



St. Thomas More
Collegiate

Course Selection Presentation for Students

Grade 11 to 12 –FEB-2025



Course Selection

Course Selection involves your parents, your teachers, your academic counsellors, and, of course, the student. It is very important that the student is proactive and does their own research.

Course Selection Process Timeline

This meeting is designed to get you thinking and introduce some guidance material.

**Information Evening for Parents
is planned for February 5th.**

February 12th the Course Selection portal will open on Powerschool! The CLE session on **Feb 12th** will also be devoted to Course Selection.

You will be expected to complete your course selection using Powerschool by **February 26th.**

**MAKE INFORMED CHOICES IT IS NOT FIRST COME FIRST SERVED!
CHOICES ARE NOT SET IN STONE!**



Resources Available to You

The [Revised 2025 STMC Programming Guide](#)

Complete with updated course descriptions and names
will be available on your google classroom site shortly

The course selection planning sheet that you have in your hand

This power point will be accessible on your CLC classroom

Visit the various Post-secondary websites (Be pro-active)

Your report card and your teachers.



AS WE APPROACH THE MIDWAY POINT OF GRADE 11, YOU ALSO SHOULD KNOW THAT . . .

Grade 10, 11 and 12 marks are used to determine recipients of a **BC Achievement Scholarship awarded by the Ministry**. They calculate an overall GPA for all credits required for graduation. They rank all grade 12s in the province and the top 8000 win \$1250.

Student's grade 10, 11 and 12 grades **appear on your permanent** transcript used for admissions and scholarships!

Universities pay close attention to all CORE GRADE 11 and 12 courses related to a student's future area of study.

The greatest emphasis is still placed on Grade 12 core courses.



Your current and final grade 11 grades should be an accurate reflection of your strengths and weaknesses as a student. They should guide your course choices.

Pay attention to the numbers in pre-requisite courses because we will as Academic Counsellors!

Senior courses get harder and marks have a tendency to dip a little!

Talk to your teachers! **FOLLOW THEIR ADVICE!**

It is very important to be REALISTIC when keeping your options open.

**I PLAN TO WORK
HARDER NEXT
YEAR!!**



SUBJECT AREA	Credits
Career Life Education (Replaces Planning 10)	4
Career Life Connections 12a and 12b (2 Credits each)	4
English 10	4
English 11 (First Peoples)	4
English 12	4
a Mathematics 10	4
a Mathematics 11	4
an Arts Education and/or Applied Design, Skills, & Technology 10, 11 or 12	4
Social Studies 10	4
a Social Studies 11 or 12 (See below)	4
Science 10	4
a Science 11 or 12 (See Below)	4
Physical & Health Education 10	4
Total Required Course Credits	52 credits
ELECTIVE CREDITS Students must earn at least 28 elective credits from Grade 10-12 courses.	
THESE REQUIRED STMC COURSES ALL COUNT IN THE ELECTIVE TOTAL	
Religion 10	4
Religion 11	4
Religion 12	4
ADDITIONAL ELECTIVES At least 4 courses must be numbered 12. (English 12, Religion 12, CLC 12 plus one more)	16
Total Required Elective Credits	28 credits
OVERALL TOTAL:	80 credits

GRAD REQUIREMENTS

Make sure you hit all the requirements!

But we do that for you as well.

Graduation is VERY achievable!

Numeracy and Literacy Assessments are part of the Grad Requirements

Those assessments will be written later in the year.

They **may play a role in the post-secondary admission process.**

It is impossible to list the requirements and offerings for the myriad of post-secondary options that are available to you. **YOU MUST DO YOUR OWN RESEARCH. This slide show will give you a general idea of admission requirements.**



For UBC, you will want to visit the following two links.

<https://you.ubc.ca/applying-ubc/requirements/>

<https://you.ubc.ca/applying-ubc/applied/application-evaluation/>

On this link you will find two resources.

1. A Video Explaining the Process
2. A Faculty Specific Listing of Core Courses

For SFU, you will want to visit the following link

<https://www.sfu.ca/students/admission/admission-requirements.html>



SIMON FRASER UNIVERSITY
THINKING OF THE WORLD

Completing the Planning Guide

You can choose up to 8 options on this worksheet.

One option can be a study. There will be an online form you will be asked to complete but it is largely a formality. Your parents must approve a study, A vast majority of Grade 12's have a study.

