



First Year Student Handbook 2021-2022



Table of Contents

Registration Resources.....	3
What is PASS?.....	4
Your Registration Checklist.....	5
What is...? Definitions and Explanations.....	6
How Units Work – BAH.....	7
How Units Work – BSCH/BCMPH.....	8
How to Choose Your Courses	10
Courses Available to First Year Students.....	12
Recommended Courses by Plan.....	14
Meet Jake – First Year Arts.....	29
Meet Lydia – First Year Science.....	31
Meet Sam – First Year Computing.....	34
Which Math Course is Right for Me?.....	37
Which Physics Course is Right for Me?.....	38
Which Computing Course is Right for Me?.....	39
Direct Entry Programs.....	40
How SOLUS Work (Tutorial).....	43
Timetable Grid Template.....	44
Frequently Asked Questions.....	45

Registration Resources

The registration period is the busiest time of year for our staff in the Faculty of Arts and Science and every resource we have is dedicated to providing students with the best support we can during these two weeks of the summer. The volume of calls we receive is very high so this might mean having to wait on hold for a bit longer than usual. If the queue is too long, you might also be directed to leave a voicemail message – but, not to worry – we will call you back and provide you with the assistance you need. In the meantime, here are all of the helpful resources we have available to assist you with the registration process.

- Arts and Science website: www.QUartsci.com/1styear
- Live Chat on our Arts and Science Website (click the “chat” button on the bottom of the screen) from 9-noon and 1-4
- First year registration hotline: Call us at (613) 533-6708 if you need help with registration or have any other questions. Our phone lines will be open Monday through Friday from 9:00 am to noon; 1:00 to 4:00 pm EST. We will offer extended hours from 4:00 to 7:00 pm EST on August 9 and 10
- Faculty of Arts and Science Registration email: asc.registration@queensu.ca
- Arts and Science Facebook Page: www.facebook.com/queensartsci
- Faculty Office, Student Services: Dunning Hall - First Floor, 94 University Ave
Currently our office is closed due to COVID-19, but phones are still open.
 - Phone: 613-533-2470
 - We are open Monday-Friday from 8:30 am to 4:30 pm. Our phones are answered Monday-Friday from 9:00 am to noon; 1:00 to 4:00 pm EST.
- Join us on Zoom: Monday to Friday, August 9 to 20th from noon to 1:00 pm EST
<https://queensu.zoom.us/j/91578440789?pwd=QzZTaG11OTd0WTJ6a3Zzc0t6R2tFdz09#success>

We appreciate your patience...and your kindness!

We know the registration process can sometimes be a stressful experience – it’s a really complex system and it can be challenging for us too. We do care and we will do everything we can to help but remember that our staff are people too and practicing patience and kindness will help make the process easier on all of us.

What is PASS?

PASS (Peer Academic Support Service) is an academic advising service available to all First Year Arts and Science students. It is staffed by a team of upper year undergraduates with various backgrounds, all dedicated to help make your academic transition from high school to university as smooth as possible.

Throughout the regular academic year PASS offers one-on-one, video-call appointments that can be booked through an online booking system so you can choose a time slot that fits your schedule. First year students can also email their questions to passhelp@queensu.ca.

PASS office hours run from Monday to Friday, 9 am – 4 pm EST during the academic year. Book your appointment at: <https://passhelp.youcanbook.me>

Our Peer Advisors can help you with...

- Navigating Solus
- Adding/dropping classes
- Choosing and changing degree programs, plans, and courses
- Exploring online courses and remote options
- Using the Arts and Science course calendar
- Summer studies
- Referrals to other on-campus services

Your Registration Checklist

- July 1: Read the First Year Student Handbook. This document will be your guide through course registration. You will learn what courses to take, how many courses to take, when to enrol in courses and much more.
- July 1: Visit the [Queen's University Class of 2025](#) page to "meet" your peers and get advice from upper-year students.
- July 23: Login to SOLUS and see which courses are available in each term and the times of each course. To find how to do this see [the OUR website](#).
- July 12-23: Attend SOAR. Our Summer Orientation to Academics and Resources aims to help ease the transition of our incoming first-year students and their families. Participants will have an opportunity to learn about academic expectations, resources, learning strategies, and common student transition challenges. [Learn more here](#).
- Aug 3: Login to SOLUS and view your enrolment appointment time. To find how to do this the [OUR website](#).
- Aug 3: Begin adding courses to your shopping cart on SOLUS, make sure to hit the validate button to check for any timetable conflicts. To find how to do this see [the OUR website](#).
- Aug 9: BAH, BFAH, BMUS and QBridge students enroll on SOLUS. Be sure to login and enroll when your enrollment appointment starts to ensure you have as much choice as possible. To find how to do this see [the OUR website](#).
- Aug 10: BSCH, BCMPH students enroll on SOLUS. Be sure to login and enroll for when your enrollment appointment starts to ensure you have as much choice as possible. To find how to do this see [the OUR website](#).
- Aug 13 at noon EST: Class reserves are lifted on all first-year courses for first year students. Science students can now add arts courses and vice versa.
- Aug 17: Registration Pause Day, no activity can be completed on SOLUS.
- Aug 23-29: Registration Hiatus. There will be no registration activity during this week.
- Aug 30: Registration reopens
- Sept 1: Tuition fees due for Fall term for students without an Alternative Payment Arrangement (<http://www.queensu.ca/registrar/financials/HowToPay/APA>)
- Sept 7: First day of classes.
- Sept 20: Change your mind? You have until September 20 to add, drop or swap any fall term or full-year courses.



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
- Bachelor of Science (Honours) Specialization in Kinesiology – BSCH KINE
- Bachelor of Science (Honours) Major in Life Science – BSCH LISC
- Bachelor of Music (Honours) - BMUS
- Bachelor of Computing (Honours) - BCMPH
- Bachelor of Fine Art (Honours) - BFAH

What is a Plan?

A Plan is the concentration or depth part to your Degree Program. It can be a major, medial (similar to a double major), specialization or minor. Most first year students will request their plan at the end of first year in May.

What is a Unit?

Each course has a weighting. Most courses are either 3.0 units (single-term ex: Fall term) or 6.0 units (multi-term ex. Fall and Winter terms). There are a few exceptions where course units don't follow this standard. To graduate, it's not the number of courses you complete that we count, but rather the number of units you have successfully completed – so make sure to watch your unit count. A full time student normally takes five courses (30.0 units) per year. Students in the Bachelor of Music and Concurrent Education usually take more than 30.0 units per year to fit their additional requirements in.

What are Terms?

Each term is an academic period during the calendar year. There are three terms: Fall (September-December), Winter (January-April), Summer (May-August). Summer is an optional term.

What are Electives?

Electives are the free-choice courses or breadth part to your Degree Program. The number of electives you need depends on the Degree Plan you choose.

How Units Work

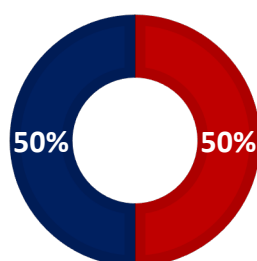
Bachelor of Arts Honours Program (BAH)

Your degree is made up of not just your focus of study, or your Plan, it is also made up of elective courses. You can also create different Degree Plan combinations, the structure of which is shown below.

These are the most common degree combinations that most students in a Bachelor of Arts Honours (BAH) program choose to pursue. A BAH program normally takes 4 years to complete on a full-time basis. Students must take a total of 120 units to graduate. A Major Plan requires 60 units to complete. A minor can range between 30-48 units. A medial is a combination of two subjects where it takes 42 units in each discipline are required to complete.

