Welcome to the BISC

Congratulations! By choosing the Bader International Study Center (BISC) First Year Program, you have chosen to embark on a truly unique and remarkable experience. With the BISC First Year Program, you will have the opportunity to study abroad in a historic environment while participating in a high quality, renowned program. As a BISC student, you are part of a select group of accomplished and academically-minded students. Your acceptance into the program means that Queen’s University has confidence in you and your ability to achieve academic and personal success.

The First Year Program at the BISC offers a selection of introductory university courses that serve as a foundation to many popular arts, humanities, social science, natural and physical science degree programs, depending on your admission stream (Arts, Science and Con-Ed Arts). These courses provide an exceptional opportunity for you, as first year students, to engage in field studies while participating in an international community of scholars.

Your success in university depends upon the effectiveness of your study habits and the amount of effort you put into your studies. Active learners always have greater academic success in the challenging program at the BISC. There are a wide variety of academic and support services offered at the BISC for your benefit. Take advantage of them as they can be immensely helpful! Read the materials you have been sent, such as this manual, and ask questions if you have them. We are here to help!

Experience learning that goes BEYOND the classroom.
What is... In order to understand how your degree works, you need to first learn some important terms.

What is a **Program**?
Upon entering first year, you have been admitted to the Faculty of Arts and Science to one of the following Degree Programs:

- Bachelor of Science (Honours) – BSCH
- Bachelor of Arts (Honours) – BAH

What is a **Plan**?
A Plan is a major, medial (similar to a double major) or specialization in a discipline. You can also add a minor to most plans. You will declare your Plan at the end of first year, so don't worry too much about it yet. Officially it’s an approved set of courses required to focus in an area of study. The depth of focus may vary according to Plan type. More than one Plan may be required to obtain a degree.

What is a **Unit**?
Each course has a weighting. Most courses are either 3.0 (single-term) units or 6.0 (multi-term) units. There are a few exceptions where a course units don't follow this standard. To graduate, it's not the number of courses you complete, but rather the number of units – so make sure to watch your unit count. A full time student normally takes five courses (30.0 units) per year. Students in BA/Bed have a load higher than 30.0 units per year.

What is the **Calendar**?
The Academic Calendar is not really a calendar at all – it is a collection of important information concerning admission, academics, appeals, dual and second degree regulations. The Calendar also outlines departmental information, programs, and Degree Plans, certificates, courses of instruction, course lists, and academic calendar dates. This is where you find it [www.quartsci/academiccalendar](http://www.quartsci/academiccalendar). Bookmark this link – you will need it throughout your time at Queen's.

**Academic Calendar Definitions**

- **Admission:** the Faculty’s acceptance of an applicant as a student
- **Auditor:** student who attends a course with the consent of the instructor; formal registration required but student does not receive credit for the course and is not entitled to submit exercises or write examinations
- **Certificate:** provides students with the opportunity for new expanded credentials that can help students develop both general and specific skills that meet their particular career needs and address society’s need by preparing students appropriately for careers that they will pursue after leaving Queen’s. These are “add-ons” to your Degree Program.
- **Class:** a particular offering of a given course
- **Corequisite:** a requirement that must be fulfilled concurrently with another course
- **Course:** a prescribed set of study and evaluation, used for academic credit towards a Degree Program
- **Core:** a course that is required, or is selected from an extremely limited list of courses, in a Plan
- **Elective:** a course freely chosen by the student
- **Equivalency:** a pair of courses of equal unit value, one of which is no longer offered, which are considered to be similar enough that one may serve interchangeably for the other in terms of prerequisites, corequisites, exclusions, and plan and program requirements. Credit will only be given for one of the pair.
Exclusion: a list of two or more courses that are considered similar enough that credit will only be given for a defined subset of courses from that list. Usually, holding credit for an excluded course(s) will prevent registration of the remaining courses on the list.

GPA (grade point average): the unit-weighted average grade in a set of courses.

Level in program: determined by the number of passed units completed toward the requirements of the concentration, as specified by the Department:
- 0.0-23.9 (level 1)
- 24.0-47.9 (level 2)
- 48.0-83.9 (level 3)
- 84.0 and above (level 4)

One-way exclusion: a course that will prevent registration is taken with or before another course.

Option: a course chosen from a limited list of courses specified in a Plan. The degree of choice may vary according to the Plan.

Part-time Student: may take at most 18.0 units in the Fall-Winter Session; may take at most 9.0 units in either Fall or Winter terms.

Personal Interest Credit (PIC): encourages students to explore subject matter outside their program of study and promotes interdisciplinary study whereby the student will be permitted to designate up to 6.0 units of degree-credit courses for pass/fail grading, thereby minimizing any risk to the students GPA.

NOTE: This is available to upper year students only.

Prerequisite: a requirement that must be met prior to registration in a course.

Registration: a student’s enrolment in a course or courses.

Session: an academic period within a Term. Start and end dates for each Session are published annually under Academic Dates and Key Dates in the Academic Calendar.

Subject: a defined area of study.

Supporting course: a course in a Plan that complements the area of study; some Plans have required supporting courses (e.g. mathematics courses in a Physics Plan); others do not.

Term: an academic period during the calendar year. There are three terms: Fall (September - December), Winter (January – April), Summer (May – August). Start and end dates for each Term are published annually under Academic Dates and Key Dates.
HOW UNITS WORK

BAH

**Option 1: Major**
- 60 units (major)
- + up to 12 supporting units for science
- 48-60 units (electives)

**Option 2: Major - Minor**
- 60 units (major)
- + up to 12 supporting units for science
- 30 units (minor)
- 18-30 units (electives)

**Option 3: Medial (Arts)**
- 42 units (medial)
- 36 units (electives)
HOW UNITS WORK
BScH/BCMPH

Option 1: Major

60 units (major)
+up to 12 supporting units for science

48-60 units (electives)

Option 2: Major - Minor

60 units (major)
+up to 12 supporting units for science

30 units (minor)

18-30 units (electives)

Option 3: Specialization (Science)

84-108 units (specialization)

12-36 units (electives)
How to read a Degree Plan

This is an example of a page from the Degree Plan Section of the Arts and Science Calendar that outlines the Program requirements for a Major in History. All requirements for all of the subjects that offer plans at Queen’s, including Majors, Specializations, Medials, Minors, and General Degrees, are located in the Degree Plan section on the Arts and Science Calendar.

**Program:** The Plan, alone, or in combination with a Minor in another subject, and with sufficient electives to total 120.0 units, will lead to a Bachelor of Arts (Honours) Degree.

### Core courses

<table>
<thead>
<tr>
<th>1. Core</th>
<th>(39.0 units)</th>
</tr>
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<tbody>
<tr>
<td>A.</td>
<td>0 units</td>
</tr>
<tr>
<td>B.</td>
<td>0 units</td>
</tr>
<tr>
<td>C.</td>
<td>27.0 units</td>
</tr>
</tbody>
</table>

Core courses are mandatory and often have pre-reqs.

