

# **COURSE SELECTION HANDBOOK**

for

**STMC STUDENTS ENTERING  
GRADES 11 and 12  
and Parents**

**SPRING 2010**

**St. Thomas More Collegiate**



## INTRODUCTION

This Course Selection Handbook is intended for our senior students and their parents. When choosing courses, there are three factors which must be considered. They are as follows:

1. **The requirements for graduation as outlined by the Ministry of Education's Grad Program.**
2. **STMC's own graduation requirements and course offerings.**
3. **The admission requirements for the various post-secondary institutions.**

In order to help students choose their courses we have provided a copy of the Ministry's Grad Program and a complete listing of all courses offered by STMC. We have also included admission information pertaining to SFU and UBC. The admission standards for these particular schools are among the most difficult in the country, so if a student meets these standards, they will most likely qualify for entry into most post-secondary institutions. The admission requirements for the local colleges are lower and vary from institution to institution. To quickly compare the admission requirements for any institution in BC, see [www.educationplanner.bc.ca/admissions.cfm](http://www.educationplanner.bc.ca/admissions.cfm).

Students have also been given a very important **Course Selection Form**. One side is used to indicate course selections for the upcoming year on the back, students can track their course choices through the years. The students will use this form as a guide when they begin choosing their courses on-line in late March. Counsellors have visited classrooms and have made themselves available for student meetings in the weeks leading to this selection date. A notice will also be sent home to parents indicating the actual courses selected by the students. A time period for changes will also be arranged.

Students and parents should recognize that **the majority of students have no definite plans for their academic futures**. Course selection then becomes a matter of keeping **realistic options open**. The path a student takes to their final educational and career destination is seldom a straight one. Don't focus on the end goal; instead, focus on the little steps along the way. This book is intended to help students and their parents plan those first steps.

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### CONTACT INFORMATION

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Phone: 604-521-1801 Ext 119 E-mail: [academics@stmc.bc.ca](mailto:academics@stmc.bc.ca)

It is important to note that it is the student's responsibility to do their own research for their specific post-secondary plan. No single book can cover all the possible options that are available. The Academic Office is always available for consultation and advice. The students are encouraged to do their own research on the internet. The sites listed below are particularly useful when looking at career and educational options.

<http://www.educationplanner.bc.ca/>  
<http://www.whatskey.org/>  
<http://www.workfutures.bc.ca/>

## Where to begin????

Students should ask themselves a few important questions. Their responses will act as a guide during the course selection process.

**1. Is the goal simply to graduate?** Virtually all our students graduate. Students will take full course loads in grades 10 and 11 and our students can only take one study block in grade 12. As a result students typically end up with more credits than they need to graduate from BC. Sometimes students just want to do the minimum but at STMC students will be counseled to take course loads that will keep realistic post-secondary options open for them.

**2. Is the goal to graduate and go to college but you have no idea what you want to do?**

Graduation will get you entry into the **general** programs offered by local colleges. Once there students can pick up any courses you need to advance. You can make your life easier and increase your options by taking Principles of Math 11, a major science 11 and even a French 11 in high school, especially if you are going to college on a university transfer program.

UBC, SFU and UVIC are not the only post-secondary options available to students. Many local colleges offer university transfer programs. There are many advantages to this. Entry requirements are less stringent, classes are smaller and institutions are often closer and cheaper. Credits are fully transferable as well. In addition, an increasing number of BC Colleges offer full degree programs and several of the colleges have taken on a University designation. (ie Kwantlen Polytechnic University, Capilano University and University of the Fraser Valley.

**3. Is your goal to go to university right after high school but you have no idea what you want to do?**

Many students fall into this category. Once again the key is getting in. Once you are in, you can always alter your academic plans or upgrade your courses. The entry requirements for both SFU and UBC are included in this handout. As a basic rule, if you qualify for entry into Arts or Sciences at UBC, you can virtually be assured general entry into any university in the country. Students, with this goal in mind, must choose 4 government examinable courses, including English 12. They must also get an 80% or better average in those courses. (Please Note: Students should always check out the specific entry requirements for the program or post-secondary institution of their choice.)

