques of digital drafting using the industry standard software - AutoCAD. Students will become familiar with document windows, set up, tool commands, layers, text, and print and plot diagrams.

## **IND210 Building Materials**

This course will introduce students to the wide variety of materials that can be used in designing interior spaces. Students will learn how materials are designed, manufactured and tested. Students will explore the uses of concrete, stone, glass, wood, metals, and fabrics. Students will be required to incorporate into their design solutions, materials on floors, walls, and ceilings. They will examine the role of architectural woodwork, window and door trim in the design solution process. In response to design problems students will be required to produce material sample boards and sketch reference plans. There will also be a focus on the use of environmental friendly building techniques and products.

## **IND220 Space Planning**

Effective space planning is fundamental to the successful execution of an interior design plan. Students will become familiar with the application of visualization techniques, diagramming, block plans, and matrices as they search for effective solutions to a variety of space problems.

## **IND230 Human Factors**

Our living and working spaces are designed to facilitate the activities we perform there. In this course students will examine the role of anthropometrics, ergonomics, and budgeting on interior planning. Students will be required to apply this information in the design and evaluation of interior design.

## **IND310 Building Code**

In this course students will become familiar with residential and commercial building codes and how they influence and guide the design of interior spaces. Students will learn how to create design solutions that are building code compliant.

## **IND315 Residential Design Studio**

In this course students will solve a residential design problem. Students will choose from one of three residential design problems and propose and defend three possible solutions. The 'client' will make the final choice and each student will take the project to completion by applying residential design best practices.



**IND300 Digital Drafting II**

This course will build upon the tools and techniques learned in Digital Drafting I, introducing students to advanced features, commands, and functions, providing them with the tools to produce more complex designs, create simple 3D solids, and then adding an additional level of complexity to solids and surfaces.

**IND320 Lighting**

We are well aware of the influence of lighting on our everyday activities. Students will learn how to apply the principles, techniques, and changing technologies that are influencing how interior designers use light to achieve a desired effect or outcome.

**IND400 Office Design Studio**

In this course students will solve an office design problem. Students will choose from one of four office design problems, each presenting a different design constraint (floor space, access, financial, location). They will propose and defend three possible solutions. The 'client' will make the final choice and each student will take the project to completion by applying office design best practices.

**IND410 3D Rendering**

Students will learn rendering techniques using industry standard software to create animated 3D walk through of their interior design solutions.

**IND420 Interior Detailing**

Building on what students learned in *Building Materials* students will focus on incorporating finishes on floors, walls, and ceilings. The expressive roll of architectural woodwork, window and door trim will be considered. This course will require students to document a variety of functional areas as well as produce material sample boards and sketch reference plans.

**IND500 ID Studio**

This is a portfolio preparatory course. Students will select what they consider to be their best assignments, and will organize these into a portfolio brief. They will develop a rationale for their selections and will be required to defend their choices. They will

develop a final production plan that will demonstrate how they will raise the quality of their portfolio pieces to at a minimum, a professional industry standard. Upon approval students will proceed finessing their portfolio.

**IND330 Eco Design**

In this course students will explore how to apply existing and emerging environmentally friendly design practices in interior design. Students will study the 'Leadership in Energy and Environmental Design' (LEED) rating system and through a series of focused design exercises will be able to demonstrate how to integrate LEED sustainability best practices in the solution of interior design problems.

**IND430 Commercial Design Studio**

In this course students will explore design problems associated with public, retail, industrial, and institutional spaces. Students will be presented with a design problem and will apply design and system processes to its solution. Working competitively in groups each will propose and defend a design brief. Brief evaluation will use an intra-group and inter-group assessment model. Based on 'client' feedback students will take the project to completion.

**IND510 Building Information Modeling**

This course introduces students to REVIT software. Revit is a *Building Information Modeler* (BIM) software tool used by architects, structural engineers, mechanical, electrical and plumbing engineers, contractors and interior designers. The tool facilitates building design and modeling and allows the various project disciplines to embed additional building construction and design information into REVIT documents for reference.

**CAP100 Career Preparation**

This course prepares students for their job search by introducing them to interviewing skills, resume writing, cover letters, interview preparation, public speaking and an introduction to general customer service.



## **GRD510 Portfolio**

Building on the choices made with respect to their final portfolio design brief created in *ID Studio*, students will focus on perfecting their portfolio pieces so that they clearly reflect a personalized area of interest and expertise, and demonstrate competency mastery. Students will present their final portfolio to a panel of their peers and industry representatives.

## **CAP200 Co-op Preparation Workshop**

This course is to get students familiar with the work culture, communication, employer – employee relationship and all necessary soft skills that are needed to secure a job. This course is spread over all terms and teaches students different levels of skills needed to obtain and keep a job.

## **CO-OP**

Co-op will provide students with the opportunity to apply acquired theory and skills in a practical business setting. Students will gain real world experience working on projects as a member of a team with project deliverables and deadlines.

### **Methods of Evaluation**

Course grading is indicated on each course outline. Generally assessment will consist of quizzes, exams, and assignments.

### **Required Course Material**

Not all courses may have textbooks. Textbooks are listed on the course outline. Textbooks may not be available through the college.

### **Equipment**

Computer and requisite software are provided at the college. No other equipment is required unless otherwise indicated on the course outline.

### **Program**

Course currency and relevancy may change depending on the requirements of industry. The school may make changes at any time. Changes will be effective when made.

### **Other**

For proof of *English Language Proficiency* please refer the Student Handbook.