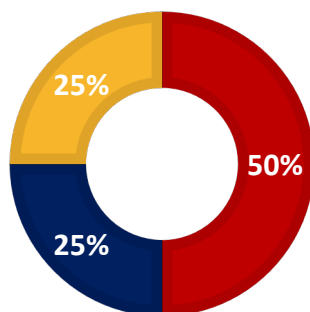
OPTION 1: MAJOR

■ Electives (60 units) ■ Major (60 units)



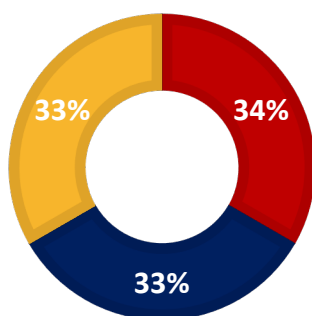
OPTION 2: MAJOR/MINOR

■ Major (60 units) ■ Minor (30 units) ■ Electives (30 units)



OPTION 3: MEDIAL

■ Medial (42 units) ■ Electives (36 units) ■ Medial (42 units)

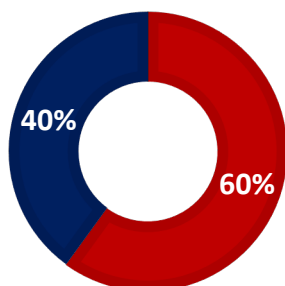


Bachelor of Science Honours and Bachelor of Computing Honours Programs (BSCH and BCMPH)

These graphs show the available degree combinations for Bachelor of Science students. Bachelor of Science students must complete the same 120 units as the Bachelor of Arts students and they also take 4 years of full-time study to complete. Majors in Sciences can range between 60-72 units and minors between 30-48 units. There are also specializations in Science, but no Medials. Specialization plans range between 84-105 units so the majority of your courses will be in that discipline with only a little bit of room for electives.

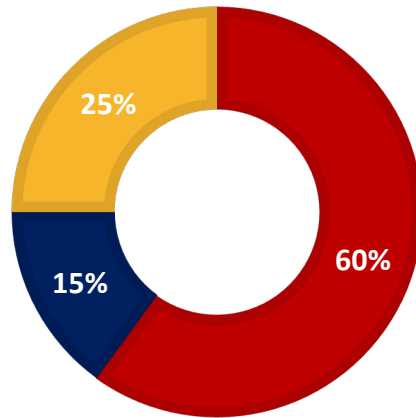
OPTION 1: MAJOR

■ Major (72 units) ■ Electives (48 units)



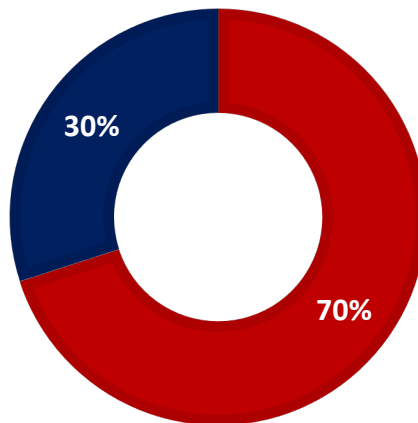
OPTION 2: MAJOR/MINOR

■ Major (72 units) ■ Electives (30 units) ■ Minor (30 units)



OPTION 3: SPECIALIZATION

■ Specialization (84-108 units) ■ Electives (12-36 units)



Choose Your Courses

- Make sure you pick courses that open doors to potential Degree Plans
- Be curious. Don't be afraid to try something you haven't taken in high school.
- Remember that you don't have to do everything in your first year – you will have lots of time in your upper years to take interesting electives.

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.

How Do I Know I Picked the Right Courses?

Once you have your first year courses for Fall term and Winter term selected, it's a good idea to review your list and ask yourself these questions below. If you have chosen courses that lead to many possible Plans and you have the required courses you need to be on track for second year then you have indeed picked the right courses.

Have I left myself many options for choosing a Major/Plan at the end of first year?

It's important to choose courses that could lead to a potential Plan in that subject – that way at the end of first year you will have lots to choose from. If you take too many electives or courses that don't lead to a Plan then you might find yourself with limited options for Plan selection and a pathway for going into second year. Make sure you read through the



“Recommended Courses by Plan” pages and take at least 3-4 courses each term that are highlighted in yellow – those highlighted courses are the ones required to request a Major/Minor/Medial/Specialization in that concentration. Even if you have a firm idea of what you would like to major in now, many students change their minds at the end of first year so it’s always wise to have a solid back-up plan in place.

Have I added too many elective courses?

The courses listed as “Elective Terminal Courses” courses on page 13 are all great and we do want you to take them, but remember you have plenty of time! These courses do not provide a pathway for a future Plan in that subject so it’s best to keep the number of elective courses you take in first year to a minimum, just to make sure that you are leaving yourself with as many pathways open as possible at the end of first year. Once you are in the Plan of your choice then you are welcome to take any and all of these elective courses in your upper years.

What Does It Take to Get Into the Plan of My Choice?

Entry into Plans is competitive and first year grades do matter. It’s wise to take a look at the previous year’s required grades and GPAs to get an idea of how competitive those Plans are that you are considering ([see QUartsci.ca](http://see.QUartsci.ca).) Some Plans like Psychology and Health Studies are more competitive than others so it’s always a good idea to have a solid back up choice in mind and include a pathway for it. Note that these thresholds are subject to change annually and reflect only last year’s requirements.

Am I On Track for Second Year?

Have you followed our list of recommended courses by subject and added all of the courses on that list? If so, yes – you are on track for that potential Plan. Do you have to take them all in first year? Not necessarily but it’s a good idea to check in with a PASS Advisor or the Student Services office for some guidance.

Courses Available

For a list of all course descriptions, visit our online [Calendar](#)

For a detailed course descriptions click [here](#):

ANISHINAABEMOWIN (ANSH)

- 101: Beginning Anishinaabe Language & Culture I
- 102: Beginning Anishinaabe Language & Culture II

ARABIC (ARAB)

- 100: Intro to Arabic (Modern Standard) † [FY]
- 200: Intermediate Modern Standard Arabic † [FY]

ART HISTORY (ARTH)

- 120: Art in the West from Antiquity to Modernity [FY]

BIOLOGY (BIOL)

- 102: Intro Biology of Cells*
- 103: Intro Biology of Organisms*
- 111: Ecology and the Environment

CHEMISTRY (CHEM)

- 112: General Chemistry* [FY]

CHINESE (CHIN)

- 100: Intro Mandarin Chinese I † [FY]

CLASSICAL STUDIES AND ARCHAEOLOGY (CLST)

- 102: Intro to Greek Civilization
- 103: Intro to Roman Civilization
- 130: Intro to Archaeology I. Great Discoveries in Archaeology
- 131: Intro to Archaeology II. Methods and Analysis
- 150: Warfare in the Ancient World

CLASSICAL GREEK (GREK)

- 112: Intro Greek [FY]

COGNITIVE SCIENCE (COGS)

- 100: Intro to Cognitive Science

COMPUTING (CISC)

- 101: Elements of Computing Science***
- 102: Discrete Mathematics for Computing***
- 110: Creative Computing***
- 121: Intro to Computing Science I***
- 124: Intro to Computing Science II***
- 151: Elements of Computing with Data Analytics***
- 181: Digital Societies

DRAMA (DRAM)

- 100: Intro to Theatre [FY]

ECONOMICS (ECON)

- 110: Principles of Economics [FY]
- 111: Intro Microeconomics
- 112: Intro Macroeconomics

ENGLISH (ENGL)

- 100: Intro to Literary Study [FY]

ENVIRONMENTAL SCIENCE/STUDIES (ENSC)

- 103: Environment and Sustainability

FILM AND MEDIA (FILM)

- 110: Film, Culture and Communication ** [FY]

FRENCH (FREN)

- 150: Français Intermédiaire † [FY]

GENDER STUDIES (GNDS)

- 120: Women, Gender, Difference
- 125: Gender, Race, and Popular Culture

GEOGRAPHY & PLANNING (GPHY)

- 101: Human Geography
- 102: Earth Systems Science

GEOLOGY (GEOL)

- 104: The Dynamic Earth
- 107: History of Life

GERMAN (GRMN)