**4. Is your goal to get into a specific program of study at the post-secondary level either at college, university or at a vocational institution like BCIT?** We have included information sheets which lay out the entry requirements for specific faculties at SFU and UBC. Unfortunately, it is impossible to include all the specific requirements for the myriad of educational opportunities that are out there. Students can come to Academic Counselling for guidance; however, students are also encouraged to access the **internet themselves**. All the information they need to know is at their fingertips.

Students should also keep the following considerations in mind when choosing courses.

**1. Be realistic!** As Academic Counsellors we can offer guidance and suggest options as far as course selection is concerned, but ultimately it is the student's responsibility to determine what their strengths and their passions are. One of the best indicators of academic strengths and weaknesses is the student's Report Card. A student getting 55% in Science 10 might want to reconsider a career in nursing or medicine. Similarly, a student getting 55% in English 10 might reconsider a career in Journalism. A good work ethic can overcome a lot of academic deficiencies, but students must remember that academic expectations increase dramatically as they progress through the grades and into university or college. It does not get any easier.

**2. Arts or Sciences!** Where do your passions lie? Students should not choose a heavy load of sciences just to keep options open. Check the SFU and UBC charts! You do not have to overload in sciences to get into the Arts or Sciences faculty for that matter. **Similarly, do not choose a heavy load in the sciences because you think that is where the jobs are. That is a myth that simply is not true.** There are just as many jobs available in the Arts. Choose courses based on your strengths and passions. If you can determine whether or not you favor Arts or Sciences, course selection becomes a lot easier.

## Requirements - What You Need to Graduate from BC and STMC

In order to graduate from the province of BC, every student in the Graduation Program has to pass certain basic courses in their grade 10, 11 and 12 years. **In addition, students must pass Religion 10, 11 and 12 to graduate from STMC.**

MINISTRY REQUIRED COURSES	Minimum Credits
Planning 10	4
English 10	4
English 11	4
English 12 or Communications 12	4
Math 10 (New Curriculum for September 2010. See Next page)	4
Math 11 (New Curriculum for September 2011. See Next page)	4
a Fine Arts and/or Applied Skills 10, 11 or 12	4
Social Studies 10	4
Social Studies 11	4
Science 10	4
a Science 11 or 12	4
Physical Education 10	4
Grad Transitions 12 (See Below)	
<b>Total Required Course Credits</b>	<b>52 credits</b>
REQUIRED STMC COURSES	
Religion 10	4
Religion 11	4
Religion 12	4
<b>Total STMC Required Course Credits</b>	<b>12 credits</b>
In addition students must take <b>at least 4</b> other elective courses. At least 2 of these must be at the grade 12 level.	<b>16 credits</b>
<b>OVERALL TOTAL:</b>	<b>80 credits</b>

### Additional Information

**Graduation Transitions:** There are 3 aspects!

**Personal Health** - maintain a personal health plan and participate in at least 150 minutes per week of moderate to vigorous physical activity in grade 11 and 12.

**Community Connections** - participate in at least 30 hours of work experience and/or community service and describe what was learned.

**Career and Life** - complete a transition plan and present significant accomplishments.

**EXAMS: Students are required to write a minimum of 5 Provincial Exams.**

**English 10 (20% Exam/ 80% Course Work)**

**Science 10 Science (20% Exam/ 80% Course Work)**

**Math 10 (Essentials, Regular, Enriched)(20% Exam/ 80% Course Work)**

**Grade 11 Social Studies (20% Exam/ 80% Course Work)**

**A Grade 12 Language Arts (English 12) exam (40% Exam/ 60% Course Work)**

**Note: Except for the English 12 Provincial exam, all other Grade 12 provincial exams are optional.**

SFU, UVIC and UBC will calculate admission averages based on school marks alone. If a student opts to still write the provincial, they will only use the blended mark if it helps the student. Unfortunately, this policy is not the standard across the country. Students must be proactive and seek out the policies of their institution of choice. Check [http://www.bcschoolcounsellor.com/prov\\_exams.htm](http://www.bcschoolcounsellor.com/prov_exams.htm) for info regarding exam policies. BC Government scholarships will be awarded based on exam results so students may still opt to write.