One option can be a TA block but it will need to be approved by completing an online request form. On the form you will . . .

- have to identify who you might want to TA for.
- have to identify which course you would take if you did not get a TA block
- In addition to attending your TA block you will need to complete a variety of online assignments throughout the year
- Appears on your transcript (4 credits) (But is not an Admissions GPA course)

You are bound to earn more credits than you need for graduation or University/College admission. These extra credits will give you more options.

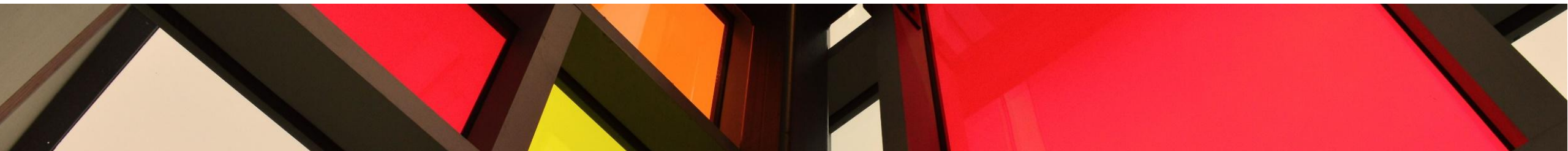
AUTOMATIC COURSES

Religion <i>(required)</i>	<input type="checkbox"/> Religion 11	<input type="checkbox"/> Religion 12
Career Ed. <i>(required)</i>	<input type="checkbox"/> Career Life Connections A (& Capstone)	<input type="checkbox"/> Career Life Connections B (& Exit Interview)
English <i>(required)</i>	<input type="checkbox"/> English First Peoples Literary Studies and Writing 11	<input type="checkbox"/> English Studies 12

Religion 12 is mandatory at STMC. Religion 12 is being accepted more and more by schools across the country.

Career Life Connections B is mandatory for graduation and the mark appears on a student's transcript but is not used to calculate an admissions GPA.

English Studies 12 is mandatory for graduation. Every university uses this grade to calculate an Admissions GPA. (Note: EFP English 11 meets the Indigenous Studies Graduation Requirement.)



MATH OPTIONS

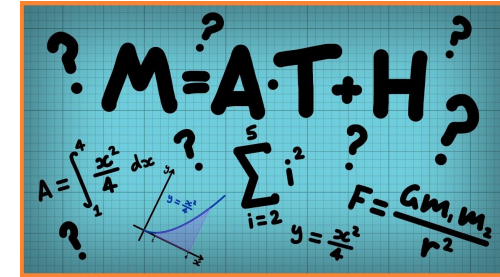
<p>Mathematics <i>(<u>must</u> take 1 at the grade 11 level)</i></p>	<ul style="list-style-type: none"><input type="checkbox"/> Workplace Mathematics 11<input type="checkbox"/> Foundations of Mathematics 11<input type="checkbox"/> Pre-calculus 11<input type="checkbox"/> Pre-calculus Enriched 11	<ul style="list-style-type: none"><input type="checkbox"/> Foundations of Mathematics 12<input type="checkbox"/> Pre-calculus 12<input type="checkbox"/> Calculus 12<input type="checkbox"/> Computer Science 12
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Last year you chose one of these three options

- 1. WORKPLACE MATH 11** **This course meets graduation requirements** but students would almost certainly need to upgrade their math for post-secondary purposes.
- 2. MATH FOUNDATIONS 11** **This course meets graduation requirements and is intended for university (Arts) or college bound students (Arts/Business).** Students who are challenged with the Pre-Calc stream of Math face less stress when they make a decision to go the Foundations stream.
IT IS NOT EASY MATH! IT IS JUST DIFFERENT! MORE ARTS STUDENTS SHOULD CHOOSE THIS OPTION!
- 3. Pre-Calc 11** **meets graduation requirements and keeps the most post-secondary options open.**

Math Courses: Options

The best people to ask for advice on which Math course to take are your teachers.



MATH FOUNDATIONS 12

Students who took **Foundations 11** should take this option if they are heading to post-secondary in the ARTS.

If you had difficulties in **Pre-Calc 11 (Below 75%)** you should consider a switch to the Math Foundations 12 Option. (Especially if you are an Arts student heading to university.

