



### **KEEPING CONNECTED**

We trust that you are keeping well and looking forward to moving your career plans along! Although the start of the new academic year is a while away, we are busy ramping up with registration. Rachel Batson and I, Ken Ko (Undergraduate Chair), would thus like to keep you connected.

### **CAREER PLANNING MOVES FORWARD**

It appears that the public health situation is improving these days and now is probably a good time to review and ramp up your career strategy as planned, such as for opportunities in the medical and dental professions.

Check out the [Biology Major Map](#) from Career Services for career-oriented information. A brief synopsis of useful information is copied here for your convenience.

### **Wondering what skills you will master for your career in Biology?**

A degree in Biology can equip you with:

- Develop knowledge of biological functions

- Use laboratory equipment and instruments
- Gain hands-on experience studying biology in the field
- Comply with quality control and safety regulations
- Collect and preserve organisms
- Design experimental studies
- Present literature and research findings in posters and seminars
- Observe and make measurements
- Write, review, and summarize reports / scientific writing
- Analyze and evaluate information
- Statistical analysis of biological data
- Solve quantitative problems

### **Wondering about careers with a biological background?**

A degree in Biology can take your career in many directions. Many students choose to continue their academic inquiry with a Master's.

Here are some available graduate studies opportunities: [PhD & MSc positions!](#)

Biology students are also equipped with a strong foundation for careers in: Agricultural Sciences; Bioeconomics; Biotechnology; Chiropractory; Dentistry; Environmental conservation; Environmental sustainability; Fisheries science; Marine biology; Medicine; Medical technology; Occupational therapy; Oceanography; Optometry; Pharmacology; Physical therapy; Toxicology; Veterinary medicine.

Taking time to explore career options, build experience and network can help you have a smooth transition to the world of work after graduation.

### **QUEEN'S UNIVERSITY THIS FALL – RETURNING TO CAMPUS!**



The University's current plan is for a full return to on-campus learning with masking and good hygiene practices. Planning is based on positive assumptions with vaccination progress, low COVID-19 transmission, and no capacity limits.

Returning to campus in these times can certainly be stressful and brings up many questions. More details will be forthcoming about transitioning back to campus, supporting resources, and re-engaging with one another. Start your return journey by checking the Faculty of Arts and Science Next Step website (<https://www.queensu.ca/nextsteps/home>).

At this point, in Biology and across campus, most courses are being planned for in-person delivery on campus. There are a few courses being readied to accommodate students unable to return to campus and to allow progress through their plans as much as possible (e.g., ASO online courses and/or FAS-approved fully remote courses).

***First Year:***

BIOL102 and BIOL103 are being planned for in-person on campus. There are also online options for BIOL102 (Winter 2022 and Summer 2022) and BIOL103 (Fall 2021 and Summer 2022).

BIOL110 is an online course offered through ASO (Fall 2021)

BIOL111 is being planned as a remote course (Winter 2022)

***Second Year:***

BIOL200 (Winter 2022), BIOL205 (Fall 2021), and BIOL206 (Winter 2022) are being planned as in-person, on-campus offerings.

BIOL243 (Fall 2021) is being planned as an in-person, on-campus offering with both on-campus and remote provisions within the course.

BIOL212 is being planned to be in-person, on-campus offerings for Fall 2021 and again for Winter 2022. Due to the cancellation of BIOL212 last year (2020-2021), incoming 3<sup>rd</sup> and 4<sup>th</sup> year students of all BIOL plans are prioritized for enrollment in BIOL212 starting with the Fall 2021 term. It is our recommendation that 3<sup>rd</sup> and 4<sup>th</sup> year students remain as a cohort in the Fall 2021 term as much as possible. Incoming 2<sup>nd</sup> year BIOL MAJ students will be enrolled automatically into the Winter 2022 term to start and can adjust later in the August course registration period (see below for dates). Bear in mind that BIOL212 is currently flexible in terms of which plan year you wish to schedule this course. This flexibility may help with the scheduling of your courses.

***Third & Fourth Year:***

BIOL330 (Fall 2021) and BIOL334 (Winter 2022) are designated by the Faculty of Arts and Science as remote offerings.

BIOL350 is offered twice, as an online course through ASO for Fall 2021 and is planning to be in person on campus for Winter 2022.

BIOL503 (Fall 2021) is designated by the Faculty of Arts and Science for remote delivery.

Currently, all other 3<sup>rd</sup> and 4<sup>th</sup> year courses are being planned for in person on campus.



## LETTER TO STUDENTS



As we all plan on returning to normal life at Queens University, we encourage you to get your COVID-19 vaccine. We all have a responsibility to help get this virus under control. Through a collective effort, we can successfully transition to on-campus learning when everyone does their part to keep safe. Queen's will be hosting a COVID-19 vaccination clinic on campus for individuals who have not received their shots. More details to come.



Get Vaccinated!

## Course Selection

We are currently busy ramping up for course selection and registration for this coming year. The new academic year will start with the normal line-up of fall courses (with contingency plans). We expect to offer the full span of courses.