**External Learning Credits** Students can earn further credits for activities undertaken outside of STMC.

Students who are involved at a very high level in athletics or the arts can qualify. Students who have completed certain courses outside of school may also qualify for credits toward graduation. (See Academic Counselling)

## Grade 11 Course Selection Information

**BASIC REQUIREMENTS:** In order to meet the graduation requirements of STMC and the Ministry of Education all students must take the three courses listed below. (4 credits each/12 credits total)

**Religion 11 (Mandatory)      English 11 (Mandatory)      Socials 11 (Mandatory)**

**Note: Grade 11 students must write a provincial exam in Socials 11 worth 20% of their final mark. Students are required to continue working on their Grad Transitions which is worth 4 credits towards**

**MATH REQUIREMENTS:** Students must complete one of the 4 Math 11 course options for graduation. There are 4 options.

**1. Principles of Math 11 (Regular) - Prerequisite: Principles of Math 10 - a 67% standing or better is recommended.** This course is needed for virtually **all** post-secondary institutions even for entry into the Arts. (Please Note: You cannot get into SFU without a 60% or better in Principles of Math 11.) It is possible to advance to Math 12 after taking this course.

**2. Principles of Math 11 (Enriched) - Prerequisite: Principles of Math 10(Enriched) - a 75% standing or better is recommended.** Students can come from Principles of Math 10 (Regular) but they should have a B+ or better in that course. This course is very beneficial for students planning to take Math 12 and those planning to major in math and/or sciences at the post-secondary level.

**SCIENCE REQUIREMENTS:** Students must complete one of the Science 11 courses listed below for graduation and to meet the basic entry requirements for university. If a student is seriously contemplating a career in the sciences but has no idea what they want to specialize in, it is not a bad idea to take all three of the major science 11 courses (Chem, Physics and Biology). This course of action is only suggested for the students who excel in the sciences. (B+ or A in Science 10.) It is not necessary to take all three of the major Science 11 courses. While the most common combination is Chem 11 and Physics 11, it must be remembered that each science program at the post-secondary level has different requirements. In order to aid in their decision making, students should consult the UBC and SFU Course Requirement Charts included in this handout or visit Academic Counselling.

**SCIENCE OPTIONS** (All Courses listed below are 4 credits.)

**Option One: Biology 11 (4 Credits) Prerequisite: Science 10 - a 67% standing or better is recommended.** This is an introductory course in biology, a scientific discipline that studies plant, human and animal life. Highly recommended for students considering a post-secondary career in science or a science related field.

**Option Two: Chemistry 11 Prerequisite: Science 10 a 67% standing or better is recommended.** Highly recommended for students considering a post-secondary career in science or a science related field.

**Option Three: Earth Science 11 Prerequisite: Science 10** This course fulfills the basic science requirement for graduation. It is not intended for those who wish to pursue a career in the sciences at the post-secondary level. It is a good lead into Geography 12.

**Option Four: Physics 11 Prerequisite: Science 10 - a 67% standing or better is recommended. It is also recommended that students have a 67% in Math 10 Regular or Math 10 Enriched.**

Highly recommended for students considering a post-secondary career in science or a science related field.

**LANGUAGE REQUIREMENT:**

You **do not** need a language 11 to graduate from BC or to attend most programs in our local colleges. You do, however, have to have a Language 11 to meet the basic entry requirements for SFU, UBC, UVIC or Kwantlen Arts. In fact, to get an Arts degree from UBC, you must also have French 12 or its university equivalent. (This language requirement can be avoided by attending a college for two years and then transferring.)

**French 11 (Elective) (4 Credits) Prerequisite: French 10 - a 67% standing or better is recommended.** A prerequisite for university entrance in BC. (Note: Other languages may fulfill this requirement, see Academic Counselling for details)

## **APPLIED SKILL OR FINE ARTS REQUIREMENT:**

In order to graduate from BC, students **must have four credits** in an Applied Skill or Fine Arts course numbered 10, 11 or 12. Choose any one of the courses listed below to fulfill this requirement if the student has not already earned this credit in Grade 10.

Art 11 Prerequisite to Art 12.