- You need to take BISC 100 + 101 and any of these other HIST courses.
- Don't worry about these until upper years.

### Option courses

<table>
<thead>
<tr>
<th>2. Option</th>
<th>(21.0 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>0 units</td>
</tr>
<tr>
<td>B.</td>
<td>0 units</td>
</tr>
<tr>
<td>C.</td>
<td>0 units</td>
</tr>
</tbody>
</table>

Option courses are required and you must fulfill A + B but you have more choice.

These can be taken in upper years.

### Supporting courses

<table>
<thead>
<tr>
<th>3. Supporting</th>
<th>(0.0 units)</th>
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### Additional Requirements

<table>
<thead>
<tr>
<th>4. Additional Requirements</th>
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</thead>
<tbody>
<tr>
<td>A. Minimum 6.0 units from HIST_Canadian</td>
</tr>
<tr>
<td>B. Maximum 6.0 units from HIST_Subsc</td>
</tr>
</tbody>
</table>

This means that of all your core + option courses, at least 6.0 units of those must have Canadian history content.

### Substitutions

<table>
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<th>5. Substitutions</th>
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### Notes

<table>
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<tr>
<th>6. Notes</th>
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</thead>
<tbody>
<tr>
<td>A. It is strongly recommended, but not required, that students take 6.0 units in History from the period before 1800.</td>
</tr>
<tr>
<td>B. It is recommended that all Option Courses be at the 200 level or above.</td>
</tr>
<tr>
<td>C. Students are expected to take courses from HIST 300/6.0-329/6.0 in their second year.</td>
</tr>
</tbody>
</table>

These are notes to help you plan.
Plan Requirements

Core Courses
These are required courses in your Plan, for which there is little or no choice in the course that must be taken.

Option Courses
These are required courses in your Plan, but there is significant choice allowed in the course(s) that may be taken.

Supporting Courses
These and courses from other disciplines that are required as prerequisites to upper-year courses within your Plan.

Exclusions
Some Plans have courses that cannot be taken because they are too similar to other required courses in the Plan – this can include 19 or AP credits. If you have 18 or AP credits, be sure to talk to an Academic Advisor before registering for your courses.

Students should attempt to select a combination of courses that will leave them with as many Plan options for their second year as possible. A “terminal course” refers to a course that does not lead to a Plan. It is recommended to have between 3 and 4 options for Plans going into second year.

Teaching Subjects for Concurrent Education students
The courses you need for each teachable can be taken from a major, minor, medial, specialization, or from electives.
Electives

Electives should be selected carefully to facilitate future changes of a Plan.

You may be intending to do your degree in English, but it is also possible that you might change your mind and decide instead to do a degree in Political Studies. Therefore, you should take the POLS 110/6.0 course as well as ENGL 100/6.0, so you have the flexibility to change your Plan later on.

Or you might be intending to do Biology but have a strong interest in Psychology, so you might wish to take the PSYC 100/6.0 course as your elective so that you have the required core course for a degree plan in Psychology if you decide to change your Plan.

Electives should be selected to cover a broad range of subject areas. Some Degree Plans require that you take a minimum number of courses outside your area of study (humanities/social sciences/sciences); you can maximize the opportunity for upper-year studies in a discipline outside your own by taking the first year prerequisite (required preparatory courses) in that subject area. It is easiest to get first year prerequisites for breadth requirements in your first year of study.

English is a Humanities program. You may wish to incorporate breadth into your program now by taking a Science or Social Science course such as Math or Psychology. With a first year Psychology course, you may also be able to take a second year Psychology course next year as an additional elective toward your degree program.

Concurrent Education students may wish to take PSYC 100 in first year, as it is a required course for all Con-Ed students.
Educational Opportunities

You should take advantage of the opportunities offered to you in your university education to pursue areas of interest that you might not otherwise have a chance to explore. For example, you may have always been interested in architecture and ancient civilizations but do not have the opportunity to study these subjects in high school. In that case, you may consider taking a course in Art History or Introduction to Archeology while at the BISC. This is your chance to learn a little more about things that you would not necessarily do or plan to do yourself – what is important is that you are interested.

Review the list of first year courses offered at the BISC and pay particular attention to the course descriptions. While selecting the courses that interest you, refer to the list of recommended courses for Degree Plans, and the Faculty of Arts and Science Calendar for detailed information on Plan requirements, and necessary prerequisites. If you have any questions about Plan requirements and first year course selection, write them down on the BISC Course Registration Preparation Sheet and talk to an Academic Advisor. Con-Ed students are welcome to contact the Concurrent Education Advisor (vicky.andrews@queensu.ca) at anytime for guidance about teaching subjects and course requirements.
Direct Entry Programs and Automatic Registration

If you were admitted to the BISC Concurrent Education (Con-Ed) Arts, BISC Bachelor of Arts (Honours) or BISC Bachelor of Science (Honours), you will be automatically enrolled in some of your courses.

All BISC students (Arts, Science, Con-Ed Arts)

You will be automatically enrolled in BISC 100 (Thinking Locally) and BISC 101 (Acting Globally) courses as part of the First Year Program at the BISC. These are exclusive courses, only offered at the BISC and will count as part of your 30.0 units of Arts and Science classes for your first year. Course descriptions of BISC 100 (Fall) and BISC 101 (Winter) are available on page 15 of this manual and on the BISC website.

Con-Ed Arts: You will need to select 24.0 units of Arts and Science classes. You will be automatically enrolled into:

- PRAC 110/1.5
- PROF 110/3.0

*Note: the PRAC and PROF classes are both full year with A and B sections (they are extra to your 24.0 units)*
Choose your Courses

• Ensure you have the prerequisites to access the Plan you will select at the end of first year
• Consider taking one course that expands your horizons
• Accept that you can’t do everything: this means hard choices!

What can you study?

It’s really up to you! As a first-year student you are not yet in a specific Plan or major (unless you were admitted to a Direct Entry program) so this year is all about exploring different areas of study to find out what your true interests are. You are encouraged to take a variety of courses from different disciplines and to explore the range of subjects available to you. After this year, the academic groundwork will be laid for several possible Plan options. You will then be prepared to make well-informed choices about how you would like your degree to take shape.
First-Year Course Offerings

**ARTH 116/3.0  Art and Architecture in Britain from the Classical Period to c.1700  F**
A chronological survey of painting, sculpture and architecture in western culture from Greece and Rome through to the early modern period. The art works will be studied at British galleries, museums and architectural monuments.
NOTE Offered only at the Bader International Study Centre, Herstmonceux. Students must participate in field trips.

