

Master's in Vision Science – Option: Visual Impairment and Rehabilitation (English)

SCHOOL OF OPTOMETRY

Overview and specifics

NUMBER	2-656-1-2
LEVEL	Graduate
TYPE	Maîtrise ès sciences (M. Sc.)
CREDITS	45 credits
PROGRAM TYPE	Without dissertation or thesis track

-  Admission in fall
-  Day course
-  Offered at the Montréal
-  Full-time

Resource persons

PROGRAM INFORMATION

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Description

We are pleased to announce a new option in the Master of Science program. This option, offered in English by the School of Optometry at the Université de Montréal, is called Visual Impairment & Rehabilitation.

This program produces professionals who provide rehabilitation services to people of all ages who are blind or who have low vision. There are three concentrations (or tracks) in the program, enabling one to specialize in Low Vision, Orientation & Mobility, or Vision Rehabilitation Therapy. The program is composed of three (3) segments: a 15-credit core segment, common to all 3 concentrations, a 23-credit specialty-area segment, consisting of courses and internships, and a 7-credit research segment. It should be possible for a student to complete the program in 16 months although two full academic years are allowed, if necessary.

Certification through the Academy for Certification of Vision Rehabilitation & Education Professionals

Strengths

A program affiliated with the School of Optometry, whose mission is articulated around three axes: teaching, research and outreach. The School achieves its mission by pursuing the objectives of relevance, quality and openness, and seeks to position the University of Montreal, in the Francophonie as well as internationally, among the leaders for training and research in the science of vision, eye health and rehabilitation in visual impairment.

Career prospects

Examples of possible professions:

- Low Vision Therapist
- Orientation and Mobility Specialist
- Vision Rehabilitation Therapist
- Assistive Technology Instructional Specialist for People with Visual Impairments

Regulations

Studies are governed by the Regulations of the Faculty of Graduate and Postdoctoral Studies and by the following provisions:

1.1 Eligibility requirements To be eligible for admission as a regular student to the M.Sc. (vision sciences) the candidate must:

Option: Visual Impairment & Rehabilitation

- satisfy the general admissions conditions (section XI) set out by the Regulations of the Faculty of Graduate and Postdoctoral Studies
- have completed an undergraduate degree, or its equivalent, in an area of study that adequately prepares one for the chosen graduate field
- have obtained a cumulative GPA at the undergraduate level of 3.0 out of 4.3 or equivalent

Program structure (2-656-1-2)

The Masters is composed of 45 credits. It is offered under the option of Visual Impairment & Rehabilitation option (Segment 72)

Legend: CR: Credit, SC: Schedule, D: Day, E: Evening

SEGMENT 72 RELATING TO THE VISUAL IMPAIRMENT & REHABILITATION OPTION

The credits in this option are distributed as follows : 22 compulsory credits, of which 5 are attributed to the completion of a directed research project, and 23 optional credits.

Block 72A

Compulsory – 15 credits

COURSE	TITLE	CRSC	COURSE	TITLE	CRSC
IDV 6017	Psychosocial Aspects of Visual Impairment	3 E	IDV 6025	Visual Impairment & Related Disabilities	3
IDV 6020	Functional Aspects of Visual Pathology	3 D	IDV 6038	Visual Impairment Across the Lifespan	3 E
IDV 6024	Rehabilitation Services in Visual Impairment	3 D			

Block 72B1 Concentration Orientation & Mobility

Optional – 23 credits

COURSE	TITLE	CRSC	COURSE	TITLE	CRSC
IDV 6003	Fundamentals of Orientation & Mobility	3	IDV 6016	Low Vision & Mobility	3 D
IDV 6004	Intervention Strategies in Orientation & Mobility	3 D	IDV 6031	Assessment in Orientation & Mobility	3
IDV 6007A	Internship in Orientation & Mobility 1	2	IDV 6032	Simulation & Techniques in Orientation & Mobility	3
IDV 6007B	Internship in Orientation & Mobility 2	6			

Block 72B2 Concentration Vision Rehabilitation Therapy

Optional – 23 credits

COURSE	TITLE	CRSC	COURSE	TITLE	CRSC
IDV 6015A	Internship in Vision Rehabilitation Therapy 1	2	IDV 6028	Computer-based Assistive Technology I	3
IDV 6015B	Internship in Vision Rehabilitation Therapy 2	6	IDV 6029	Computer-based Assistive Technology II	3
IDV 6026	Assessment in Vision Rehabilitation	3	IDV 6030	Living with Visual Impairment	3
IDV 6027	Braille and Visual Impairment	3			

Block 72B3 Concentration Low Vision

Optional – 23 credits

COURSE	TITLE	CRSC	COURSE	TITLE	CRSC
IDV 6030	Living with Visual Impairment	3	IDV 6036	Low Vision Intervention III – High-Tech Devices	3
IDV 6033	Assessment in Low Vision	3	IDV 6037A	Low Vision Internship I	2
IDV 6034	Low Vision Intervention I – Enhancing Visual Function	3	IDV 6037B	Low Vision Internship 2	6
IDV 6035	Low Vision Intervention II – Optical Devices	3			

Block 72C

Compulsory - 1 credit

COURSE	TITLE	CRSC
SCV 60011	Research Seminar 1	0
SCV 60012	Research Seminar 2	1

Block 72D

Optional - 1 credit

COURSE	TITLE	CRSC
BIE 6046	Introduction : Ethics in Research	1
MMD 6005	Ethics and Health Research	1

Block 72E Directed Research Project

Compulsory - 5 credits

COURSE	TITLE	CRSC
SCV 68001	Directed Research Project 1	0
SCV 68002	Directed Research Project 2	0
SCV 68003	Directed Research Project 3	5

Research expertise at a glance

Research Priorities:

- Development, evaluation, usability of assistive devices for visually impaired persons
- Rehabilitation strategies across the lifespan for visually impaired persons
- Knowledge Translation in vision rehabilitation
- Quality of Life and Independence through vision rehabilitation
- Visual impairment and hearing loss : deafblindness/ dual sensory impairment
- Braille
- Independent mobility, wayfinding and safety during street-crossing for visually impaired persons

Vision Impairment Research Lab : <http://www.opto.umontreal.ca/wittichlab/en/index.html>

Professors

Consult the list of the department's faculty members and their specializations.

Directory of theses and dissertations

Research news