

# HONOURS BSC OPHTHALMIC MEDICAL TECHNOLOGY

As the diagnosis and treatment of eye diseases, known as ophthalmic medicine, steadily grows in complexity, the demand for health care workers with specialized knowledge and skills in ophthalmic medical technology is growing as well. Ophthalmic medical technologists work with leading-edge equipment, including lasers and imaging systems, to provide quality patient care.

This bachelor's degree program provides students with a two-year foundation in core sciences, followed by third- and fourth-year studies that specialize in ophthalmic medical technology and visual science. The academic training of students registered in the third and fourth years of the program takes place at the University of Ottawa Eye Institute, located on the general campus of the Ottawa Hospital. This program combines clinical, hands-on experience with theoretical training.

Acceptance into the third year of this bachelor's degree program is competitive and includes an interview with the admissions committee. To be considered, students must have successfully completed two full years of prerequisite courses (60 units) with a minimum CGPA of 6.0. The committee selects candidates on the basis of many factors, and it may consider strong, well-rounded candidates from a science background who may or may not have completed all the prerequisites. Each year, a maximum of four students are selected and students should be aware that meeting the basic requirements does not guarantee admission to the program.

Interested students are encouraged to make arrangements to tour the facilities and meet with faculty members and students currently enrolled in the program (appointment required). For more information, please contact Ginette Snook, Departmental Education Program Coordinator, at Gsnook@ottawahospital.on.ca or call 613-737-8899 extension 79422.

The first two years of this program are offered in English and in French. The last two years are only offered in English.

## Program Requirements

Requirements for this program have been modified. Please consult the 2015-2016 calendars (<http://www.uottawa.ca/academic/info/register/1516/calendars/>) for the previous requirements.

BIO 1130	Introduction to Organismal Biology	3 Units
BIO 1140	Introduction to Cell and Molecular Biology	3 Units
CHM 1311	Principles of Chemistry	3 Units
CHM 1321	Organic Chemistry I	3 Units
ENG 1100	Workshop in Essay Writing	3 Units
MAT 1330	Calculus for the Life Sciences I	3 Units
MAT 1332	Calculus for the Life Sciences II	3 Units
PHY 1321	Principles of Physics I	3 Units
PHY 1322	Principles of Physics II	3 Units
3 course units from:		3 Units
HSS 1101	Determinants of Health	
PSY 1102	Introduction to Psychology: Applications	
BCH 2333	Introduction to Biochemistry	3 Units
BIO 2133	Genetics	3 Units
CHM 2120	Organic Chemistry II	3 Units

CHM 2123	Laboratory of Organic Chemistry II	3 Units
MAT 2379	Introduction to Biostatistics	3 Units
PHI 2396	Bioethics	3 Units
HSS 3101	Health Research: Quantitative and Qualitative Approaches	3 Units
OMT 3122	Ocular Anatomy and Physiology	3 Units
OMT 3123	Optics and Refraction	3 Units
OMT 3124	Basic Diagnostics I	3 Units
OMT 3125	Clinical Application I <sup>1</sup>	3 Units
OMT 3126	Ophthalmic Subspecialties	3 Units
OMT 3127	Basics Diagnostics II	3 Units
OMT 3128	Ophthalmic Basic Science Seminars <sup>1</sup>	3 Units
OMT 3231	Introduction to Ophthalmic Technology: Basic Skills-I <sup>1</sup>	6 Units
OMT 4122	Advanced Diagnostics I	3 Units
OMT 4123	Ophthalmic Pharmacology and Microbiology	3 Units
OMT 4125	Ophthalmic Basic Science Seminars <sup>1</sup>	3 Units
OMT 4126	Specialized Diagnostics	3 Units
OMT 4127	Advanced Diagnostics II	3 Units
OMT 4128	Ophthalmic Abnormalities and Disorders	3 Units
OMT 4201	Ophthalmic Technology: Basic Skills II <sup>1</sup>	6 Units
OMT 4224	Clinical Application-II <sup>1</sup>	6 Units
12 optional course units at the 2000, 3000 or 4000 level offered by the Faculty of Science		12 Units

**Total:** **120 Units**

Note(s)

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This course runs from September to April.