**ARTH 117/3.0  Art and Architecture in Britain from c.1700 to the Present  W**
A chronological survey of painting, sculpture and architecture in western culture from c.1700 to the present day. The art works will be studied at British galleries, museums and architectural monuments.
NOTE Offered only at the Bader International Study Centre, Herstmonceux. Students must participate in field trips.

**ASTR 101/3.0  Astronomy I: The Solar System  W**
A non-mathematical introduction to the science of astronomy for non-specialist students. Topics to be covered include the fundamentals of astronomy; and introduction to the tools and techniques of modern observational astronomy; the historical development of our understanding of the Earth, Moon, and Solar System; space exploration of Mars, Jupiter, and other planets; the nature of the Sun; and the origin and uniqueness of our Solar System. (This course cannot be used for entry into a PHYS Plan).

**BIOL 102/3.0  Introductory Biology of Cells  F**
An introduction to the basic themes and concepts of modern biology spanning organizational levels from molecules to cells in an evolutionary context.

**BIOL 103/3.0  Introductory Biology of Organisms  W**
An introduction to the basic themes and concepts of modern biology spanning organizational levels from organisms to ecosystems in an evolutionary context.

**BISC 100/3.0  Thinking Locally  F**
This introductory course provides first year student with a selection of key skills and theories from across a number of disciplines that will allow them to engage with their further studies and their role in a globalized environment with confidence, intelligence and ambition.
NOTE: This course is recommended for all students interested in developing interdisciplinary and intercultural skills.
BISC 101/3.0  Acting Globally  W
This is an introductory course, complementing and extending BISC 100, focused on skills and approaches from a number of disciplines. Academic skills will be honed by centering on centrifugal forces of mobility, exchange and action. Processes such as warring, colonizing, trading, connecting and leading are highlighted.

NOTE: This course is recommended for all students interested in developing interdisciplinary and intercultural skills.

CHEM 112/6.0  General Chemistry (Science Stream Only)  FW
A survey of modern chemistry: structure and bonding, phases of matter, thermodynamics, acids, bases, electrochemistry, equilibria, kinetics and organic chemistry. Using information technology, labs, and problem-solving strategies, students will develop an appreciation for the relevance of chemistry to the solution of modern-day societal challenges.

CLST 129/6.0  Introduction to Archaeology  FW
Development of the discipline, methods of discovering and recovering materials through excavation, evaluation of such materials and reconstruction of original environments. Historic and prehistoric sites; contribution of archaeology to the knowledge of the past.

DEVS 100/6.0  Canada and the ‘Third World’  FW
Introduces basic theoretical concepts of development studies, the history of global inequality, and short histories of alternative development strategies. Case studies of Canada’s ties to the so-called third world will include missionaries, military, business, and aid. Canadian colonialism over First Nations peoples will introduce basic issues in Aboriginal Studies.

ECON 111/3.0  Introductory Microeconomics  F
An introduction to microeconomic analysis of a modern mixed economy. The course analyzes the behaviour of individual consumers and producers, the determination of market prices for commodities and resources, and the role of government policy in the functioning of the market system. ECON 111/3.0 and ECON 112/3.0 are together equivalent to ECON 110/6.0.

ECON 112/3.0  Introductory Macroeconomics  W
An introduction to macroeconomic analysis of the economy as a whole, including the determination of national income, the price level, interest rates, the money supply, and the balance of payments. The principles of monetary and fiscal policy are also examined. ECON 111/3.0 and ECON 112/3.0 are together equivalent to ECON 110/6.0.
ENGL 100/6.0  Introduction to Literary Study  FW
An introduction to literary study, with an emphasis on the formal analysis of a diverse range of poetry and prose. Specific content and approach vary from section to section, but all sections share the goals of developing sensitivity to genre, cultivating writing skills, and providing students with a set of literary terms and critical techniques as a foundation for further literary study.

FILM 104/3.0  Film Form and Modern Culture to 1970  F
Introduction to tools and methods of visual and aural analysis and to historical and social methods, with examples primarily from the history of cinema and other moving-image media to 1970.

FREN 150/6.0  Français intermédiaire  FW
Practice in reading, writing, grammar review, and literary analysis. For students wishing to complete a major, medial, or minor Plan in French. NOTE Placement test recommended prior to registration. http://www.queensu.ca/french/undergraduate/french-placement-test

GEOL 104/3.0  The Dynamic Earth  W
Introduction to the internal structure of the Earth and the processes that have shaped its surface. Global tectonics and continental movement, rock genesis, mountain building, glaciations and geological time. Laboratories include rock and mineral identification, and problem solving in historical geology, earthquakes, groundwater flow and coastal erosion. ** students considering a plan in Geology, Physical Geography or Environmental Science should take GEOL 104.

GPHY 102/3.0  Earth System Science  F
This course introduces the major concepts studied in Earth System Science. The fundamental processes and interrelationships between the atmosphere, oceans, biosphere and the lithosphere are investigated to serve as a basis for understanding natural systems, particularly at or near the Earth’s surface. BISC 100/3.0 and GPHY 102/3.0 must be taken together to meet the Geography degree program requirements at Queen’s University.

HLTH 101/3.0  Social Determinants of Health  F
This course introduces students to basic concepts in public, population and global health, and introduces social determinants of health, such as poverty, income inequality, and racism, in Canadian and global contexts.

HLTH 102/3.0  Personal Health and Wellness  W
This course provides an introduction to the variety of factors which could affect a person’s health and wellness.

MATH 121/6.0  Differential and Integral Calculus  FW
Differentiation and integration with applications to biology, physics, chemistry, economics, and social sciences; differential equations; multivariable differential calculus.

MUSC 171/3.0  Social History of Popular Music  F
A survey of important trends in 20th century Western popular music. Topics include genres, individual artists and groups, record labels and stylistic trends, and sociological issues.
MUTH 111/3.0  Listening to Revolutions: History, Arts, and Performance II  W
An introduction to the study of Western music, theatre, fine art, and literature in historical and global perspective. Using drama and music as a focal point, this interdisciplinary course will place artistic creation in a social, philosophical, and political chronological framework. Key periods include European Romanticism, Modernism, and Popular Culture.

MUTH 232/3.0  Opera  W
An introduction to opera through the study of selected works from the Baroque era to the 20th century. Equal attention will be paid to literary, musical, and visual aspects.

PHIL 151/3.0  Great Works of Philosophy  F
An examination of some major milestones in the development of philosophical thought. The course will involve both the exposition of texts and discussion of the philosophical issues which they raise.

PHIL 259/3.0  Critical Thinking  W
A discussion of the general principles of reasonable discourse, with a focus on persuasive and cogent writing.

PHYS 106/6.0  General Physics  FW
Mechanics, including systems of particles and rigid body motion; fluids; electricity and magnetism; oscillatory motion and waves; heat, light and sound; topics in modern physics. Aspects of physics useful for further work in other sciences will be emphasized.