If you are in the Foundations stream and heading to **POST-SECONDARY**, It can very beneficial to take **FOUNDATIONS 12**. It prepares you for the next level.

Note: UBC will only accept Foundations 12 or Pre-Calc 11 not just Foundations 11

MATH OPTIONS (cont.)

PRE-CALCULUS 12

This course is intended for **university** or college students headed into **Arts/Business or Sciences**.

It is a challenging course. A 60% -70% in this class does not help a lot.

Each year students hit the wall in this course and opt to switch into the Foundations Stream.

Students can do this switch early in their grade 12 year. **No later than Thanksgiving)**

DO NOT DELAY!

COMPUTER SCIENCE 12 is a math that can be used for **Admission GPA purposes in Science/Business programs**. It does not replace the typical Pre-Calc 12/Calculus requirement that is found in many programs. However, it can be added to bolster your Math related marks.

It is a very challenging course. (much different than computer programming.



Calculus 12

Do students need Calculus 12?

It is **HIGHLY, HIGHLY** recommended for students going into sciences at university.

It is **HIGHLY** recommended for students going into Business at university.

More and more post-secondary schools are making **CALCULUS 12** a requirement for specific programs. (Eastern universities in particular)

At SFU Engineering, it is actually already a requirement.

**THIS COURSE IS DESIGNED TO BE TAKEN AT THE
SAME TIME AS PRE-CALC 12**

FACT!!! First year Calculus at university has a 50% failure rate!

It is a good idea if you are science or business bound to see it in high school!



SCIENCE OPTIONS

<p>Science (<u>must</u> take at least 1 at the grade 11 or 12 level)</p>	<ul style="list-style-type: none"><input type="checkbox"/> Life Sciences 11<input type="checkbox"/> Chemistry 11<input type="checkbox"/> Physics 11	<ul style="list-style-type: none"><input type="checkbox"/> Anatomy & Physiology 12<input type="checkbox"/> Chemistry 12<input type="checkbox"/> Physics 12<input type="checkbox"/> Specialized Science 12
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You only need a science 11 (or Specialized Science 12) **to Graduate.**

Many of you chose Chem 11 and Physics 11 to keep options open. Now you have a decision to make.

If you are a possible **Arts Major** you do not have to take a science 12 but if you can handle it, it is a good idea to take a science 12 or Geography 12 or Math Foundations 12 (SFU)

If you are a **potential science major**, you should try to have exposure to all 3 core sciences.

For example: Chem 12, Physics 12 Life Science 11 OR Physics 12, Bio 12 and Chem 11

BUT you do not have to take all 3 core science 12's.

Only do that if you are a **very, very strong science student and you love it.**

Specialized Science 12 (SPSC 12) *Fulfills the basic science 11 requirement for graduation* but is **not** an Admissions' GPA course for those aiming to pursue a career in the sciences at the post-secondary level.

Prerequisite: Science 10 or with permission.

Due to demand issues Specialized Science 12 is only offered every second year. It will be offered this year

Science Courses: Things to Consider

Science gets a lot tougher in Grade 12 and even tougher in post-secondary. You must clearly know why you are taking these senior science courses and have a **passion and a work ethic.**



Potential Engineers would need Chem 12 + Physics 12.

Potential medical related field should consider Chem and Anatomy Pysiology 12.

Only students who love sciences and score very well might consider all 3 sciences.

OTHER THINGS TO CONSIDER WHEN IT COMES TO COURSE SELECTION

UBC SCIENCES and many other science programs only require a student to have English 12, Pre-Calc 12 and ONE science 12. BUT THAT IS THE **MINIMUM**. YOU STILL NEED TO MEET THE **COMPETITIVE AVERAGE (92% plus)** AND HAVE A **SOLID SCIENCE/MATH BACKGROUND**. If SCIENCES is your goal, then you really should take **calculus** and at least one other science 12 to help ensure success at the post-secondary level. Remember for most science degrees you will need to take all 3 sciences before you specialize.

Remember if you are thinking of pursuing sciences at SFU, you must have an **average of at least 86% in the Science/Math 12 courses.**

If you are thinking of pursuing sciences at UBC, you must have an average of at **least 92% in the Science/Math 12 courses.**

BIG MISTAKE! So many students in grades 11 and 12 are so focussed on their marks early in the year. They think their fate is sealed.

