HONOURS BSC IN
BIOMEDICAL SCIENCE -
BIOANALYTICAL SCIENCE
OPTION

Biomedical Science is an interdisciplinary program that focuses on
the fundamentals of human structure and function, as well as those
of other animals. The first two years provide a background in human
anatomy and psychology, in addition to more in-depth knowledge in basic
sciences like biology, chemistry, biochemistry, and mathematics. At the
end of second year, in addition to courses in biology and biochemistry,
students may choose from an array of optional courses and obtain a
minor in one of many programs offered, or they can choose an option
within the biomedical sciences (Neuroscience, Cellular and Molecular
Medicine, Bioanalytical Science, Medicinal Chemistry or Biostatistics).
On graduation, they will be ready for more advanced research training or
for admission to a professional program in human health.

Students in the Biomedical Sciences program are also eligible to
participate in the Co-Operative Education Programs.

Admission to this program is competitive and higher averages are
required.

This program is offered in English and in French.

Program Requirements

Co-operative education is available with this program.

The extended French stream is available with this program.

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

ANP 1105 Human Anatomy and Physiology I
ANP 1106 Human Anatomy and Physiology II
BIO 1130 Introduction to Organismal Biology
BCH 2311 Introduction to Structure and Bonding
BCH 2333 Introduction to Biochemistry
BIO 2133 Genetics
CHM 2120 General Intermediary Metabolism
CHM 2122 Applications of Spectroscopy in Chemistry
CHM 2123 Laboratory of Organic Chemistry II
CHM 2126 Physical Chemistry for the Life Sciences
CHM 2354 Analytical Chemistry
CHM 2356 Molecular Biology Laboratory
BIO 2133 Genetics
BCH 3120 Intermediate Organic Chemistry
BCH 3123 Laboratory of Organic Chemistry II
BCH 3356 Molecular Biology Laboratory
BCH 4123 Pathological Biochemistry
BCH 4172 Topics in Biotechnology
BIM 4009 Research Project - Biomedical Science
BIM 4013 Selected Topics in Biomedical Science
BIM 4103 Selected Topics in Biopharmaceutical Science
BIM 4109 Modern Bioanalytical Chemistry
BIM 4127 Advanced Techniques in Biosciences
BIM 4129 Advanced Chemical Biology
BIM 4131 Advanced Biopharmaceutical Science
BIM 4316 Modern Bioanalytical Chemistry
BPS 3350 Transition Metal Chemistry
BPS 4102 Pharmaceuticals: Federal and International Regulations
BPS 4103 Selected Topics in Biopharmaceutical Science
BPS 4127 Advanced Techniques in Biosciences
BPS 4129 Advanced Chemical Biology
BPS 4131 Advanced Biopharmaceutical Science
BPS 4316 Modern Bioanalytical Chemistry
BPS 4317 Research Project - Biomedical Science
BPS 4319 Advanced Biopharmaceutical Science
BPS 4327 Advanced Techniques in Biosciences
BPS 4329 Advanced Chemical Biology
BPS 4331 Advanced Biopharmaceutical Science

Total: 120 Units

List of Optional Courses

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ANP 1106 Human Anatomy and Physiology II
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BCH 2311 Introduction to Structure and Bonding
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BIO 2133 Genetics
CHM 2120 General Intermediary Metabolism
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