POLS 110/6.0  Introduction to Politics and Government  FW
An introduction to political science that provides both a framework for thinking about politics and the institutions of governance, and some of the vocabulary necessary for political analysis.

PRAC 110/1.5  Experiences in Schools I (Con-Ed students ONLY)  FW
This course runs once every week of term in a morning slot. BISC Con-Ed students will rotate through placements at local primary and secondary schools in the East Sussex area.  
NOTE: The Faculty of Education automatically registers Con-Ed BISC students in this course

PROF 110/3.0  Self as Teacher (Con-Ed Students ONLY)  FW
Introduction to schools, teaching, and curriculum in their historical, political, social and philosophical context. Exploration of policy, practice and professional portfolios, with an emphasis on reflective and critical thinking.  
NOTE: The Faculty of Education automatically registers Con-Ed BISC students in this course.

POLS 110/6.0  Introduction to Politics and Government  FW
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Introduction to schools, teaching, and curriculum in their historical, political, social and philosophical context. Exploration of policy, practice and professional portfolios, with an emphasis on reflective and critical thinking.
NOTE: The Faculty of Education automatically registers Con-Ed BISC students in this course.

PSYC 100/6.0  Principles of Psychology                                 FW
An introductory survey of basic areas of psychology including perception, cognition, learning and motivation and their biological substrata. Also reviewed are child development, individual differences, social psychology and abnormal psychology. Research participation experience is provided for students on an individual voluntary basis. Students are encouraged to participate in up to five hours of research experimentation. The course is based on a blended model where online learning is supplemented with a weekly lecture and small-group learning lab.

SPAN 111/3.0  Beginning Spanish I                                  F
Offers a basic level of Spanish understanding, speaking, reading and writing for students who have no knowledge of Spanish whatsoever.

SPAN 112/3.0  Beginning Spanish II                                  W
The continuation of SPAN 111/3.0. Also for students entering the University who have some knowledge of Spanish but have not completed 4U Spanish or equivalent. For these students an assessment exam or interview with an academic adviser is required before registration. Contact the Department of Languages, Literatures and Cultures for details.
Using SOLUS

NOTE: Since you will be studying at the Bader International Study Centre this year, remember to change the Campus default from “Main” to “Bader International Study Ctr”

This function allows students to search for courses that are offered at the BISC during the academic year based on the term (fall/winter). A variety of criteria are available to search including: Course Subject, Course Number, and additional criteria.

Once the “Search” has been competed, a list of courses within the specified subject will appear. If the search was done with “Show Open Classes Only”, then only courses with spaces available will appear. If this box is unchecked, a complete list of the courses run in that subject will appear regardless of whether space is available to enroll.

The “Status” will appear as a blue square if the course is closed or as a green circle if the course is open and there is space to enroll.
Using SOLUS

Classes can be added to the Shopping Cart in two ways:

1. Entering the class number
2. By class search

Shopping Cart

The Shopping Cart is a tool that has been designed to facilitate enrollment. The Shopping Cart has the ability to hold all the courses that the student plans to enroll in for the academic year and validate whether the student may enroll in the course. Validation ensures that the student meets all requirements and has the proper prerequisites needed to enroll. Courses must be in the shopping cart before they can enroll.

Students then have the opportunity to organize the courses by term (Fall, Winter, Summer) for any year of study which may act as a structure for a student to plan their degree and to ensure that their Plan(s) requirements are being fulfilled.
NOTE: Validating your courses in your Shopping Cart will check for all possible combinations of errors to determine whether a course is “OK to Add” or presents a “Potential Problem”. Problems may include missing prerequisites, the course is an exclusion, maximum course load has been reached, and/or timetable conflicts. Validation should be done before attempting to enrol.

**SOLUS ENROL**

**Step 1: Select Classes to ADD**

All the courses in the Shopping Cart will be added after you proceed to Step 2. One may enroll in courses individually through the “Shopping Cart” function under the “Plan” tab.

**Step 2: CONFIRM classes**

Ensure you are enrolling in the proper courses and that you meet the course requirements by using the “Validate” function in the “Shopping Cart”.

**Step 3: View RESULTS**

A “Message” and a “Status” will appear indicating whether you have been successfully enrolled in the course or whether there has been an error preventing you from enrolling.
Important Dates for BISC

<table>
<thead>
<tr>
<th>July</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>8</td>
<td>Students can access the Student Centre on SOLUS to view enrolment appointment times</td>
</tr>
<tr>
<td>8</td>
<td>Students may begin adding their classes into the shopping cart in SOLUS</td>
</tr>
<tr>
<td>9</td>
<td>Webinar on BISC Course Registration for students who are not able to attend Summer</td>
</tr>
<tr>
<td></td>
<td>Orientation to Academics and Resources (SOAR). For more information and to register see:</td>
</tr>
<tr>
<td></td>
<td>queensu.ca/studentexperience</td>
</tr>
<tr>
<td>12</td>
<td>Summer Orientation to Academics and Resources (SOAR). For more information and to register</td>
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<tr>
<td></td>
<td>see: queensu.ca/studentexperience</td>
</tr>
<tr>
<td>12</td>
<td>Enrolment beings for BISC courses</td>
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<tr>
<td>13</td>
<td>Summer Orientation to Academics and Resources (SOAR). For more information and to register</td>
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<td></td>
<td>see: queensu.ca/studentexperience</td>
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<tr>
<td>August</td>
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</tr>
<tr>
<td>2</td>
<td>Last day for BISC course enrolment</td>
</tr>
</tbody>
</table>

Next Steps: Time to ENROL

Before enrolling:

- Have you validated the courses in your Shopping Cart? (Ensure both A and B sections of Multi-Term courses are in the Shopping Cart when validating)
- Are only the courses in which you plan to enroll in your Shopping Cart?
- Did you select enough courses to be considered full-time?

Some students with OSAP, awards or scholarships or other financial aid must register in a minimum number of credits to be considered full-time. If you are in this category, make sure you know your funding requirements. Choose five courses in each term.

- Are there prerequisites for courses you want to take in later years?

Browse through the Courses of Instruction of various subject areas that interest you to see if any prerequisites exist. If so, plan to meet those requirements as needed (which may be in first year).

- Don’t forget! Class selection ends August 2nd for BISC students.

Once your Enrolment Appointment has arrived you may begin to enroll in your courses! By this time you should have all the courses you plan on taking in your Shopping Cart, already validated, and ready to be added.
Next Steps: 5 Steps to Course Registration

1. Register now for BISC Orientation
The BISC Summer Orientation to Academics and Resources session (BISC SOAR) is being held on Friday, July 12 and Saturday, July 13. Details outlining this session can be found at: www.queensu.ca/studentexperience. Register early to confirm your participation in either Friday, July 12 or Saturday, July 13. If you are unable to attend the orientation session, follow the steps outlined below in Step 3 and review your materials carefully.

