BIOCHEMISTRY INFORMATION NIGHT 2016

Wednesday, October 5th
6:00pm – 7:00pm
Botterell B139

And afterwards…

BEVERAGES WITH PROFS
7:00pm – 10:00
Grizzly Grill
Agenda

Overview
- The Biochemistry Program
- Degrees offered
- Degree advancement criteria (GPA)

Undergraduate Studies
- Degrees – SSP and MAJ
- Academic counseling

Co-op Program

Q & A

DSC presentation
The Biochemistry Office

Location
• Rm. 813 Botterell Hall*
• Office hours: Mon-Fri 9am-noon & 1-4pm

People
• Denise Cameron - BCHM
• Katherine Rudder - LISC
• Dr. Michael Kawaja – Assoc. Dean LISC & BCHM
• Dr. Steven Smith – BCHM Program Coordinator
• Dr. Peter Davies – BCHM Co-op Coordinator

Contact
• Phone: 613-533-2900
• Email: biochem@queensu.ca
  - Use your Queen’s email and leave your student #
Degrees Offered - Overview

Minor/General Degrees

- Biochemistry – Minor (Science) – BCHM-Z; 48 units
- Biochemistry – General (Science) – BCHM-G-BSC; 48 units + elective units to total 90 units

Honours Degrees

- Biochemistry – Major (Science) – BCHM-M-BSH; 72 units + elective units totaling 120 units
- Biochemistry – Specialization (Science) – BCHM-P-BSH; 84 units + elective units totaling 120 units
- Co-operative program – Specialization: Same criteria as BCHM-P-BSH; takes 4.5-5 years to complete; paid research experience
Degree Advancement Criteria (GPA)

Entering BCHM Program after 1st Year

- Limited number of spots – 90 max.
- All students admitted into 2nd year BCHM MAJ stream based on competitive GPA in at least 27 units and completion of CHEM 112/6.0
- 2015-16 cut-off; GPA 2.75; 2016-17 cut-off: GPA 2.5

Entering 4th year BCHM SSP and MAJ Programs

- Obtain minimum cumulative GPA of 2.7 in BCHM 218, 313, 315, 316 and 317
- Those seeking entrance into SSP Program in 4th year also need 3.0 or 6.0 units in 300-level course with laboratory component – do not include in GPA calculation
# Core Courses for BCHM (General)

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<td>BIOL 102/3.0</td>
<td>BCHM 218/3.0</td>
<td>BCHM 310/9.0 or</td>
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## Core Courses for BCHM (MAJ)

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<td>BCHM 317/6.0</td>
<td><strong>BCHM 441/3.0</strong></td>
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### Core Courses for BCHM (SSP)

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<td>CHEM 112/6.0</td>
<td>CHEM 212/3.0</td>
<td>BCHM 316/3.0</td>
<td>BCHM 421/6.0</td>
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<td>PHYS 106/6.0 or</td>
<td>CHEM 222/3.0</td>
<td>BCHM 317/6.0</td>
<td>BCHM 422/6.0</td>
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<td>PHYS 117/6.0 or</td>
<td>CHEM 223/3.0</td>
<td>3.0 or 6.0 units at the 300 level with a laboratory component in any of ANAT, BIOL, BIOM, CHEM, LISC, PHAR or PHGY.</td>
<td>BCHM 432/3.0</td>
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<td>PHYS 104/6.0</td>
<td>STAT 263/3.0</td>
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Entrance into BCHM SSP and MAJ Programs

Entrance into the 4th year as a SSP student requires:

1) Minimum GPA of 2.7 in core BCHM courses (218, 313, 315, 316, 317)
2) Securing a 4th-year research thesis project with a participating faculty member.

Process for securing a research thesis project: Students will be given a list of available research projects and associated professors at the beginning of the winter term of their 3rd-year. They will have a defined period of time (~ 2-3 weeks) to meet with professors and secure a project, which may commence in the following summer or fall term.

For incoming 2nd year students: All students entering BCHM as 2nd-year students in the 2016-2017 academic year will be enrolled as MAJ students. Those that meet the GPA criteria and secure 4th-year research thesis project will be transferred to the SSP program for their 4th year.
**Biochemistry Honours Degree**

**SSP vs. MAJ**

**SSP:**
If your career plans include research (i.e., graduate school) as there is a heavy emphasis on hands-on laboratory/research experience (BCHM 421 and BCHM 422). Also meets the needs of most professional schools.

**MAJ:**
If your career plans are more inclined towards an emphasis on using your biomedical training to pursue a non-research career involving other professional training (medical, dental, business, law or other postgraduate school). The course requirements for the MAJ are designed for the needs of the non-research biochemist; less core credits and more electives allows for the pursuit of additional electives which can thus be tailored to specific career need.
Undergraduate Counseling

For all your undergraduate counseling (e.g., courses, programs, other) please contact Denise Cameron in the BCHM/LISC Program Office

biochem@queensu.ca ; 613-533-2900

Student has ultimate responsibility to monitor their course of study and fulfill degree requirements and *should seek advice as necessary*.

- Academic Advisement Report is available on SOLUS to guide you with course choices.

If you are having difficulty in fulfilling degree requirements please book an appointment as soon as possible.

Also can see academic advisors at the Faculty of Arts & Science

- 1st floor of Dunning Hall; www.queensu.ca/artsci/advising/
BCHM Cooperative Program

• Placements in research laboratories
  • Industry (e.g., Sanofi Pasteur, Iogen, Antibe, IGPC)
  • Hospital research institutes (e.g., SickKids)
  • University laboratories (e.g., Notre Dame, SUNY, Queen’s)
  • Government laboratories (Agriculture Canada, Health Canada)

• Previous and current placement locations include: Montreal, Toronto, Ottawa, Halifax, Lethbridge, South Bend Indiana, Albany, NY

• Program extends traditional 4-year Honours degree

• For Co-op information and questions, contact Denise Cameron (biochem@queensu.ca; 613-533-2900)
BCHM Cooperative Program

• Apply during fall term of 3rd year

• 2016/16 application deadline is Friday, 14 October, 2016
  • Application for are available at:
    http://dbms.queensu.ca/undergraduate/biochemistry/co-op_program

• Once your application has been approved by the BCHM Program, we will seek placements. If you have a contact and wish to secure your own placement we will look at the project and give final approval.

• Placements are not guaranteed
Coop Terms

8th Year

3rd Year
Coop Terms

5th Year

Jan 1
May 1
Sept 1

Jan 1
May 1
Sept 1