Band 11 (On Schedule) Prerequisite to Band 12.

Jazz Band 11 (In the morning. Audition Required. Prerequisite to Band 12)

Carpentry & Joinery 11 Prerequisite for Woodwork 12.

Concert Choir 11 (On schedule) Prerequisite for Choir 12

Concert Choir 11 (In the morning) Prerequisite for Choir 12

Chamber Choir 11 (In the morning. Audition Required) Prerequisite for Choir 12

Jazz Choir 11 (After School/Audition Required)

Info Tech 11 Prerequisite for Info Tech 12.

Guitar Building 11

Recording and Sound 11 (Use the recording studio in the new wing.)

Theatre Performance 11 Prerequisite for Theatre Performance 12.

Sports Therapy 11

Yearbook 11 Prerequisite for Yearbook 12 by application

The following courses do not fulfill the Fine Arts/Applied Skills Requirement

**Physical Education 11 Prerequisite for PE 12** 4 Credits and fulfills the Physical Activity Requirement for the Grad Transitions Program

**Fitness 11 Prerequisite for Fitness 12** 4 Credits and fulfills the Physical Activity Requirement for the Grad Transitions Program

**Psychology 11 Prerequisite for AP Psychology 12** 4 credits AP Psychology is recognized by most schools. The school mark can be used to calculate admission averages (like a BC government exam). University credit can be earned if the student earns a high grade on the AP Exam.

## **A Look Ahead! Grade 12 Course Selection**

**MANDATORY REQUIREMENTS:** In order to graduate from STMC and BC all students must take the two courses listed below and complete their Graduation Transitions Program. (Each is worth 4 credits for a total of 12)

**Religion 12** This course is needed for graduation at STMC.

**English 12** (prerequisite English 11) It is the only mandatory government examinable course. The exam is worth 40% of the student's final grade.

**Gradation Transitions** (The completion of the Transitions Program is a mandatory requirement for graduation. By grade 12 students must complete **30 hours of work experience or community service**, meet the **provincial standard for physical activity** and complete a transition plan which explains their educational plans for high school and beyond.)

### **STUDENTS MUST SELECT A MINIMUM OF TWO OTHER COURSES NUMBERED 12**

**(In total grade 12's need a minimum of 7 on schedule courses.)**

**University bound Students need English 12 and at least 3 of the following 10 asterisked courses for calculating their entrance GPA.** Check [http://www.bcschoolcounsellor.com/prov\\_exams.htm](http://www.bcschoolcounsellor.com/prov_exams.htm) for updates on government exam policies of various post-secondary institutions.

**1. \*Biology 12 Prerequisite: Biology 11 - a 67% or higher standing is recommended (4 Credits)**

Students who have a high mark in Chem 11 can bypass Bio 11 with department head permission. The main focus of this course is human biology.

**2. \*Chemistry 12 Prerequisite: Chemistry 11 - a 67% or higher standing is recommended**

This course is intended for students who wish to pursue a science career in a post-secondary institution.

**3.\*English Literature 12 Prerequisite: English 11 - a 67% standing or better is recommended.** English Lit 12 is a challenging course designed to introduce students to the greatest literary works in the English language.

## **Courses Used by Universities to Calculate Admission Averages (cont.)**

**4. \*French 12** *Prerequisite: French 11 - a 67% standing or better is recommended.*

Students explore French literature, poetry and contemporary sources. Students who go into the Arts Faculty at UBC must have this course or take its equivalent in order to graduate from the Arts Program.

**5. \*Geography 12** *Prerequisite: Socials 11 - a 67% standing or better is recommended.*

Geography is the study of our global environment. Arts students might benefit from this course.

**6. \*History 12** *Prerequisite: Socials 11 - a 67% standing or better is recommended.*

History 12 covers world history from the Russian Revolution to current Third World issues. Arts students might benefit from taking this course.

**7. \*Physics 12** *Prerequisite: Physics 11 - a 67% standing or better is recommended*

Physics 12 is a key course for those anticipating going into Sciences at the post-secondary level.