There are plenty of other options!

Therefore you must be prepared to look at ALL post-secondary options.
(Example: It is a good idea to have Chem 11 if you want to be a nurse but you **do not need an A!**)

Going the college/transfer route might be the best option.

Many other post-secondary schools offer wonderful science program options with lower admission averages.

UVIC, UNBC schools back east!

Where did the Grads of 2024 go!

School	#	Location	School	#	Location
Acadia	2	Nova Scotia	NYU	1	New York
BCIT	11	Burnaby	Queen's	6	Toronto
Blanche MacDonald	1	Vancouver	SFU	34	Burnaby
Cap	3	North Vancouver	Toronto Film	1	Toronto
Corpus Christi	1	Vancouver	Metropolitan	3	Toronto
Douglas	5	New Westminister	UBC	39	Vancouver
Emily Carr	3	Vancouver	UBC-O	3	Kelowna
Fashion Institute	1	New York	U of A	1	Edmonton
GAP	4		Lancashire U	1	England
Kiski Prep	1	Pennsylvania	U of Toronto	5	Toronto
Kwantlen	1	Richmond	Waterloo	1	Ontario
Langara	4	Vancouver	Western	1	London
McGill	1	Montreal	UVIC	3	Victoria
McMaster	1	Hamilton	Vassar College	1	New York
Mount St. Mary's	1	Maryland			

Socials Option

You need a Socials 11 or 12 to graduate!
At STMC we only offer Socials 12 classes

<p>Social Studies <i>(<u>must</u> take at least 1 in grade 11 or 12)</i></p>	<ul style="list-style-type: none"><input type="checkbox"/> 20th Century World History 12<input type="checkbox"/> Law Studies 12<input type="checkbox"/> Physical Geography 12<input type="checkbox"/> Social Justice/Genocide 12<input type="checkbox"/> Economics/Economic Theory 12	<ul style="list-style-type: none"><input type="checkbox"/> 20th Century World History 12<input type="checkbox"/> Law Studies 12<input type="checkbox"/> Physical Geography 12<input type="checkbox"/> Social Justice/Genocide 12<input type="checkbox"/> Economics/Economic Theory 12
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Accelerated Courses

Social Justice/Genocide 12 (8 Credits) Economics/Economics Theory 12 (8 credits)

Economics 12 counts as an academic course at most Universities and **as an Applied Skills course for graduation.**

As a potential Arts Major it is a good idea to have a strong Socials elective back ground.

Arts Education and ADST Options

You must complete one in grade 10, 11 or 12

Note: Depending on the faculty you are applying to these courses may be used for Admissions purposes. You have to check it out!

<p>Arts Education & ADST <i>(must choose at least 1 course in gr.10-12)</i></p> <p>Students are expected to complete the grade 11 course before enrolling in the grade 12 course.</p>	<ul style="list-style-type: none"><input type="checkbox"/> Art Studio 11<input type="checkbox"/> Composition & Production 11<input type="checkbox"/> Computer Programming 11<input type="checkbox"/> Concert Band 11<input type="checkbox"/> Concert Choir 11<input type="checkbox"/> Drafting 11<input type="checkbox"/> Drama 11<input type="checkbox"/> Electronics & Robotics 11 (Mechatronics)<input type="checkbox"/> Engineering 11<input type="checkbox"/> Graphic Production 11<input type="checkbox"/> Human Kinetics 11<input type="checkbox"/> Intro Strength & Conditioning 11<input type="checkbox"/> Intro Strength & Conditioning 11 AM*<input type="checkbox"/> Media Arts 11<input type="checkbox"/> Chamber Choir 11* (by audition)<input type="checkbox"/> Jazz Band 11* (by audition)<input type="checkbox"/> Vocal Jazz 11* (by audition)	<ul style="list-style-type: none"><input type="checkbox"/> Art Studio 12<input type="checkbox"/> Composition & Production 12<input type="checkbox"/> Concert Band 12<input type="checkbox"/> Concert Choir 12<input type="checkbox"/> Drama 12<input type="checkbox"/> Engineering 12<input type="checkbox"/> Graphic Production 12<input type="checkbox"/> Adv. Strength & Conditioning 12<input type="checkbox"/> Adv. Strength & Conditioning 12 AM*<input type="checkbox"/> Mechatronics 12<input type="checkbox"/> Media Arts 12<input type="checkbox"/> Chamber Choir 12* (by audition)<input type="checkbox"/> Jazz Band 12* (by audition)<input type="checkbox"/> Vocal Jazz 12* (by audition)
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Human Kinetics 11 (If you are leaning towards Kinesiology, this could interest you!) It does meet ADST requirements but is not a course Universities look at.