2. Prepare for Course Registration
Read this manual in preparation for registration. Consult the Faculty of Arts and Science online course calendar for information regarding degree programs and requirements. Use the BISC Course Registration Preparation Sheet to help you determine which courses you would like to take at the BISC. Be sure to write down any questions you have should you decide that you would like to speak with an academic advisor either during BISC SOAR or by telephone with an advisor in the Faculty of Arts and Science office.

3. Attend BISC SOAR or Consult an Academic Advisor (if required)
Academic advisors will be available to meet with you at SOAR if you need to speak to someone about your course selections. If you are unable to attend the session, please consult the information that is available on the BISC and Faculty of Arts and Science websites and the information in this course manual. If you would like to speak with an advisor about your course selections, you may call our first year hotline at (613)-533-6708 and speak with one of our friendly and helpful Registration Assistants. Be sure to have your BISC Course Registration Preparation Sheet on hand during your appointment while speaking with the Registration Assistant.

4. Register for Your Courses
Use your BISC Course Registration Preparation Sheet and the information in this manual to plan your courses for the upcoming academic year. On July 8, you will be able to view your appointment time for course registration on SOLUS. All BISC First-Year students will be able to begin registering in their courses on 12 July so make sure you have access to the internet during that time. In the days leading up to your appointment time, you can start filling up your shopping cart on SOLUS. Make sure you select Bader International Student Ctr. as your Campus, (and not Main!) when selecting your courses. If you need some tips on navigating SOLUS, there are some handy tips available on the University Registrar website.

Your BISC timetable will be developed after the course registration period is complete so you do not need to worry about fitting your courses into certain time slots – The BISC will do this for you! Individual student timetables and experiential learning schedules will be developed after the course registration deadline. You will receive them when you arrive at the BISC in September. There will be an open enrolment period at the beginning of the term if you decide to swap courses. Course registration for BISC students closes on 2 August 2019. Register on time in order to secure the courses of your choice. You will not be able to make course changes on SOLUS yourself after 2 August so if you wish to add or drop a course, you will need to meet with an academic advisor and submit an academic change form during open enrolment in September.

5. Pay your BISC Program Fees
Ensure that your program fees are submitted before the deadline. Program fees must be received on time in order to issue the Certificate of Offer of Admission (required for entry clearance upon arrival in the UK).
1. Refer to the Faculty of Arts and Science Academic Calendar (quartsci.com/academiccalendar) and the course list in this document for specific information on the academic programs open to you. Choose up to five plans/programs of study (majors/medials/generals/specialists) that interest you and list them below.

   a. 
   b. 
   c. 
   d. 
   e. 

2. Use the Faculty of Arts and Science Calendar and the course list in this document to determine the specific first year courses you need to fulfill plan requirements for the plans you listed above. List the required first year core courses and supporting courses, if any, next to the plans above.

3. Refer to the selection of first year courses being offered at the BISC in 2019-2020 in order to choose the courses which best fit your interests and plan requirements. List the matching course(s) in the appropriate column(s) below. Full-year (6.0) FW courses should be listed in both columns.

<table>
<thead>
<tr>
<th></th>
<th>Fall Term</th>
<th>Winter Term</th>
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<tbody>
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4. Fill in any remaining blank areas with elective course(s) that interest you most. Make sure you enter semestered courses (3.0 units) in the correct term column.

5. Write down any questions that you may have for discussion with your advisor.
## Recommended Courses by PLAN

Most Arts and Science first-year students are in ASC1 (General Arts and Science Year 1) Plan. You will be required to choose a Plan at the end of 1st year. The list allows you to plan what courses to take in first year so you can maximize your options and flexibility in your upper years.

Some of the recommended courses are not available at the BISC, however you will have the opportunity to take the course you need in second year or perhaps through Arts and Science Online during the Summer where available.

**NOTE:** BISC 100/3.0 and BISC 102/3.0 are not required for all Plans but highly recommended for students interested in developing interdisciplinary and intercultural skills.

<table>
<thead>
<tr>
<th>Desired Plan</th>
<th>Recommended Courses</th>
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<tbody>
<tr>
<td><strong>Applied Economics (ECON)</strong></td>
<td>• ECON 110/6.0 or ECON 111/3.0 and ECON 112/3.0 (<em>if studying at the Bader International Study Centre</em>)&lt;br&gt;• MATH 126/6.0 or MATH 121/6.0&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0</td>
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<tr>
<td><strong>Major</strong></td>
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<td><strong>Art History (ARTH)</strong></td>
<td>• ARTH 120/6.0 or ARTH 116/3.0 and ARTH 117/3.0 (<em>if studying at the Bader International Study Centre</em>)&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0</td>
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<tr>
<td><strong>Major, Medial, Minor</strong></td>
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<tr>
<td><strong>Astrophysics (ASPH)</strong></td>
<td>• MATH 110/6.0 or MATH 111/6.0&lt;br&gt;• MATH 120/6.0 or MATH 121/6.0&lt;br&gt;• PHYS 104/6.0 or PHYS 106/6.0&lt;br&gt;• CHEM 112/6.0&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0</td>
</tr>
<tr>
<td><strong>Specialization</strong></td>
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<tr>
<td><strong>Biochemistry (BCHM)</strong></td>
<td>• BIOL 102/3.0&lt;br&gt;• BIOL 103/3.0&lt;br&gt;• CHEM 112/6.0&lt;br&gt;• MATH 121/6.0&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0&lt;br&gt;• PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0</td>
</tr>
<tr>
<td><strong>Specialization, Major, Minor</strong></td>
<td><strong>Note:</strong> Although Physics is not required for the Minor Plan, it is recommended if you wish to keep your options open for a change to a Chemistry, Geology, Life Sciences or Physics Plan in the future.</td>
</tr>
<tr>
<td>Desired Plan</td>
<td>Recommended Courses</td>
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</tbody>
</table>
| **Biology & Mathematics (BIMA)**  | • BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• MATH 110/6.0 or MATH 111/6.0  
• MATH 120/6.0 or MATH 121/6.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: It is highly recommended that you take:*  
• PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0 |
| **Biology & Psychology (BIPS)**   | • BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• PSYC 100/6.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: It is highly recommended that you take:*  
• PHYS 106/6.0 or PHYS 117/6.0  
• MATH 121/6.0 or MATH 126/6.0 *is also recommended if you wish to keep your options open to change your plan to one of: Biology, Biochemistry, Chemistry, Geology, Life Sciences or Physics Plan in the future. |
| **Biotechnology (BTEC)**          | • BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• MATH 121/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Biomedical Computing (BMCO)**   | • CISC 121/3.0 (Fall)  
• BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• MATH 121/6.0  
• CISC 102/3.0  
• MATH 111/6.0 or MATH 112/3.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.* |
| **Chemistry (CHEM)**              | • CHEM 112/6.0  
• MATH 112/3.0 or MATH 111/6.0 or MATH 110/6.0  
• MATH 121/6.0  
• BISC 100/3.0 and BISC 101/3.0  
• PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0  