**8. \*Principles of Mathematics 12** *Prerequisite: Principles of Mathematics 11- a 67% standing or better is strongly recommended.* This course is designed for students who have career aspirations in the fields of engineering, mathematics, the sciences, economics and some business programs.

**9. \*Psychology 12 Advanced Placement (AP)** *Prerequisite: Psych 11* The AP Psychology 12 course, at most institutions, works like a government exam course. It can be used when calculating post-secondary admission GPA's. If a student opts to write the final AP exam and scores well, they can earn university credits.

**10. \*Human Geography Advanced Placement (AP)** *Prerequisite: 75% or better in Socials 11 or permission from the instructor* The AP Human Geography course, at most institutions, works like a government exam course. It can be used when calculating post-secondary admission GPA's. If a student opts to write the final AP exam and scores well, they can earn university credits. Human Geography AP looks at how man interacts with nature and the physical environment.

### **Students must have completed one Fine Arts/Applied Skills numbered 10, 11 or 12.**

The following grade 12 courses can be used.

**Art 12** *Prerequisite: Art 11 (4 Credits).*

**Band 12 (On schedule) Full Year Course** *Prerequisite: Band 11 (4 Credits)*

**Jazz Band 12 (In the morning)** *Prerequisite: Audition*

**Carpentry & Joinery 12 (AKA Woodwork 12)** *Prerequisite: Construction or Carpentry & Joinery 11*

**Concert Choir 12 (On Schedule)** *Prerequisite: Concert Choir 11*

**Concert Choir 12 (In the morning)** *Prerequisite: Concert Choir 11*

**Chamber Choir 12 (In the morning)** *Prerequisite: Audition*

**Jazz Choir 12 (In the afternoon)** *Prerequisite: Audition*

**Info Tech 12** *Prerequisite: Information Technology 11*

This course expands the students' understanding of computers and computing in the areas of communications, multimedia, networking and programming. (Accepted by some universities in Eastern Canada.)

**Media Arts 12 Limited enrollment - admission by application (Can be taken by grade 11's with permission.)** Focusing on video production and editing. (Accepted some universities in Eastern Canada.)

**Recording and Sound 12** *Prerequisite: Permission of the instructor*

**Theater Performance 12** *Prerequisite: Theater Performance 11*

**Yearbook 12** *Prerequisite: Application and permission of the instructor*

### **Additional Electives (Count for graduation not as Applied Skills/Fine Arts)**

**Calculus 12** *Prerequisite: Principles of Mathematics 11 - a 67% standing or better is strongly recommended. (4 Credits)* Calculus is a recommended prerequisite for studies in science, engineering or business. Students can take Principles of Mathematics 12 concurrently. No government exam.

**Civilizations 12 (Can be taken by grade 11's with permission.)** *Prerequisite: Socials 11-a 67% standing or better is recommended.* The focus of this course is the history of the world through art and architecture. A good course for those students anticipating going into the Arts. Accepted at UVIC and schools in the East.

**Economics 12 (Can be taken by grade 11's with permission.)**

This course studies the economics of the modern world (stock markets, advertising, marketing, national and international business). (Accepted by some universities in Eastern Canada.)

### **Additional Electives (Count for graduation not as Applied Skills/Fine Arts)**

**Fitness 12** *Prerequisite: Fitness 11* Meets the physical exercise requirements for Grad Transitions 12

**Law 12 (Can be taken by grade 11's with permission.)**

This is a survey course intended to introduce students to the fundamentals of Canadian law procedure, civil law and family law. (Accepted by some universities in Eastern Canada.)

**Leadership 12** **Students will have to apply to the instructor in order to get into this course.** Class numbers will be limited. Students will be involved in leadership positions in the school and they will be given course work designed to enhance their leadership skills.

**Physical Education 12** *Prerequisite: Physical Education 11 - a 67% standing or better is recommended*

This course counts as one of the four courses numbered 12 required for graduation. Can be used to meet the physical exercise requirements for Grad Transitions.

**Writing 12 (Can be taken by grade 11's with permission.)** *Prerequisite: English 11.*

Writing 12 is a course intended to encourage students to experiment with the written word and produce effective original works. (Accepted by some universities in Eastern Canada.)