Our course offering web page is now updated for 2021-2022. The official timetable is scheduled for release later in the summer. If you have questions, we are available here, with the exception of vacation leaves.

## Registration Dates

- August 9<sup>th</sup>-16<sup>th</sup>: Class Selection I Restricted: Enrollment Restrictions enforced; 15 units per term limit enforced.
- August 18<sup>th</sup>-22<sup>nd</sup>: Class Selection II Open: Enrollment Restrictions expired for On-Campus courses; 15 units per term limit enforced.
- August 30<sup>th</sup> – September 20<sup>th</sup>: Open Enrollment begins (students may add 18 units)

**The Faculty of Arts and Science Staff Hiatus Periods** (Please note that many staff will be taking vacation during this time and will have limited to no access to their email, please respect these time periods).

- ✓ July 5<sup>th</sup> to 9<sup>th</sup> 2021 (5 days)
- ✓ August 23<sup>rd</sup> to 27<sup>th</sup> (5 days)

## SOME UPCOMING CHANGES TO BIOLOGY COURSES AND PLANS

It is now a good time to review and decide on which courses to advance your degree plan. We would advise you to plan carefully by selecting not only courses for the coming year but future years as well, to see how your plan pans out. Review all BIOL course offerings and course pre and/or co-requisites. Course descriptions can be found at:

<https://biology.queensu.ca/academics/undergraduate/courses/course-listings/>

*Note: not all BIOL courses will be offered each year, so take this into consideration when creating your future plan.*

### Timetable – Scheduling Courses

Every effort will be made to schedule BIOL courses conflict-free. This is a complex feat, therefore it is not always possible to schedule BIOL 300, 400, and 500 level courses conflict-free. You may not be able to schedule the combination of courses you have decided on and may need to anticipate changes to your choices.

*Note: The Department of Biology does not waive timetabling conflicts. The expectation is that you are able to attend all scheduled lectures, labs, seminars, and tutorials for each course.*

Course	Title	Change
BIOL 102 (3.0 units)	Introductory Biology of Cells	Title: Fundamentals of Biology: Molecular and Cell Biology
BIOL 103 (3.0 units)	Introductory Biology of Organisms	Title: Fundamentals of Biology: Organisms to Ecosystems
BIOL 206 (3.0 units)	Evolutionary Genetics	Recommendations Removed (BIOL 200/3.0 or BIOL 201/3.0 and BIOL 202/3.0)
BIOL 315 (3.0 units)	Plants and Human Culture	Prerequisites: BIOL 102/3.0 and BIOL 103/3.0 Corequisites: BIOL 200/3.0 or BIOL 201/3.0
BIOL 316 (3.0 units)	Fisheries Biology	Prerequisites: BIOL103/3.0 Corequisite: (BIOL 200/3.0 or BIOL 202/3.0)
BIOL 331 (3.0 units)	Analytical Genomics	Exclusion(s) BCHM370/3.0; BMED 370/3.0.
BIOL 422 (3.0 units)	Conservation Biology	Exclusion/One-way exclusion ENSC 320
BIOL 421 (3.0 units)	Conservation Genetics	No longer offered

Course list	Change	Course(s)
BIOL Subs A List	Course added	MICR271
BIOL Subs B List	Courses added	HLTH323/3.0; PHAR270/3.0; PHAR 340/3.0; PHAR370/3.0;
BTEC Options List	Courses added	BCHM370/3.0; PHAR370/3.0; PHAR480/3.0



Calling out ***Mentor*** candidates! There's perhaps no better time to engage in mentorship, step up for your peers and stand out as a leader. The Upper Year Peer Mentor Program is looking for Mentors for the 2021-22 academic year!

Check out our website at <https://www.queensu.ca/studentexperience/peer-programs/peer-mentor-program> for more details and to apply.

**1<sup>st</sup> Year students interested in a degree in BIOLOGY**

Details and deadlines for selecting a degree plan for next year can be found at: <https://www.queensu.ca/artsci/undergrad-students/plan-selection>

**Up to date registration details and deadlines for all Faculty of Arts and Science students**

Course registration details and deadlines can be found at:

<https://www.queensu.ca/artsci/undergrad-students/course-registration>

Arts and Science important academic dates, deadlines, and special events:

<https://www.queensu.ca/artsci/important-dates>

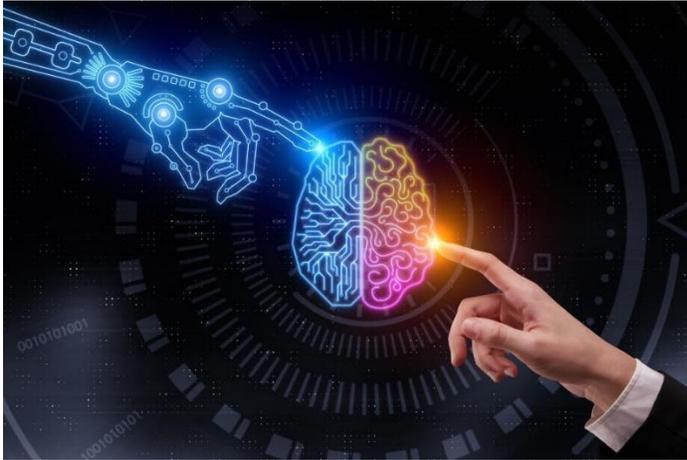
The 2021-22 Arts and Science Calendar when ready will be available at:

<https://www.queensu.ca/artsci/undergrad-students/academic-calendar>

**Incoming 4<sup>th</sup> year BIOL Students**

**BIOL 5XX Seminar Courses** 2021-22 descriptions are available on our website at:

<https://biology.queensu.ca/academics/undergraduate/courses/course-listings/>



**BIOL 537** – *keep exploring!*

Although the first round has finished, BIOL 537 is still open for further offers up until early September. If you are still interested, you are encouraged to be independently proactive in seeking and securing arrangements. The advice is to do your homework and be professional with your contacts and interactions with potential supervisors. Biology Faculty have been notified that there are still students seeking a project. If a late offer comes through the Biology Undergraduate Office, you will be notified by an e-mail from Rachel.



And let's not forget about **BIOL 538-540** → *Research Mentorship Opportunities!*  
<https://biology.queensu.ca/academics/undergraduate/courses/research-mentorship/>

### **Admission to 400- and 500-level Biology Courses**

Admission to 400- and 500-level Biology courses requires a minimum cumulative GPA of 2.0 in any previously taken courses from the Biological Foundations List (**BIOL\_FNDS**). Requests for special consideration must be submitted to the Chair of Undergraduate Studies.

**BIOL\_FNDS** BIOL 102/3.0; BIOL 103/3.0; BIOL 200/3.0; *BIOL 201/3.0; BIOL 202/3.0*; BIOL 205/3.0; BIOL 206/3.0; BIOL 212/3.0; BIOL 300/3.0; BIOL 330/3.0; BIOL 334/3.0; BIOL 339/3.0; BIOL 341/3.0; *BIOL 302/3.0; BIOL 303/3.0*

### **Need help with your studies?**

Please visit Student Academic Success Services (SASS) at <http://sass.queensu.ca/>. SASS offers academic support to students who wish to develop their skills in critical thinking, reading, learning, studying, writing and self-management.

### **Wondering how to contact your course program associate regarding work associated with the lab component of core courses?**

BIOL 102: [biol102@queensu.ca](mailto:biol102@queensu.ca)

BIOL 103: [biol103@queensu.ca](mailto:biol103@queensu.ca)

BIOL 200: [biol200@queensu.ca](mailto:biol200@queensu.ca)

BIOL 205: [biol205@queensu.ca](mailto:biol205@queensu.ca)

BIOL 206: [biol206@queensu.ca](mailto:biol206@queensu.ca)

BIOL 212: [biol212@queensu.ca](mailto:biol212@queensu.ca)

BIOL 300: [biol300@queensu.ca](mailto:biol300@queensu.ca)

### **Important Link**



Updates on COVID-19: <https://www.queensu.ca/covidinfo/>

### **REMINDERS!**

#### **Biology Degree Plans**

Review your degree plan requirements and make sure you are selecting courses you need. Degree plan requirements can be found at: <https://www.queensu.ca/artsci/undergrad-students/academic-calendar>

#### **Biological Foundations List - IMPORTANT!**

It is very important to keep this GPA requirement in mind throughout your program, starting with first year. To be admitted to 400 and 500 level Biology courses, you will need a minimum GPA of 2.0 in any previously taken courses from Biological Foundations list.

The Biological Foundations List is BIOL 102, 103, 200, 212, (201, 202), 205, 206, 300, 330, 334, 339, and 341 (BIOL 302, 303).

To be admitted to BIOL 400 and 500 level Biology courses you will need a minimum cumulative GPA of 2.0 in any previously taken courses from this list.

## Helpful Links

[Information on Applying for a Course Prerequisite Waiver](#)

[Arts and Science Academic Deadlines](#)

[Arts and Science Calendar](#)

[Frequently Asked Questions](#)

## **QUBS Quick Links**

Website: <https://qubs.ca>

Facebook: <https://www.facebook.com/QUBioStation>

Twitter: [https://twitter.com/QUBS\\_Director](https://twitter.com/QUBS_Director)

Flickr: <http://www.flickr.com/photos/qubsoutreach>

YouTube: <https://www.youtube.com/user/QUBScam>

**Looking for a job?** [Quick Link](#)

**Looking for study and travel opportunities?** [Quick Link](#)

Biology Undergraduate Office (normal non-COVID-19 operations)

Mon to Friday 9:30am – 12:00pm and 1:00pm – 3:00pm

Rm. 3109d, BIOSC Complex

613-533-6344

[ug.biology@queensu.ca](mailto:ug.biology@queensu.ca)

**NOTE: Use email to correspond during COVID-19 as we are working remotely.**