*Note: The Algebra requirement (MATH 112 or MATH 111 or MATH 110) may be deferred until second year.*  
*Note: MATH 112/3.0 or MATH 111/6.0 or MATH 110/6.0 is not required in the Minor Plans.*
<table>
<thead>
<tr>
<th>Desired Plan</th>
<th>Recommended Courses</th>
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</table>
| Classical Studies (CLST) Specialization, Major, Medial, Minor | • CLST 102/3.0 and CLST 103/3.0  
• BISC 100/3.0 and BISC 101/3.0  
**Note:** If you hold Grade 12 Latin or Greek or equivalent, you may be able to start at the second year level in the language. |
| Cognitive Science (COGS) Specialization | • COGS 100/3.0  
• CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• CISC 102/3.0  
• MATH 111/6.0 or MATH 112/3.0  
• 2 of LING 100/6.0 or PSYC 100/6.0 or (PHIL 111/6.0 or PHIL 115/6.0)  
• BISC 100/3.0 and BISC 101/3.0  
**Note:** Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year. |
| Computing (COMP) Major, Minor | • CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• CISC 102/3.0  
• MATH 121/6.0  
• MATH 111/6.0 or MATH 112/3.0  
• BISC 100/3.0 and BISC 101/3.0  
**Note:** Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.  
**Note:** Students intending to do a COMP Minor plan take one of CISC 102/3.0 or MATH 110/6.0. The remaining MATH courses indicated above are not required. |
| Computing and the Creative Arts (COCA) Specialization | • CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• CISC 102/3.0  
• BISC 100/3.0 and BISC 101/3.0  
At least 6.0 units in one of the following creative arts disciplines:  
- ARTH 120/6.0  
- FILM 110/6.0  
- DRAM 100/6.0  
- MUSC 104/3.0, MUSC 156/3.0, MUSC 191/6.0, (MUTH 110 or 111)  
**Note:** Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.  
**Note:** MATH 121/6.0 is recommended if you wish to keep your options open to switch into another Computing Plan. |
<table>
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<th>Desired Plan</th>
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</table>
| **Computing and Mathematics (COMA) Specialization** | • CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• MATH 120/6.0 or MATH 121/6.0  
• MATH 110/6.0 or MATH 111/6.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.* |
| **Computer Science (CSCI) Specialization**        | • CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• CISC 102/3.0  
• MATH 121/6.0  
• MATH 111/6.0 or MATH 112/3.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.* |
| **Drama (DRAM) Major, Medial, Minor**             | • DRAM 100/6.0 or DRAM 181/6.0 or  
• BISC 100/3.0 and BISC 101/3.0  |
| **Earth System Science (EGPY, Sub-discipline in Environmental Science) Specialization** | • BIOL 111/3.0 or BIOL 103/3.0  
• CHEM 112/6.0  
• GPHY 101/3.0  
• GPHY 102/3.0  
• GEOL 104/3.0  
• MATH 111/6.0 or MATH 121/6.0  
• PHYS 106/6.0 or PHYS 117/6.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: The initial requirements of this Plan leave no room for electives in first year. You may defer the Biology or Chemistry requirements to second year and fill the space with an elective(s) in first year.* |
| **Economics (ECON) Major, Medial, Minor**         | • ECON 110/6.0 or ECON 111/3.0 and ECON 112/3.0  
• MATH 126/6.0 or MATH 121/6.0  
• BISC 100/3.0 and BISC 101/3.0  |
| **Economics (ECPP) Sub-plan in Politics, Philosophy and Economics Specialization** | • ECON 110/6.0 or ECON 111/3.0 and ECON 112/3.0  
• 6.0 units from PHIL at the 100-level  
• POLS110/6.0  
• BISC 100/3.0 and BISC 101/3.0  |
| **English Language & Literature (ENGL) Major, Medial, Minor** | • ENGL 100/6.0  
• BISC 100/3.0 and BISC 101/3.0  |
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<th>Desired Plan</th>
<th>Recommended Courses</th>
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| **Environmental Science (ENSC) Major, Minor** | • BIOL 103/3.0 or BIOL 111/3.0  
• CHEM 112/6.0  
• ENSC103/3.0  
• GPHY 101/3.0  
• GPHY 102/3.0  
• GEOL 104/3.0 or GEOL 107/3.0  
• BISC 100/3.0 and BISC 101/3.0  
• Any 6.0 units from MATH (If undecided, choose MATH 121/6.0) |
| **Environmental Biology (EBIO, Sub-discipline in Environmental Science) Specialization** | • BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• ENSC103/3.0  
• GPHY 101/3.0  
• GPHY 102/3.0  
• GEOL 104/3.0 or GEOL 107/3.0  
• MATH 111/6.0 or MATH 121/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Environmental Chemistry (ECHM, Sub-discipline in Environmental Science) Specialization** | • BIOL 111/3.0 or BIOL 103/3.0  
• CHEM 112/6.0  
• ENSC103/3.0  
• GPHY 101/3.0  
• GPHY 102/3.0  
• GEOL 104/3.0 or GEOL 107/3.0  
• MATH 111/6.0 or MATH 121/6.0  
• PHYS 104/6.0 or PHYS 106/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Environmental Geology (EGEO, Sub-discipline in Environmental Science) Specialization** | • BIOL 103/3.0 or BIOL 111/3.0  
• CHEM 112/6.0  
• ENSC103/3.0  
• GPHY 101/3.0  
• GPHY 102/3.0  
• GEOL 104/3.0  
• GEOL 107/3.0  
• MATH 121/6.0  
• PHYS 106/6.0 or PHYS 117/6.0  
• BISC 100/3.0 and BISC 101/3.0 |