- 101: Beginner's German
- 102: Beginner's German I

GLOBAL DEVELOPMENT STUDIES (DEVS)

- 100: Canada and the "Third World" [FY]

HEALTH STUDIES (HLTH)

- 101: Social Determinants of Health **
- 102: Physical Determinants of Health **

Legend

† Placement test/audition required
* Priority given to first year students in BSCH and BCMPH
** Priority given to first year students in BAH, BFAH, BMUS
*** Priority given to first year students in BCMPH

NOTE: These restrictions will be lifted on August 13 at noon for first year students

[FY]: Full year course

The term offering of all other courses can be found using Class Search on SOLUS

HISTORY (HIST)

- 104: Pre-Confederation Canada: A History of the Present
- 105: Post-Confederation Canada: A History of the Present
- 106: The Making of Modern Europe
- 108: Early Globalization: Contact, Conflict, and Pandemics
- 109: War and Revolution in the Modern World
- 110: Europe from Antiquity to the Scientific Revolution

ITALIAN (ITLN)

- 111: Beginning Italian I
- 112: Beginning Italian II

JAPANESE (JAPN)

- 100: Introductory Japanese † [FY]

LANGUAGES, LITERATURES & CULTURES (LLCU)

- 111: Introduction to Cultures

LATIN (LATN)

- 110: Intro Latin [FY]

LINGUISTICS (LING)

- 100: Intro to Linguistics ** [FY]

MATHEMATICS (MATH)

- 120: Differential and Integral Calculus [FY]
- 121: Differential and Integral Calculus [FY]
- 124: Differential and Integral Calculus II [FY]
- 126: Differential and Integral Calculus ** [FY]
- 110: Linear Algebra [FY]
- 111: Linear Algebra [FY]
- 112: Linear Algebra

MOHAWK (MOHK)

- 101: Beginning Mohawk Language and Culture I
- 102: Beginning Mohawk Language and Culture II

MUSIC (MUSC)

- 100: Small Ensemble (topics: Unspecified Chamber Ensemble, Keyboard Accompaniment) (1.5) † [FY]
- 112: Medium Ensemble (topics: Jazz Ensemble, Polyhymnia, Flute Choir) (1.5) † [FY]
- 115: Large Ensemble (topic: Choral Ensemble, Symphony Orchestra, Wind Ensemble) (1.5) † [FY]
- 104: Introduction to Music Fundamentals
- 114: Teaching Music to Children
- 124: Applied Music† [FY]
- 152: Vocal Composition
- 156: Digital Recording, Editing, and Mixing
- 171: Social History of Popular Music
- 191: Theory and Analysis I [FY]
- 255: Electroacoustic Composition [FY]
- 289: World Musics

HEBREW (HEBR)

- 190: Introduction to Modern Hebrew † [FY]

MUSIC/THEATRE (MUTH)

- 110: The Republic to Rationalism: History, Arts & Performance I
- 111: Listening to Revolutions: History, Arts & Performance II
- 160: Music Theatre Ensemble:
Opera Ensemble (1.5) [FY] *more than 6.0 units*

PHILOSOPHY (PHIL)

(Students should enroll more than 6.0 units)

- 111: What is Philosophy? [FY]
- 115: Fundamental Questions [FY]
- 151: Great Works of Philosophy
- 153: The State and the Citizen
- 157: Moral Issues

PHYSICS (PHYS)

- 104: Fundamental Physics [FY]
- 106: General Physics [FY]
- 117: Intro Physics * [FY]

POLITICAL STUDIES (POLS)

- 110: Intro to Politics and Government [FY]

PORTUGUESE (PORT)

- 103: Beginning Portuguese Culture I
- 104: Beginning Portuguese and Culture II

PSYCHOLOGY (PSYC)

- 100: Principles of Psychology [FY]

RELIGIOUS STUDIES (RELS)

- 131: World Religions/Religious Worlds [FY]
- 162: Religion in the News
- 163: Religion and Popular Culture

SOCIOLOGY (SOCY)

- 122: Intro to Sociology [FY]

SPANISH (SPAN)

- 111: Beginning Spanish I
- 112: Beginning Spanish II

Electives / Terminal Courses

These courses listed below are used only as electives and will not lead to a major. It is recommended that you not take more than 6.0 units of elective courses.

- ASTR 101: Astronomy I: The Solar System
- ASTR 102: Astronomy II: Stars, Galaxies, and the Universe
- BIOL 110: Human Genetics and Evolution
- CISCP81: Computers Applications and Implications
- CISC 151: Elements of Computing with Data Analytics
- EMPR 100: Workplace Communication and Interpersonal Skills
- EMPR 110: Introduction to Employment Relations
- ENGL 160: Modern Prose Fiction
- ENIN 140: Media and Design Thinking
- GEOL 102: Gemstones: Their Art, History and Science
- GEOL 106: Environmental Geology and Natural Hazards
- GPHY 105: The Digital Earth: Geospatial Data and Earth Observation
- HIST 240-002: Issues in History: Introduction to Biblical Hebrew
- MICR 121: Microbiology for Nursing Students
- POLS 101: Contemporary Issues in Politics
- MISC 102: Western Music: Napoleon to 9/11

Courses

Most Arts and Science first-year students are in an 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.

Note: You will have the opportunity during the first two weeks of classes to change your registration in language courses if you find that you are not enrolled in a suitable level.

Pay Attention to the **yellow highlighted courses**! These are the “gateway” courses required to access those Plans (meaning that you have to take them to get into those Plans) so it’s really important that you take those ones in particular. Also keep in mind that the requirements to access all the Degree Plans varies by Department and some are more competitive than others to get into. To get an idea of what grades are needed to get into each of the Degree Plans see our [Plan Thresholds page here](#).

Some plans do not have “gateway” courses, but we still suggest that you take the first-year courses recommended for the Plan. Doing so will help set you up for success in that Plan.

**Plan thresholds are subject to change and updates for the 2021-22 year will be posted in February 2022. Current listings are posted as a general guideline for students.*

Recommended Courses by Plan

Desired Plan	Recommended Courses
Applied Economics (ECON) Major	<ul style="list-style-type: none">ECON 110/6.0 or (ECON 111/3.0 and ECON 112/3.0)MATH 126/6.0 or MATH 121/6.0
Art History (ARTH) Major, Medial, Minor	<ul style="list-style-type: none">ARTH 120/6.0 orARTH 116/3.0 and ARTH 117/3.0 (if studying at the Bader International Study Centre)

Astrophysics (ASPH) Specialization	<ul style="list-style-type: none"> • 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
Biochemistry (BCHM) Specialization, Major, Minor	<ul style="list-style-type: none"> • BIOL 102/3.0 • BIOL 103/3.0 • CHEM 112/6.0 • MATH 121/6.0 • PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0 <p><i>Note: 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.</i></p>
Biology (BIOL) Specialization, Major, Minor	<ul style="list-style-type: none"> • BIOL 102/3.0 • BIOL 103/3.0 • CHEM 112/6.0 • MATH 121/6.0 <p><i>Note: For the Specialization and Major Plan it is highly recommended that you take:</i></p> <ul style="list-style-type: none"> • PHYS 106/6.0 or PHYS 117/6.0 <p><i>Note: 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.</i></p>
Biology & Mathematics (BIMA) Specialization	<ul style="list-style-type: none"> • 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 <p><i>Note: It is highly recommended that you take:</i></p> <ul style="list-style-type: none"> • PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0
Biology & Psychology (BIPS) Specialization	<ul style="list-style-type: none"> • BIOL 102/3.0 • BIOL 103/3.0 • CHEM 112/6.0 • PSYC 100/6.0 <p><i>Note: It is highly recommended that you take:</i></p> <ul style="list-style-type: none"> • 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) Specialization	<ul style="list-style-type: none"> • BIOL 102/3.0 • BIOL 103/3.0 • CHEM 112/6.0 • MATH 121/6.0
Biomedical Computing (BMCO) Specialization	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • 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 <p>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.</p>
Chemistry (CHEM) Specialization, Major, Minor	<ul style="list-style-type: none"> • CHEM 112/6.0 • MATH 112/3.0 or MATH 111/6.0 or MATH 110/6.0 • MATH 121/6.0 • PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0 <p>Note: The Algebra requirement (MATH 112 or MATH 111 or MATH 110) may be deferred until second year.</p> <p>Note: MATH 112/3.0 or MATH 111/6.0 or MATH 110/6.0 is not required in the Minor Plans.</p>
Classical Studies (CLST) Specialization, Major, Medial, Minor	<ul style="list-style-type: none"> • CLST 102/3.0 and CLST 103/3.0 • GREK 112/6.0 • LATN 110/6.0 <p>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.</p>