(Industrial Design Pathway (ADST Courses))

THESE ARE INTERESTING AND CHALLENGING COURSES ESPECIALLY FOR THOSE WHO LIKE THE TRADES AND STEM.

THESE COURSE MAY OR MAY NOT BE USED TO CALCULATE ADMISSION GPA'S FOR UNIVERSITY.

If you are in doubt, see Mr. Bough to determine which course is best for you.

Engineering 11 (Industrial Design Pathway) (ENR 11): Grade 11 design engineering course provides a greater level in working within the design cycle and design thinking. Students develop an awareness and understanding of real-life experiences in designing and in the developments and opportunities seen in creative, manufacturing and engineering industries..

Prerequisite: Tech Explorations 10 or with Instructor's permission

Engineering 12 (Industrial Design Pathway) (ENR 12): Built off the prerequisite of grade 11 design engineering this course provides further development and understanding of engineering topics. Students will continue to work within the design cycle and incorporate design thinking..

Prerequisite: Engineering 11 or Electronics & Robotics 11 or with Instructor's permission

Mechatronics Pathway ADST Courses

THESE ARE INTERESTING AND CHALLENGING COURSES ESPECIALLY FOR THOSE WHO LIKE THE TRADES AND STEM.

THESE COURSE MAY OR MAY NOT BE USED TO CALCULATE ADMISSION GPA'S FOR UNIVERSITY.

If you are in doubt, see Mr. Bough to determine which course is best for you.

Electronics & Robotics 11 (Mechtronics Pathway) : Mechatronics is a multidisciplinary field that integrates mechanical engineering, electronics, computer science, and control engineering to design and create intelligent systems and products.. The curriculum emphasizes a hands-on approach, combining theoretical knowledge with practical skills to solve real-world engineering problems. Prerequisite: Tech Explorations 10 or with Instructor's permission

Mechtronics 12 (Mechatronics Pathway) : Mechatronics is a multidisciplinary field that integrates mechanical engineering, electronics, computer science, and control engineering to design and create intelligent systems and products. The curriculum emphasizes a hands-on approach, combining theoretical knowledge with practical skills to solve real-world engineering problems. Prerequisite: Engineering 11 or Electronics & Robotics 11 or with Instructor's permission

ADST Courses Most students will have more than one ADST Block

Media Arts 11 (VAMT 11): (Mr. Brown's Class) Students will strengthen their ability to invent, develop, communicate, and execute creative solutions within the restrictions of real-world scenarios. While students will be introduced to the Adobe Creative Suite. **There will be some expectation that students attend and provide media coverage of some after school events. (Games, concerts etc)**

Media Arts 12 (VAMT 12): Media Arts 12 is a course that builds upon the foundation developed in Media Arts 11 where students are tasked with professional projects in graphic and interactive design, print production, advertising, and media coverage using the software and hardware available to the school. **There will be some expectation that students attend and provide media coverage of some after school events. (Games, concerts etc)**

Drafting 11 (TDRF 11) (previously called "Architectural Design"): (Ms. Codd) Students build on the skills learned in Drafting 10 and work through the design process to solve more complex design problems. Students create and deliver impressive presentations with 3D models, animation walkthroughs, computer renderings, and technical drawings to communicate their ideas. They develop an understanding of building construction technologies and an appreciation for local and international architecture. Students will work on building a portfolio of work that can be used for post-secondary applications. **Prerequisite: Drafting 10**

ADST Courses Most students will have more than one ADST Block

Composition and Production 11 (MUCP 11) (previously called “Recording and Sound”) Students learn the fundamentals of live sound engineering, live sound recording, Foley arts, sound design, podcasting, and music/beat creation. (Mr. Shoemaker)

Composition and Production 12 (MUCP 11) (previously called “Recording and Sound”) Students learn the fundamentals of live sound engineering, live sound recording, Foley arts, sound design, podcasting, and music/beat creation.. Prerequisite: Composition and Production 11

Graphic Production 11 (GRPR 11) (previously called “Yearbook”) Graphic Production 11 is a rigorous course requiring focus, self-motivation, teamwork, and the ability to work under pressure to meet hard and fast deadlines. The course is designed for students intending to pursue careers in journalism, business, graphic arts, or illustration. Essentially, the yearbook program is a business operating within the context of high school.