*Note: The initial requirements of this Plan leaves no room for electives in first year. You may defer Geography or Geology to second year.*
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<th>Desired Plan</th>
<th>Recommended Courses</th>
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| **Environmental Life Science**                  |  • BIOL 102/3.0  
  • BIOL 103/3.0  
  • CHEM 112/6.0  
  • ENSC103/3.0  
  • GPHY 101/3.0  
  • GPHY 102/3.0  
  • GEOL 104/3.0 or GEOL 107/3.0  
  • MATH 112/3.0, MATH 111/6.0 or MATH 121/6.0  
  • PHYS 106/6.0 or PHYS 117/6.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
  *Note: If you are considering a Major in Life Sciences or Biology, MATH 121 is recommended.  
  *Note: There are actually only 3.0 units required in MATH at the 100 level or STAT at the 200-level or above. If you don't want to take MATH 112, 111 or 121 you can wait and take a STAT 263 in year 2 or 3. All other MATH and STAT courses have prerequisites*                                                                                     |
| **Environmental Toxicology**                    |  • BIOL 102/3.0  
  • BIOL 103/3.0  
  • CHEM 112/6.0  
  • ENSC103/3.0  
  • GPHY 101/3.0  
  • GPHY 102/3.0  
  • GEOL 104/3.0  
  • MATH 111/6.0 or MATH 121/6.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
  *Note: If you are considering a Major in Life Sciences MATH 121 and one of PHYS 106/6.0 or PHYS 117/6.0 is recommended. If you are considering a Major in Biology MATH 121/6.0 is recommended.*                                                                                                    |
| **Environmental Studies**                       |  • BIOL 103/3.0 or BIOL 111/3.0  
  • ENSC103/3.0  
  • GPHY 101/3.0  
  • GPHY 102/3.0 (Minor only needs 102)  
  • GEOL 104/3.0 or GEOL 106/3.0 or GEOL 107/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
  *Note: For a Medial in Environmental Studies choose 3.0 units from Math or Statistics or Chemistry.*                                                                                                                                                                                  |
| **Film & Media (FILM)**                        |  • FILM 110/6.0 or  
  • FILM 104/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
| **French Studies (FREN)**                       |  • FREN 150/6.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
| **Gender Studies (GNDs)**                      |  • GNDS 120/3.0  
  • GNDS 125/3.0 or  
  • GNDS215/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  

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| **Geography (GPHY) (Arts)** Major, Medial, Minor | • GPHY 101/3.0 and GPHY 102/3.0 or  
  • GPHY 102/3.0  
  • BISC 100/3.0 and BISC 101/3.0 |
| **Geography (GPHY) (Science) Major, Minor**      | • GPHY 101/3.0 and GPHY 102/3.0 or  
  • GPHY 102/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  • 12.0 units (for Major Plan) or 6.0 units (for Minor Plan) from CHEM  
  112/6.0; (MATH 110/6.0 or 111/6.0); (MATH 121/6.0 or 126/6.0); (PHYS  
  104/6.0 or 106/6.0 or 117/6.0) |
| **Geology (GEOL)** Specialization, Major, Minor  | • GEOL 104/3.0  
  • GEOL 107/3.0  
  • CHEM 112/6.0  
  • MATH 121/6.0  
  • PHYS 106/6.0 or PHYS 117/6.0  
  • BISC 100/3.0 and BISC 101/3.0  
  • For Specialization choose 6.0 from BIOL 102/3.0, BIOL 103/3.0, BIOL  
  110/3.0, BIOL 111/3.0; MATH 111/6.0; MATH 110/6.0; MATH 112/3.0  
  Note: Minor (Science) Plans do not require both CHEM and PHYS– choose 6.0 
  from CHEM 112 or PHYS 106 or PHYS 117  
  Note: Minor (Arts) Plans choose 6.0 from CHEM 112, MATH 121, PHYS 106 or 
  PHYS 117 |
| **German Studies (GMST)** Medial, Minor           | • GRMN 101/3.0 and GRMN 102/3.0 or  
  • GRMN 201/3.0 and GRMN 202/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  Note: You will have the opportunity during the first two weeks of classes 
  change your registration from one course to the other if it turns out you are at 
  the wrong level. |
| **Global Development Studies (DEVS)** Major, Medial, Minor | • DEVS 100/6.0  
  • 6.0 units in a language (for the Major Plan) or 3.0 units in a language (for 
  the Medial Plan)  
  • BISC 100/3.0 and BISC 101/3.0 |
| **Health Studies (HLTH)** Major, Medial, Minor     | • HLTH 101/3.0  
  • HLTH 102/3.0  
  • PSYC 100/6.0  
  • BISC 100/3.0 and BISC 101/3.0 |
| **Hispanic Studies (HISP)** Major, Medial, Minor    | • SPAN 111/3.0 and SPAN 112/3.0 or  
  • SPAN 204/3.0 and SPAN 205/3.0  
  • BISC 100/3.0 and BISC 101/3.0 |
| **History (HIST)** Major, Medial, Minor             | Choose ONE of:  
  • HIST 121/6.0 or  
  • HIST 122/6.0 or  
  • HIST 124/6.0 or  
  • BISC 100/3.0 and BISC 101/3.0 |
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<th>Desired Plan</th>
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| **Italian (ITLN) Minor** | • ITLN 111/3.0 and ITLN 112/3.0 or  
• ITLN 204/3.0 and ITLN 205/3.0  
• BISC 100/3.0 and BISC 101/3.0  
*Note: You will have the opportunity during the first two weeks of classes to change your registration from one course to the other if it turns out you are at the wrong level.* |
| **Indigenous Studies Minor** | • BISC 100/3.0 and BISC 101/3.0 |
| **Jewish Studies (JWST) Minor** | • BISC 100/3.0 and BISC 101/3.0 |
| **Kinesiology (KINE) Specialization** | • BIOL 102/3.0  
• BIOL 103/3.0  
• HLTH 101/3.0  
• KNPE 125/3.0  
• KNPE 153/3.0  
• KNPE 167/3.0  
• PSYC 100/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Life Sciences (LISC) Specialization, Major, Minor** | • BIOL 102/3.0  
• BIOL 103/3.0  
• CHEM 112/6.0  
• MATH 120/6.0 or 121/6.0 (required for Major and Specialization not Minor)  
• PHYS 106/6.0 or PHYS 117/6.0 (required for Major and Specialization not Minor)  
• BISC 100/3.0 and BISC 101/3.0  
*Note: You need to have completed at least 27.0 units by the end of Year 1 to be eligible for the Major or Specialization.*  
*Note: Students wishing to take upper year PSYC courses should take PSYC 100* |
| **Languages, Literatures and Cultures (LLCU) Major** | • LLCU 110/3.0 and LLCU 111/3.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Linguistics (LING) Major, Medial, Minor** | • LING 100/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Mathematics (MATH) ARTS: Major, Medial, Minor SCIENCE: Major, Minor** | • MATH 110/6.0  
• MATH 120/6.0  
• BISC 100/3.0 and BISC 101/3.0  
*Note: Students in a MATH Minor Plan (Arts or Science) may take MATH 111 instead of MATH 110 and MATH 121 instead of MATH 120.* |
| **Mathematical Physics (MAPH) Specialization** | • MATH 110/6.0  
• MATH 120/6.0  
• PHYS 104/6.0 or PHYS 106/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| **Medieval Studies (MDVL) Minor** | • ENGL 100/6.0 or  
• HIST 121/6.0 or HIST 122/6.0  
• BISC 100/3.0 and BISC 101/3.0  
*Note: You may also consider a First Year ARTH course* |
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<th>Desired Plan</th>
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</table>
| **Music (BMUS) Specialization** | • MUTH 110 and 111<br>• BISC 100/3.0 and BISC 101/3.0<br>• Our ensemble course codes have changed (except for MUTH 160) and are as follows:  
  
  Note: Students who meet higher standards of performing ability may audition in September for acceptance into the “double credit” Applied Study courses MUSC 120/6.0 and MUSC 125/6.0. If you audition successfully, you may change your registration at that time. In addition to their private lessons, students in these advanced courses perform a public recital at the end of first year.  
  