Cognitive Science (COGS) Specialization	<ul style="list-style-type: none"> • COGS 100/3.0 • CISC 121/3.0 • CISC 124/3.0 • 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) <p>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.</p>
Computing (COMP) Major, Minor	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • CISC 102/3.0 • MATH 121/6.0 • MATH 111/6.0 or MATH 112/3.0 <p>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.</p> <p>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.</p>
Computing and the Creative Arts (COCA) Specialization	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • CISC 102/3.0 • At least 6.0 units in one of the following creative arts disciplines: <ul style="list-style-type: none"> - 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) <p>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.</p> <p>Note: MATH 121/6.0 is recommended if you wish to keep your options open to switch into another Computing Plan.</p>

Computing and Mathematics (COMA) Specialization	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • MATH 120/6.0 or MATH 121/6.0 • MATH 110/6.0 or MATH 111/6.0 <p>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.</p>
Computer Science (CSCI) Specialization	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • CISC 102/3.0 • MATH 121/6.0 • MATH 111/6.0 or MATH 112/3.0 <p>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.</p>
Drama (DRAM) Major, Medial, Minor	<ul style="list-style-type: none"> • DRAM 100/6.0 or • BISC 100/3.0 and BISC 101/3.0 (if studying at the Bader International Study Centre)
Earth System Science (EGPY, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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 <p>Note: The initial requirements of this Plan leave no room for electives in first year. You may defer the Biology or Physics requirements to second year and fill the space with an elective(s) in first year.</p>

Economics (ECON) Major, Medial, Minor	<ul style="list-style-type: none"> • ECON 110/6.0 or (ECON 111/3.0 and ECON 112/3.0) • MATH 126/6.0 or MATH 121/6.0
Economics (ECP) Sub-plan in Politics, Philosophy and Economics Specialization	<ul style="list-style-type: none"> • ECON 110/6.0 or (ECON 111/3.0 and ECON 112/3.0) • MATH 121/6.0 or MATH 126/6.0 • 6.0 units from PHIL at the 100-level • POLS110/6.0
English Language & Literature (ENGL) Major, Medial, Minor	<ul style="list-style-type: none"> • ENGL 100/6.0
Environmental Science (ENSC) Major, Minor	<ul style="list-style-type: none"> • 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 and GEOL 107/3.0 • Any 6.0 units from MATH (If undecided, choose MATH 121/6.0)
Environmental Biology (EBIO, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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

Environmental Chemistry (ECHM, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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 and PHYS 117/6.0 <p>Note: The initial requirements of this Plan leave no room for electives at first year. You may defer Geography or Geology to second year.</p>
Environmental Geology (EGEO, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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 <p>Note: The initial requirements of this Plan leave no room for electives at first year. You may defer the Geography or Biology requirements to second year.</p>
Environmental Life Science (ELSC, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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 <p>Note: If you are considering a Major in Life Sciences or Biology take MATH 121.</p> <p>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 112/3.0, 111/6.0 or 121/6.0 you can wait and take a STAT 263/3.0 in year 2 or 3. All other MATH and STAT courses have prerequisites</p>

Environmental Toxicology (ETOX, Sub-discipline in Environmental Science) Specialization	<ul style="list-style-type: none"> • 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 <p>Note: If you are considering a Major in Life Sciences take MATH 121/6.0 and take one of PHYS 106/6.0 or PHYS 117/6.0. If you are considering a Major in Biology take MATH 121/6.0.</p>
Environmental Studies (ENVS) Major, Medial, Minor	<ul style="list-style-type: none"> • 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 <p>Note: For a Medial in Environmental Studies choose 3.0 units from Math or Statistics or Chemistry.</p>
Film & Media (FILM) Major, Medial, Minor	<ul style="list-style-type: none"> • FILM 110/6.0 or • FILM 104/3.0 and BISC 100/3.0 (if studying at the Bader International Study Centre)
French Studies (FREN) Major, Medial, Minor	<ul style="list-style-type: none"> • FREN 150/6.0
Gender Studies (GNDS) Major, Medial, Minor	<ul style="list-style-type: none"> • GNDS 120/3.0 or • GNDS 125/3.0 or • BISC 101/3.0

Geography (GPHY) (Arts) Major, Medial, Minor	<ul style="list-style-type: none"> • GPHY 101/3.0 and GPHY 102/3.0 or • GPHY102/3.0 and BISC 100/3.0
Geography (GPHY) (Science) Major, Minor	<ul style="list-style-type: none"> • GPHY 101/3.0 and GPHY 102/3.0 or • GPHY102/3.0 and BISC 100/3.0 • 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	<ul style="list-style-type: none"> • 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 • 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 <p>Note: Minor (Science) Plans do not require both CHEM and PHYS– choose 6.0 from CHEM 112/6.0 or PHYS 106/6.0 or PHYS 117/6.0</p> <p>Note: Minor (Arts) Plans Instead of CHEM and MATH and PHYS choose 6.0 from CHEM 112/6.0 or MATH 121/6.0 or PHYS 106/6.0 or PHYS 117/6.0</p>
German Studies (GMST) Medial, Minor	<ul style="list-style-type: none"> • GRMN 101/3.0 and GRMN 102/3.0 or • GRMN 201/3.0 and GRMN 202/3.0 <p>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.</p>

Global Development Studies (DEVS) Major, Medial, Minor	<ul style="list-style-type: none"> • DEVS 100/6.0 or DEVS 105/3.0 • 6.0 units in a language (for the Major Plan) or 3.0 units in a language (for the Medial Plan)
Health Studies (HLTH) Major, Medial, Minor	<ul style="list-style-type: none"> • HLTH 101/3.0 • HLTH 102/3.0 • PSYC 100/6.0
Hispanic Studies (HISP) Major, Medial, Minor	<ul style="list-style-type: none"> • SPAN 111/3.0 and SPAN 112/3.0 or • SPAN 204/3.0 and SPAN 205/3.0 <p>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.</p>
History (HIST) Major, Medial, Minor	<p>Choose TWO (6.0 units) of:</p> <ul style="list-style-type: none"> • HIST 104/3.0 • HIST 105/3.0 • HIST 106/3.0 • HIST 108/3.0 • HIST 109/3.0 • HIST 110/3.0 • BISC 100/3.0 and BISC 101/3.0
Italian (ITLN) Minor	<ul style="list-style-type: none"> • ITLN 111/3.0 and ITLN 112/3.0 or • ITLN 204/3.0 and ITLN 205/3.0 <p>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.</p>

Indigenous Studies Major, Minor, Medial	<p>Choose TWO (6.0 units) of:</p> <ul style="list-style-type: none"> • ANSH 101/3.0 and ANSH 102/3.0 • LLCU 101/2.0 and LLCU 102/3.0 • MOHK 101/3.0 and MOHK 102/3.0
Jewish Studies (JWST) Minor	<ul style="list-style-type: none"> • HEBR 190/6.0
Kinesiology (KINE) Specialization	<ul style="list-style-type: none"> • 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
Life Sciences (LISC) Direct Entry, Specialization, Major, Minor	<ul style="list-style-type: none"> • 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) <p>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.</p> <p>Note: Students wishing to take upper year PSYC courses should take PSYC 100</p>
Languages, Literatures and Cultures (LLCU) Major	<ul style="list-style-type: none"> • LLCU 110/3.0 and 111/3.0

