

# Design

## Program Requirements

### Master of Design (5.0 credits)

The Master of Design program requires the successful completion of 5.0 credits with at least 4.5 credits taken at the 5000 level or higher. A minimum of 1.0 of the required 1.5 elective credits should be selected from outside the M.Des. program and 0.5 elective credits may be taken as a Directed Study. All electives should be chosen in consultation with the Graduate Program Coordinator and exceptions can be made only subject to approval. The program may be completed over two years.

#### Requirements:

<b>Year 1</b>	2.5
<b>Fall Term</b>	
IDES 5101 [0.5]	Interdisciplinary Design Development Seminar
IDES 5102 [0.5]	Research Methods
<b>Winter Term</b>	
IDES 5103 [0.5]	Interdisciplinary Design Development Studio
1.0 credits in elective courses	
<b>Year 2</b>	2.5
<b>Fall Term</b>	
0.5 credit in elective course	
<b>Winter Term</b>	
IDES 5909 [2.0]	Thesis
<b>Total Credits</b>	<b>5.0</b>

## Industrial Design (IDES) Courses

### IDES 5000 [0.5 credit]

#### Directed Studies in Industrial Design

Reading and research tutorials.

### IDES 5101 [0.5 credit]

#### Interdisciplinary Design Development Seminar

Investigation of disciplines involved in design development, with experts in business, engineering, sociology/anthropology, architecture, psychology, human factors, and others. Methods for integrating these different perspectives and ways that personality, leadership, negotiation, conflict management, and teambuilding affect collaboration are examined. Introduction to graduate academic writing.

### IDES 5102 [0.5 credit]

#### Research Methods

Critical analysis of research methods in design and disciplines contributing to design including anthropology, psychology, sociology, and business. Application areas include advanced materials and manufacturing processes, advanced visualization, product interaction design, extreme environments, sustainable design, design and culture, design management, and human-oriented design.

### IDES 5103 [0.5 credit]

#### Interdisciplinary Design Development Studio

Team-based studio projects draw on interdisciplinary design development methods in achieving a common design objective. Projects will be supervised by academic and industry advisors from a wide range of disciplines, and conducted in collaboration with professionals from external organizations. Open to students from other programs. Prerequisite(s): IDES 5101 and IDES 5102 or permission of the School of Industrial Design.

### IDES 5500 [0.5 credit]

#### Special Topics in Industrial Design

Seminar course in contemporary design issues of an interdisciplinary nature. Guided by a faculty member and supported by external professionals.

### IDES 5909 [2.0 credits]

#### Thesis

A comprehensive project that demonstrates the student's ability to conduct critical research in a specific area in which design can contribute to competitive advantage through design planning and interdisciplinary design development processes.

Prerequisite(s): IDES 5101, IDES 5102, and IDES 5103.

#### Summer session:

some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)