  • One of: MUSC 180/3.0, MUSC 181/3.0, MUSC 183/3.0, MUSC 185/3.0, MUSC 187/3.0, MUSC 188/3.0, 189/3.0  
  (Music Education courses: choose the course related to an instrument which is not your primary performance instrument)  
  • MUSC 112 Topic 1 - Jazz Ensemble  
  • MUSC 112 Topic 2 – Polyhymnia  
  • MUSC 112 Topic 4 - Flute Choir  
  • MUSC 115 Topic 1 – Choral Ensemble  
  • MUSC 115 Topic 2 – Symphony Orchestra  
  • MUSC 115 Topic 3 – Wind Ensemble  
  • MUTH 160/1.5  
  
  Note: Over the course of your degree, you must take at least one year of choral ensemble (MUSC 160/1.5) and therefore it might be advisable to select this in first year. |
| **Music (MUSC) Major, Medial, Minor** | To pursue a Major or Medial Plan in MUSC, in first year you should take:  
  
  • MUTH 110 or MUTH 111 (MUTH courses do not need Royal Conservatory Advanced Rudiments)  
  • MUSC 191/6.0 or MUSC 104/3.0  
  • BISC 100/3.0 and BISC 101/3.0  
  
  Note: MUSC 191/6.0 requires that, as a prerequisite, you hold the Royal Conservatory of Music Advanced Rudiments with first class honours standing or equivalent. Students who do not hold the RCM Advanced Rudiments qualification or equivalent should take MUSC 104/3.0 in their first year.  
  
  To pursue a Minor Plan in MUSC, in first year you should take:  
  
  • MUTH 110/3.0 or MUTH 111/3.0  
  • MUSC 104/3.0  
  • One of MUSC 171/3.0, MUSC 289/3.0 |
| **Philosophy (PHIL) Major, Medial, Minor** | • PHIL 111/6.0 or PHIL 115/6.0  
  • BISC 100/3.0 and BISC 101/3.0 |
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<tr>
<th>Desired Plan</th>
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| Philosophy (PHPE) Sub-plan in Politics, Philosophy and Economics Specialization | • 6.0 units from PHIL at the 100-level  
• ECON 110/6.0 or ECON 111/3.0 and ECON 112/3.0  
• POLS110/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| Physics (PHYS) Specialization, Major, Minor                                 | • MATH 110/6.0 or MATH 111/6.0  
• MATH 120/6.0 or MATH 121/6.0  
• PHYS 104/6.0 or PHYS 106/6.0  
• CHEM 112/6.0 (for Specialization Physics Plan)  
• BISC 100/3.0 and BISC 101/3.0 |
| Political Studies (POLS) Major, Medial, Minor                              | • POLS 110/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| Political Studies (POPE) Sub-plan in Politics, Philosophy and Economics Specialization | • POLS110/6.0  
• 6.0 units from PHIL at the 100-level  
• ECON 110/6.0 or ECON 111/3.0 and ECON 112/3.0  
• BISC 100/3.0 and BISC 101/3.0 |
| Psychology (PSYC) (Arts) Major, Medial, Minor                              | • PSYC 100/6.0  
• BISC 100/3.0 and BISC 101/3.0 |
| Psychology (PSYC) (Science) Major                                           | • PSYC 100/6.0  
• 12.0 units from BIOL 102/3.0 and BIOL 103/3.0, CHEM 112/6.0, PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0, CISC 121/3.0 and CISC 124/3.0, or any 100-level MATH  
• BISC 100/3.0 and BISC 101/3.0  

*Note: The 12.0 units of supporting science credits required for this Plan may also be taken after first year.*

| Religious Studies (RELS) Major, Medial, Minor                               | • RELS 131/6.0 or RELS 161/6.0 or (RELS 162/3.0 and RELS 163/3.0)  
• BISC 100/3.0 and BISC 101/3.0 |
| Sociology (SOCY) Major, Medial, Minor                                       | • SOCY 122/6.0 or  
• BISC 100/3.0 and BISC 101/3.0 |
| Software Design (SODE) Specialization                                      | • CISC 121/3.0 (Fall)  
• CISC 124/3.0 (Winter)  
• CISC 102/3.0  
• MATH 120/6.0 or MATH 121/6.0  
• MATH 111/6.0 or MATH 112/3.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: Students without previous programming experience should replace CISC 121/124 with CISC 101 in the Fall Term and CISC 121 in the Winter Term then take CISC 124 in the Fall Term of second year.*

| Spanish and Latin American Studies (SLAS) Minor                           | • SPAN 111/3.0 and SPAN 112/3.0 or  
• SPAN 204/3.0 and SPAN 205/3.0  
• BISC 100/3.0 and BISC 101/3.0  

*Note: You will have the opportunity during the first two weeks of classes to change your registration from one course to the other if it turns out you are at the wrong level.*
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<tr>
<td><strong>Stage and Screen (STSC) Specialization</strong></td>
<td>• DRAM 100/6.0&lt;br&gt;• FILM 110/6.0 or&lt;br&gt;• FILM 104/3.0&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0</td>
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<td><strong>Statistics (STAT) ARTS: Major, Medial, Minor SCIENCE: Major, Minor</strong></td>
<td>• MATH 110/6.0&lt;br&gt;• MATH 120/6.0&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0&lt;br&gt;<strong>Note:</strong> Students interested in statistics should not take STAT 263/3.0.</td>
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<tr>
<td><strong>World Languages (LANG) Minor</strong></td>
<td>• At least 6.0 and up to 12.0 units in language courses&lt;br&gt;• BISC 100/3.0 and BISC 101/3.0&lt;br&gt;<strong>Note:</strong> Any language offered at Queen’s, other than English, is acceptable.&lt;br&gt;<strong>Note:</strong> To obtain a Minor in World Language Studies, you must study at least two languages over the course of your degree, and one language must be studied at the 300-level. Therefore, to successfully complete this Plan, you should consider choosing to study in first year one language in which you already have some experience.</td>
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For a list of all course descriptions, visit our online Calendar ([quartsci.com/academiccalendar](quartsci.com/academiccalendar)).