Linguistics (LING) Major, Medial, Minor	<ul style="list-style-type: none"> LING 100/6.0
Media and Performance Production (MAPP) <i>Specialization</i>	<ul style="list-style-type: none"> DRAM 100/6.0 or (MUTH 110/3.0 and MUTH 111/3.0) or (BISC 100 and BISC 101/3.0) FILM 110/6.0 or BISC100/3.0 and FILM 104/3.0 (if studying at the Bader International Study Centre)
Mathematics (MATH) ARTS: Major, Medial, Minor SCIENCE: Major, Minor	<ul style="list-style-type: none"> MATH 110/6.0 MATH 120/6.0 <p>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.</p>
Mathematical Physics (MAPH) <i>Specialization</i>	<ul style="list-style-type: none"> MATH 110/6.0 MATH 120/6.0 PHYS 104/6.0 or PHYS 106/6.0
Music (MUSC) Major, Medial, Minor	<p>To pursue a Major or Medial Plan in MUSC, in first year you should take:</p> <ul style="list-style-type: none"> MUTH 110 or MUTH 111 (MUTH courses do not need Royal Conservatory Advanced Rudiments) MUSC 191/6.0 or MUSC 104 <p>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.</p>

	<p>To pursue a Minor Plan in MUSC, in first year you should take:</p> <ul style="list-style-type: none"> • MUTH 110/3.0 or MUTH 111/3.0 • MUSC 104 • One of MUSC 171/3.0, MUSC 289/3.0
Philosophy (PHIL) Major, Medial, Minor	<ul style="list-style-type: none"> • PHIL 111/6.0 or PHIL 115/6.0
Philosophy (PHPE) Sub-plan in Politics, Philsophy and Economics Specialization	<ul style="list-style-type: none"> • 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
Physics (PHYS) Specialization, Major, Minor	<ul style="list-style-type: none"> • 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)
Political Studies (POLS) Major, Medial, Minor	<ul style="list-style-type: none"> • POLS 110/6.0

Political Studies (POPE) Sub-plan in Politics, Philosophy and Economics Specialization	<ul style="list-style-type: none"> • 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
Psychology (PSYC) (Arts) Major, Medial, Minor	<ul style="list-style-type: none"> • PSYC 100/6.0
Psychology (PSYC) (Science) Major	<ul style="list-style-type: none"> • 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 <p>Note: The 12.0 units of supporting science credits required for this Plan may also be taken after first year.</p>
Religious Studies (RELS) Major, Medial, Minor	<ul style="list-style-type: none"> • RELS 131/6.0 or RELS 161/6.0
Sociology (SOCY) Major, Medial, Minor	<ul style="list-style-type: none"> • SOCY 122/6.0 or • BISC 100/3.0 and BISC 101/3.0

Software Design (SODE) Specialization	<ul style="list-style-type: none"> • CISC 121/3.0 • CISC 124/3.0 • CISC 102/3.0 • MATH 120/6.0 or MATH 121/6.0 • MATH 111/6.0 or MATH 112/3.0 <p>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.</p>
Spanish and Latin American Studies (SLAS) Minor	<ul style="list-style-type: none"> • SPAN 111/3.0 and SPAN 112/3.0 or • SPAN 204/3.0 and SPAN 205/3.0 <p>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.</p>
Statistics (STAT) ARTS: Major, Medial, Minor SCIENCE: Major, Minor	<ul style="list-style-type: none"> • MATH 110/6.0 • MATH 120/6.0 <p>Note: Students interested in statistics should not take STAT 263/3.0</p>
World Languages (LANG) Minor	<ul style="list-style-type: none"> • At least 6.0 and up to 12.0 units in language courses <p>Note: Any language offered at Queen's, other than English, is acceptable.</p> <p>Note: 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.</p>

For a list of all course descriptions, visit our [online Calendar](#)

Courses: First Year ARTS

Jake wants to be a History Major.



After reviewing the list of *Recommended Courses by Plan* and reading the [Course Descriptions](#), Jake knows he needs to take a first year History class this year, to satisfy the first-year requirement in order to go on into the plan. Jake chooses HIST 106 in the fall and 110 in the winter. Jake wants to keep the possibility of a Plan in English open, and he sees in the *Calendar* that ENGL 100 would be required so adds that. The possibility of applying to the Faculty of Education (after his Bachelor's degree) is an option Jake wants to keep open and in preparation has been told that PSYC 100 is a requirement. Jake is also interested in sports and healthy living, and after speaking to a few people at SOAR he decides to take HLTH 101 and HLTH 102. Finally, as his last choice, Jake decides to take gender studies in one term and a geology class in the other term.

Jake's Course Choices:

History 106 (F)

History 110 (W)

English 100 (FW)

Psychology 100 (FW)

Gender Studies 120 (F)

Health 101 (F)

Health 102 (W)

Geology 106 (W)

Building Jake's Timetable:

Jake plans to enrol in: HIST 106 & 110, ENGL 100, PSYC 100, HLTH 101, & HLTH 102, GNDS120 and GEOL106.

Jake begins by adding the courses to his Blank Timetable.

- Single lecture courses only have one lecture time and are only offered in one time slot, therefore they should be scheduled first in Jake's timetable. Courses that have multiple lecture sections are offered in many different time slots and can be scheduled to work around other courses much more easily.
- Jake searches each of his classes on SOLUS and notes the times for each lecture on his timetable. Then Jake looks to see if any of his classes require tutorials and add them to his timetable.
- Jake adds his courses to his Shopping Cart on SOLUS.
- Once all of the courses are in the Shopping Cart, the "Validate" function will confirm that all course requirements and prerequisites have been met. Once your Enrollment Appointment arrives, you will be able to add the courses as long as there is space available in the course

Jake's Timetable

NOTE: These are not the actual course times; they are just being used for example purposes

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30		HLTH 101 <i>(fall only)</i>		HLTH 101 <i>(fall only)</i>	
9:30					
10:30	GNDS 120 <i>(fall only)</i>		DEVS tutorial		GNDS 120 <i>(fall only)</i>
11:30		DEVS 100			
12:30		GNDS 120 <i>(fall only)</i>	ENGL 100	ENGL tutorial	DEVS 100
1:30	ENGL 100		DEVS 100		
2:30		PSYC 100		HIST 106 <i>(fall only)</i>	
3:30	PSYC tutorial	HIST 106 <i>(fall only)</i>	HIST seminar		
4:30	HLTH 101 <i>(fall only)</i>				
5:30					

For a list of all course descriptions, visit our [online Calendar](#)

Courses: First Year SCIENCE



Lydia is interested in med school or graduate studies / research in the sciences. Her favourite science in high school was Biology – because of this she is considering a major in Biology. After looking at the *Recommended Courses by Plan*, she sees that the Degree Plan for the Biology Major she should take the following courses to get into the program: BIOL 102, BIOL 103, MATH 121 or equivalent, and CHEM 112. It is highly recommended to take PHYS 117, PHYS 106, or PHYS 104, but not required for Biology. Physics would be required if Lydia were to switch into a Chemistry, Geology or a Life Science Plan, so she decides to take PHYS 117 to keep her options open. Lastly, Lydia refers to the Courses Available to First Year Students and reading *Course Descriptions*, she decides to take PSYC100 as her elective.

Lydia's Course Choices:

Math 121	Physics 117
Biology 102 & 103	Biology 103
Chemistry 112	Psychology 100

Building Lydia' Timetable:

Lydia plans to enrol in MATH 121, BIOL 101 & 103, CHEM 112, PHYS 117, PSYC 100. She knows that because she is in the Sciences, she will need to choose lectures, labs and tutorials and figure out how to make them all fit together. Lydia knows that some of the Science courses have lectures at West Campus so she needs to plan her schedule to allow for a little more time between class (approximately 20 minutes).

Lydia adds her classes to her Shopping Cart on SOLUS.