Graphic Production 12 (GRPR 12) (previously called “Yearbook”) In Graphic Production 12 students further build on the knowledge and skills developed in Graphic Production (Yearbook) 11 while taking on a leadership position in editing, graphics, or general Yearbook production management. Prerequisite: Graphic Production 11

The Computer/Tech Program ADST Courses

Computer Programming 11 (CMPR 11) The Grade 11 course is the first formal programming course offered at STMC, providing students with an opportunity to hone the programming foundation built in Technology Explorations 10. Continuing to work within the Javascript/ECMAScript ecosystem, students will have a broad range of experiences such as interactive web programming, cross-platform development, an introduction to server-side scripting, and even task automation in the browser. This course is primarily project- and experience-based, and students will be provided with ample class time to complete assigned materials. Additional assignments and extensions are available for students seeking further challenges.

Prerequisite: Tech Explorations 10 or with Instructor's permission

Computer Science 12 (MACS 12): This **challenging** course is designed for dedicated students who are either looking for an accelerated computer science challenge or are considering entry into a computer science university program. **It is a Mathematic credit** at most post secondary schools and can be used to calculate a student's entry GPA. It does not replace pre-calc 12 or Calculus 12 however. **Prerequisite: Computer Programming 11 or with Instructor's permission in rare cases.**

Language Options **BIG CHANGES**

Second Language	<input type="checkbox"/> Core French 11	<input type="checkbox"/> Core French 12
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- **You do not need a second language to graduate.**
- **A grade 11 second language is no longer required for admission to UBC Vancouver or SFU**
- We still **recommend** that all university bound ARTS students complete a second language at least to the grade 11 level (unless they have an IEP with a second language exemption). Why6
- We live in a bilingual country; You are doing well and enjoy French.
- There could be an advantage to having French 11 as you pursue your degree.-

Effective Sept 2026

Should a student still take French 12?

- For students heading into **STEM or Business programs**, you do not need to take French 12 BUT
- If you like French 11 and do well, it makes sense. We live in a **bilingual** country and it is a **solid academic course** used to calculate admission GPAs across the country.
- There could be an advantage to having French 12 as you complete your ARTS degree. (It could make it easier to get a minor.) **Do your research!**

From the UBC Advisors: The new UBC Faculty of Arts requirements are such that a student is required to take between 3-6 credits of a second language during their degree at UBC even if they have French 12. There is no exception to this. As such, students are welcome to present a Language 12 if they wish. It is still an academic course used for GPA Admission purposes, but this will no longer exempt them from taking a second language at UBC.

Further Possible Courses

4 credit courses not looked at for GPA Purposes at University

Additional Courses	<input type="checkbox"/> Learning Strategies 11 (<i>if you are already in the program</i>)	<input type="checkbox"/> Psychology 12 ***** <input type="checkbox"/> Leadership 12 <input type="checkbox"/> Learning Strategies 12 (<i>if you are already in the program</i>) <input type="checkbox"/> Teaching Assistant 12
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Psychology 12 is not a course that all post-secondary schools will use when calculating your admission GPA. It maybe just a **Breadth course**. You do not have to take Psychology if you want to pursue a degree in the field. It does cover a lot of interesting topics that you would see at the post-secondary level. It is a tough course.

Leadership 12 is not a course that post-secondary schools will look at when calculating a GPA. It is an interesting course though.

TA 12 is a block worth 4 credits. Accessible to grade 12's only. It involves helping a teacher and completing some assignments. Students can request this course as an option and will be matched up with a teacher based on schedule and subject area. Students must complete an online form during course selection

Learning Strategies 11/12 is a block on a student's schedule but no credits. Students must already be in the program.

Most Grade 12's have a **Study Block**. You apply for that on the Course Selection Screens.

In the next CLC class, I will be going over a few more points of emphasis.

Questions about courses

Summer/Online schools

Applications Where last year grads went, US Schools eastern schools

Scholarships