Once all of the courses are in her Shopping Cart, Lydia clicks the "Validate" button to confirm that all course requirements and prerequisites have been met. Once her Enrollment Appointment arrives, she can complete her enrolment in her classes.

NOTE: THIS IS A HYPOTHETICAL TIMETABLE. IT IS BEING USED FOR EXAMPLE PURPOSES. SCIENCE STUDENTS WILL BE SENT THE OFFICIAL TIMETABLE CLOSER TO REGISTRATION.

TIMETABLE B: Mid-day Lectures

If you plan to enrol in PHYS104 or 106 & MATH120 or 121, this is the schedule you must select.

*MATH121: Choose ONE of LDI (Lecture/Discussion) Section 021 or 022.

	Monday	Tuesday	Wednesday	Thursday	Friday
11:30-12:30	CHEM 112 002	PHYS 104/106	MATH121 LDI 021 MATH 120 001		BIOL 102/103 002
12:30-1:30	MATH121 002 MATH 120 001		BIOL 102/103 002	CHEM 112 002	PHYS 104/106
1:30-2:30	BIOL 103 002	CHEM 112 002	PHYS 104/106	MATH121 LDI 022 MATH 120 001	

Biology Labs - Choose ONE lab section from the list below.

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00	BIOL LABS 004, 005, 006	BIOL LABS 012, 013, 014	BIOL LABS 020, 021, 022	BIOL LABS 028, 029	
9:00-9:30					
9:30-10:00					
10:00-10:30	BIOL LABS 008, 009, 010	BIOL LABS 016, 017, 018	BIOL LABS 024, 025	BIOL LABS 032, 033	
10:30-11:00					
11:00-11:30					

Chemistry Labs - Choose ONE lab section from the list below.

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00		CHEM LABS 025, 026	CHEM LABS 030, 031, 032	CHEM LABS 033, 034	CHEM LABS 038, 039, 040
9:00-9:30					
9:30-10:00					
10:00-10:30					
10:30-11:00					
11:00-11:30					
2:30-5:30		CHEM LAB 012		CHEM LAB 020	

Math Tutorials - Choose ONE tutorial section from the list below.

	Monday	Tuesday	Wednesday	Thursday	Friday
5:30-6:00	MATH 121 TUTS 004, 024	MATH 121 TUTS 006, 010, 026, 030	MATH 121 TUTS 008, 011, 028, 031		
6:00-6:30	MATH 120 TUT 002	MATH 120 TUT 003	MATH 120 TUT 003		

Physics Labs - Choose ONE lab section from the list below.

	Monday	Tuesday	Wednesday	Thursday	Friday
2:30-3:00	PHYS 104/106 Lab 002	PHYS 104/106 Lab 003	PHYS 104/106 Lab 004		
3:00-3:30					
3:30-4:00					
4:00-4:30					
4:30-5:00					
5:00-5:30					

NOTE: THIS IS A HYPOTHETICAL TIMETABLES. IT IS BEING USED FOR EXAMPLE PURPOSES. SCIENCE STUDENTS WILL BE SENT THE OFFICIAL TIMETABLE CLOSER TO REGISTRATION.

TIMETABLE C: Afternoon Lectures

Suggested schedule if you only plan to enrol in 1 or 2 of BIOL 102/103, CHEM 112, MATH 121, PHYS 117.

If you plan to enrol in 3-4 of these classes, you **MUST** choose Timetable A

	Monday	Tuesday	Wednesday	Thursday	Friday
2:30-3:30	CHEM 112 003	PHYS 117 002	MATH121 LDI 023		BIOL 102/103 003
3:30-4:30	MATH 121 003		BIOL 102/103 003	CHEM 112 003	PHYS 117 002
4:30-5:30	BIOL 103 003	CHEM 112 003	PHYS 117 002		
5:30-6:30					

Biology Labs - Choose 1

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00	BIOL LAB 007	BIOL LAB 015	BIOL LAB 023	BIOL LABS 030, 031	
9:00-9:30					
9:30-10:00					
10:00-10:30	BIOL LAB 011	BIOL LAB 019	BIOL LABS 026, 027	BIOL LABS 034, 035	
10:30-11:00					
11:00-11:30					

Chemistry Labs - Choose 1

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00		CHEM LABS 027, 028	CHEM LAB 029	CHEM LABS 035, 036	CHEM LAB 037
9:00-9:30					
9:30-10:00					
10:00-10:30					
10:30-11:00					
11:00-11:30					

Math Tutorials - Choose 1

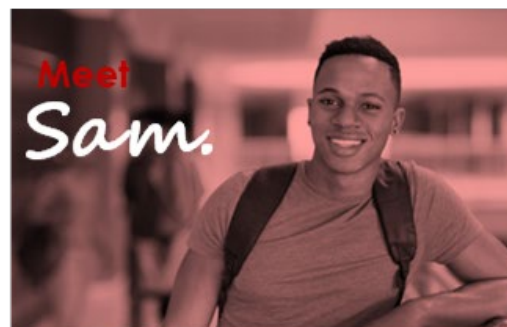
	Monday	Tuesday	Wednesday	Thursday	Friday
5:30-6:00	MATH 121 TUT 005, 025	MATH 121 TUT 007, 027	MATH 121 TUT 009, 029		
6:00-6:30					

Physics Labs - Choose 1

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00	PHYS 117 LAB 003		PHYS 117 LAB 004	PHYS 117 LAB 005	
9:00-9:30					
9:30-10:00					
10:00-10:30					
10:30-11:00					
11:00-11:30					

For a list of all course descriptions, visit [our online calendar](#).

Courses: First Year **Computing**



Sam is interested in software development or web development. He has taken computing courses in high school and does have previous experience coding. After looking at the ***Recommended Courses by Plan***, he sees that the Degree Plan for the Software Design Specialization. He should take the following courses to get into the program: CISC 121, CISC 124, CISC 102, MATH 121, and either MATH 111 or MATH 112. Lastly, Sam refers to the Courses Available to First Year Students and reading [Course Descriptions](#), he decides to take PSYC 100, PHIL 157, and GPHY 101 as his electives.

Sam's Course Choices:

CISC 121/3.0 (F)	PSYC 100(F/W)
CISC 124/3.0 (W)	PHIL 157 (F)
CISC 102/3.0 (F)	GPHY 101 (W)
MATH 121/6.0 (F/W)	
MATH 112/3.0 (W)	



Building Sam's Timetable:

Sam has previous computing experience so he has decided to follow timetable 1. He will be taking CISC 121 in the Fall and then proceed to take CISC 124 in the Winter. If Sam did not have previous computing experience he would follow timetable 2, taking CISC 101 in the Fall and then take CISC 121 in the Winter. CISC 121 is the course needed to gain entry into any computing program so it is important to take in your first year.

Sam adds his classes to his Shopping Cart on SOLUS.

Once all of the courses are in his Shopping Cart, Sam clicks the "Validate" button to confirm that all course requirements and prerequisites have been met. Once his Enrollment Appointment arrives, he can complete his enrolment in his classes.

Sam's timetable 1: Computing Experience

NOTE: These are not the actual course times; they are just being used for example purposes.

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30					
9:30		CISC 102 <i>fall only</i>	CISC 121 <i>fall only</i>		
10:30	CISC 121 <i>fall only</i>			CISC 102 <i>fall only</i>	
11:30					CISC 121 <i>fall only</i>
12:30			MATH 121	GPHY Tutorial	
1:30	PSYC Tutorial				CISC 102 <i>fall only</i>
2:30		GPHY 101 <i>fall only</i>			
3:30			PSYC 100		
4:30					
5:30					

Sam's timetable 2: Little to no Computing Experience

NOTE: These are not the actual course times; they are just being used for example purposes.

***STUDENTS MUST TAKE CISC 121 IN THE WINTER TERM TO BE ELIGIBLE FOR ANY COMPUTING PLAN IF FOLLOWING THIS TIMETABLE.**

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30					CISC 101 <i>fall only</i>
9:30		CISC 102 <i>fall only</i>	CISC 121 <i>fall only</i>		
10:30					
11:30					
12:30	CISC 101 <i>fall only</i>		MATH 121	GPHY Tutorial	
1:30	PSYC Tutorial		CISC 101 <i>fall only</i>		CISC 102 <i>fall only</i>
2:30		GPHY 101 <i>fall only</i>			
3:30			PSYC 100		
4:30					
5:30					

For a list of all course descriptions, visit our online [Calendar](#)

First Year Mathematics, Physics, and Computing

Mathematics

The Department of Mathematics and Statistics offers a number of first-year courses. Your choice of course depends on your background, interests, and what subject you may wish to study in upper years.

MATH 11#-Series: Linear Algebra

- MATH 110/6.0

MATH 110/6.0 is an advanced course in linear algebra, primarily designed for those students who might take Mathematics, Physics, or Statistics courses in second year.

Recommended prerequisite: At least one 4U mathematics course.

- MATH 111/6.0

MATH 111/6.0 is a course in linear algebra, primarily designed for students who intend to pursue something **other** than mathematics or statistics. Students intending to pursue studies in Chemistry may wish to consider this course in lieu of MATH 112/3.0. Students who are undecided as to what Plan they will pursue in upper years at this time should choose this course.

Recommended prerequisite: At least one 4U mathematics course.

- MATH 112/3.0

MATH 112/3.0 is an introductory course in linear algebra. Students intending to pursue a Plan in Chemistry or Computing can take this course. It may also be of particular interest to students in Economics, Geography, Political Studies, Psychology, or Sociology, as it can help prepare students for the second-year courses in statistics required in these Plans.

Recommended prerequisite: At least one 4U mathematics course.

MATH 12#-Series: Calculus

- MATH 120/6.0

MATH 120/6.0 is an advanced course in calculus, primarily designed for those students who might take mathematics or statistics courses in second year.

Recommended prerequisite: MHF4U and MCV4U or 4U AFIC, or permission of the Department

- MATH 121/6.0

MATH 121/6.0 is a course in calculus, primarily designed for students who intend to pursue a Plan in Computing, Biochemistry, Biology, Life Sciences, Chemistry, Geology or Environmental Science. Students who are planning to pursue a Plan in Physics in upper years can take either this course or MATH 120/6.0. Students intending to pursue a Plan in Economics may wish to consider this course instead of MATH 126/6.0 if they have taken calculus at the Grade 12 level. **Note: If you are considering Science plans as listed above you MUST take section 001 of MATH 121 as that is the bio calculus class (only available in Timetable A)**

Recommended prerequisite: MHF4U and MCV4U or 4U AFIC.

- MATH 126/6.0

MATH 126/6.0 is an introductory course in calculus, primarily designed for students in Arts who have not previously taken calculus at the Grade 12 level. **Science students should not register in this course.** Students who are planning to pursue a Plan in Economics can take this course. It may also be of particular interest to students in Geography, Political Studies, Psychology, or Sociology, as it can help prepare students for the second-year courses in statistics required in these Plans.

NOTE Primarily intended for students in the BAH program. Students in the BSCH, BCMPH and BCOM programs should not enrol in this course.

Physics

The Department of Physics offers a number of first-year courses. Your choice of course depends on your background, interests, and what subject you may wish to study in upper years.

PHYS 1## Series

- PHYS 104/6.0

PHYS 104/6.0 is an advanced course in fundamental physics, primarily designed for those students who intend to pursue a Physics or Astrophysics Plan. Even if they are not intending to study Physics at an upper-year level, students with a strong interest or background in physics (particularly those planning to study Mathematics and Statistics, Chemistry, Geology or Computing) are encouraged to consider this course.

Prerequisite: 4U Physics is required.

- PHYS 106/6.0

PHYS 106/6.0 is a course in fundamental physics. Students who intend to pursue a Plan in Mathematics, Statistics, Chemistry, Computing, or Geology in upper-years should take this course along with MATH 120/6.0 or MATH 121/6.0. Students who are intending to study any of Biology, Biochemistry, Life Sciences, or Environmental Science and have a Grade 12 Physics and Math background, are encouraged to consider this course instead of PHYS 117/6.0, however it is not required. Students who are undecided as to what Plan they will pursue in upper years at this time should choose this course. Please note that Grade 12 Math and Physics are pre-requisites for this course.

Prerequisite: 4U Physics is required.

- PHYS 117/6.0

PHYS 117/6.0 is an introductory course in physics. Students who intend to pursue a Plan in Biology, Biochemistry, Life Sciences or Environmental Science in upper-years should take this course.

Students without Grade 11 or 12U Physics must have Grade 12U Math to take this course, and must be prepared to work harder to keep up with the course work.

Prerequisite: 4U Physics is recommended.

Computing

The School of Computing offers a number of first-year courses. Your choice of course depends on your background, interests, and what subject you may wish to study in upper years. Note: All courses may not be offered each year.

CISC 101/3.0 and CISC 110/3.0

CISC 101/3.0 introduces students to the elements of computer science. Any student who has been admitted to a Bachelor of Computing Program, or who may wish to pursue upper-year courses in computing at a later date, but who **does not have any previous programming experience**, should take this course. It is also a good elective choice for any student in Arts and Science. Also see CISC 121/3.0 and CISC 124/3.0.

CISC 102/3.0

This course is required for all degree Plans in the School of Computing except for Computing and Mathematics (COMA). It provides an introduction to mathematical discourse and proof methods. Students will also study sets, functions, sequences, and relations in addition to properties of the integers, equivalence relations, linear and partial orderings. This course meets the first half of the Linear Algebra requirements. Students are to take MATH 112/3.0 to complete the second and final half of the requirement. An alternative to MATH 112/3.0 is MATH 111/6.0 which will satisfy the requirement and provide 3.0 elective units. Students need to have taken or be registered in CISC 121/3.0 to be enrolled in this course.

CISC 121/3.0 and CISC 124/3.0

CISC 121/3.0 and CISC 124/3.0 are the first year courses that introduce students to the study of Computing at the University level. Some previous programming experience is assumed in CISC 121/3.0, which is the prerequisite for CISC 124/3.0. They are also suitable electives for any Arts or Science student. Students who have no previous programming experience but who have been admitted to Computing or who would like take further courses in Computing at an upper-year level should take CISC 101/3.0 or CISC 110/3.0 in the Fall Term, then take CISC 121/3.0 in the Winter term and CISC 124/3.0 the following Fall term. See recommended pre-requisite on page 22.

REGISTRATION: CISC 121/3.0 assumes some programming experience (such as high-school level programming or CISC 101/3.0 or CISC 110/3.0). Note that CISC 121/3.0 is offered in both the Fall, Winter and Summer Terms, and is a prerequisite for CISC 124/3.0.

NOTE: CISC 121 must be taken by the end of first year (Winter 2022) to access Computing as a plan.

Direct Entry Programs & Automatic Registration



If you were admitted to *Concurrent Education (Con-Ed) Arts, Science, Music, Fine Art or the Kinesiology or Bachelor of Music programs* you will be automatically registered in some of your classes.

Con-Ed Arts or Science, you will need to select 30.0 units of Arts and Science classes. **Con-Ed Music**, see below for selection of Music classes. **Con-Ed Fine Art**, see below for selection of Art classes.

Please note that you will be automatically enrolled into:

- PROF 110/3.0
- PRAC 110/1.5

Note: the PROF and PRAC classes are both full-year with A & B sections. The PRAC course is not in your schedule because it is not a weekly class...it reflects a two-week placement that happens outside of class time (at the Holiday Break, in Reading Week, or after final exams).

Kinesiology, you will need to pick 6.0 units of classes. It is recommended that the additional 6.0 units are selected **from the Kinesiology – Natural & Physical Sciences category** however an elective choice is also possible. Your Kinesiology core classes (see below) are automatically added into your timetable for you.

- HLTH 101/3.0 (core)
- KNPE 125/3.0 (core)
- KNPE 153/3.0 (core)
- KNPE 167/3.0 (core)
- PSYC 100/6.0 (core)
- BIOL 102/3.0 (science option)*
- BIOL 103/3.0 (science option)*

***Important Note:** These two Biology classes are NOT core for Kinesiology students. Therefore, if you are not interested in taking one or both of these classes next year, you may go ahead and drop them. They were automatically loaded for all Kinesiology students to make it easier to access a lecture and lab section that fits with the required classes for Kinesiology. Although typically the majority of students **want** to take these classes, you do not **have** to.*

Life Sciences, you will need to pick 6.0 units of classes. It is recommended that the additional 6.0 units are selected from the LISC_LIST_A (anything in ANAT, PHAR or PSYC at the 100 level); however, an elective choice is also possible. You also need to remember to add the 24.0 units of courses listed below (this will NOT be done for you automatically)

- BIOL 102/3.0 (core)
- BIOL 103/3.0 (core)
- CHEM 112/6.0 (core) full year
- MATH 121/6.0 (core) full year
- PHYS 117/6.0 (supporting) full year


Important Note: This applies to students admitted **directly** into the Bachelor of Science (Honours) Life Science Program and students admitted into the Bachelor of Science (General) program who are interested in requesting a Life Science Plan at the end of first year.

Bachelor of Fine Art, you will need to pick 12.0 units of classes. If you are in Con-Ed, we recommend that all students enroll in PSYC 100/6.0. If you plan to teach high school, the other 6.0 units should begin your second teaching subject. If you plan to teach elementary school, you may choose anything that interests you.

Your ARTF core classes (see below) are automatically added into your timetable for you.

- ARTF 127/6.0
- ARTF 128/6.0
- ARTH 120/6.0

***Important Note:** ARTF courses consist of 12 hours of studio classes plus 12 hours of independent studio activities per week.)*



Bachelor of Music, you will need to pick 6.0 units of classes. Your Music core classes (see below) are automatically added into your timetable for you.

MUSC 121/6.0

-
- MUSC 127/3.0
- MUSC 129/3.0 (or MUSC 229 for piano students)
- MUSC 191/6.0
- MUTH 110/3.0
- MUTH 111/3.0

Note: You will need to audition for ensembles in early September; see <https://sdm.queensu.ca/undergraduate/music-students/auditions/ensemble-course-auditions/> for more information. Students will be automatically enrolled in ensembles upon successful audition results.



SOLUS Step-by-Step Tutorial.

To learn more about SOLUS and how to add your classes, [check out our Registrar's website](#) for some handy tutorials and step-by-step videos.

Timetable Template

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30					
9:00					
9:30					
10:00					
10:30					
11:00					
11:30					
12:00					
12:30					
1:00					
1:30					
2:00					
2:30					
3:00					
3:30					
4:00					
4:30					
5:00					
5:30					
6:00					
6:30					
7:00					
7:30					
8:00					
8:30					
9:00					
9:30					

Frequently Asked Questions

I have been admitted to Arts and want to take Science courses, can I do this?

Yes! Given that we are an integrated faculty, students may choose from a wide variety of Arts and Science courses. However, we also need to ensure that the students who are intending to pursue a major in a specific discipline have priority access to the courses that they need. For this reason, we reserve seats in some classes during the first part of registration. This ensures that Arts students receive priority access to Arts courses and that Science students receive priority access to Science courses. Beginning at 12:00 pm (noon) EST on August 17, reserves on first year courses will be removed. On August 18 you may then add the courses you were unable to when your enrolment appointment time began.

What if I want to switch to Science from Arts, can I do this?

It is possible, but there are some challenges.

Access to Plans and progression within Plans. Most Plans within Arts and Science will have at least one first year required course. In order to be eligible to request a specific Plan (eg. BIOL), students normally need to achieve a minimum required grade in that first-year course. If, for some reason, you are not able to enrol in that first-year course, then you likely would not be eligible to apply for that Plan. Also, if you are not able to enrol in the full slate of first-year Science courses you would be behind in your studies and it could take you longer to complete your degree.

Preparation for Science courses. Students who are admitted to Science have completed specific high school science courses. These courses are pre-requisites for university science courses as they provide foundational content to support for university study in science. Students who do not have these pre-requisite courses frequently do not do well in university science courses since they are missing necessary foundational content. Since first-year marks are the determining factor for access to Plans, students are encouraged to make wise choices with their course selection and allow themselves as many options for Plans to study as possible through the selection of their first-year course.

What if I want to switch to Computing from Arts or Science, can I do this?

It is possible, but you may find it difficult to complete the degree within the four year timeframe. A full-time Computing student normally takes CISC 121/3.0, CISC 124/3.0 as well as 12.0 units in MATH during first year and an Arts or Science student may not have had access to all those courses.

How many courses do students in Arts & Science take?

A full-time student normally takes five courses a term to make 30.0 units. Students in BMUS, BAH/BEd and BSCH/BEd have a load higher than 30.0 units. Students may carry fewer than 30.0 units, and as many as 36.0 units, without special permission.

Do I have to follow the science timetables?

Yes, it is very important for students to follow the science timetable, this will ensure that there are no timing conflicts to get from one area of campus to another between classes, as well that you are in the correct math course for science students.

How many courses can I take from another Faculty (i.e. Commerce or Law)?

In their entire academic career, students are permitted to take a maximum of 6.0 units (one full year course or two half year courses) from courses offered by other Faculties and Schools which can be counted towards the Program and/or Plan requirements of any degree in the Faculty of Arts & Science. However, *first year students are not normally permitted to take courses from other faculties until their second year.*

Who do I talk to about transfer credits? Advanced Placement (AP), International Baccalaureate (IB), A-Level, Cambridge Pre-U or French Baccalaureate credits?

If the course was taken before you became a Queen's student, you may apply for the transfer credit [here](#). This includes AP, IB, A-Level, Cambridge Pre-U, French Baccalaureate courses completed in high school.

I am trying to enrol in a class but am getting an error message about the class being reserved? What does that mean?

To ensure that first year students are able to access the courses they need for their degree program, we put "reserves" on some of our first year classes. If you try to add a class and get a "reserved" error message, don't fret! Restrictions on first year classes will be lifted as of noon (EST) on August 13. If you can't get into a class because of a reserve, try again on August 13.

NOTE: this only applies to First-Year Students enrolling in First-Year courses. It does not apply to upper year students. Upper year students will not be able to get into First-Year courses until August 17.

I want to get into a class but it is full – What can I do?

We know how disappointing it can be when this happens but here are a couple of suggestions. Most of our classes will be set up with wait lists. If the class is full, you can opt to go on the wait list. Details on wait lists is available at <http://www.queensu.ca/artsci/students-at-queens/class-selection>. If the class you want doesn't have a wait list, or the wait list is full, keep trying. Students make lots of class changes throughout the registration period and it could happen that someone drops the class you want to add. Perseverance pays off!

Should I have backup course choices if classes are full?

Yes, you should always consider backup choices during the course registration period, especially for elective courses as you are not guaranteed a spot in them. You can browse either the department websites or you can look through the Academic Calendar at this link to see all courses offered by Queen's: <https://www.queensu.ca/academic-calendar/arts-science/>

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

Yes, most upper year courses have prerequisites in order to enroll in them. These prerequisites usually correspond with first year courses. Therefore, it is important to check the prerequisites for upper year courses you will be interested in to ensure you will have the prerequisites needed. A list of all courses and their prerequisites can be found in the Academic Calendar, following this link: <https://www.queensu.ca/academic-calendar/arts-science/>

I didn't apply for admission to the Life Science Program. Can I still get into Life Science at the end of first year?

Yes! There are two pathways available for accessing the Bachelor of Science (Honours) Life Science Program. The first is to apply for direct-entry admission straight into the Program/Plan. The second is to apply for admission to the Science program, take the required courses and earn the grades required for access to LISC and request this Plan at the end of first year.