### **Contact Information for Local Post-Secondary Schools**

**Academic Counsellors know everything!**

-NO! It is impossible to know it all. We can help students; however, students must do their own research. Below is a list of institutions plus contact info.

<b>BCIT</b> <a href="http://www.bcit.ca/futurestudents/">www.bcit.ca/futurestudents/</a> Linda Becerra Tel: 604 432-8244 <a href="mailto:Linda_Becerra@bcit.ca">Linda_Becerra@bcit.ca</a>
<b>Capilano University</b> <a href="http://www.capilanou.ca">www.capilanou.ca</a> Tel: Erica Shimizu 604.990.7933 <a href="mailto:eshimizu@capilanou.ca">eshimizu@capilanou.ca</a>
<b>CORPUS CHRISTI</b> <a href="http://www.corpuschristi.ca">www.corpuschristi.ca</a> Monica Munaretto Tel: 604-822-6862 x 106 <a href="mailto:mmunaret@corpuschristi.ca">mmunaret@corpuschristi.ca</a>
<b>Douglas College</b> <a href="http://www.douglas.bc.ca">www.douglas.bc.ca</a> Eric Glanville p: 604.527.5814 <a href="mailto:glanvillee@douglas.bc.ca">glanvillee@douglas.bc.ca</a>
<b>Kwantlen Polytechnic University</b> <a href="http://www.kwantlen.ca">www.kwantlen.ca</a> Patricia Seto Tel: 604-599-2028 <a href="mailto:patricia.seto@kwantlen.ca">patricia.seto@kwantlen.ca</a>
<b>SFU</b> <a href="http://www.sfu.ca/">http://www.sfu.ca/</a> Tel: 778-782-6930 Ken Wong Tel: 778-782-3050 <a href="mailto:Ken_Wong@sfu.ca">Ken_Wong@sfu.ca</a> Nancy Stothers Tel: 778-782-3736 <a href="mailto:Nancy_Stothers@sfu.ca">Nancy_Stothers@sfu.ca</a>
<b>UBC-V</b> <a href="http://you.ubc.ca/vancouver/">http://you.ubc.ca/vancouver/</a> Tel: 604-822-9836 Sherisse Sy Tel: 604-822-6505 <a href="mailto:Sherisse.sy@ubc.ca">Sherisse.sy@ubc.ca</a> or Ella Wong <a href="mailto:ella.wong@ubc.ca">ella.wong@ubc.ca</a>
<b>UCFV</b> <a href="http://www.ucfv.ca/home.htm">www.ucfv.ca/home.htm</a> Tel: 604-854-4501 Devon Wilson Tel : 604-557-4088 <a href="mailto:devon.wilson@ucfv.ca">devon.wilson@ucfv.ca</a>
<b>UNBC</b> <a href="http://www.unbc.ca/">http://www.unbc.ca/</a> Tel: 250-960-6306 Advising at <a href="mailto:unbc4u@unbc.ca">unbc4u@unbc.ca</a>
<b>UVIC</b> <a href="http://www.uvic.ca/">http://www.uvic.ca/</a> Tel: 250-721-8121 <a href="mailto:mmar@uvic.ca">mmar@uvic.ca</a> or Leah Stone <a href="mailto:stoneld@uvic.ca">stoneld@uvic.ca</a>

**Searching for Scholarship Info is hard work!**

-Check out these websites and **start building your resume!** Your academic counselors can help too!

<b>BC Awards On-Line</b> <a href="http://www.bcawardsonline.org/">http://www.bcawardsonline.org/</a>
<b>Student Awards</b> <a href="http://www.studentawards.com/">http://www.studentawards.com/</a>
<b>Scholarships Canada</b> <a href="http://www.scholarshipscanada.ca/">http://www.scholarshipscanada.ca/</a>

**UBC's and SFU's Program Specific Entrance Requirements can be found on the following pages!**

## SFU's ADMISSION REQUIREMENTS FOR 2010

### General Requirements:

- English 11 • Language 11 (Beginner's Language 11) • Science 11 ( Biology 11, Chemistry 11, Earth Science 11, Physics 11)
- Principles of Math 11 with a minimum grade of 60% (This will change to Foundations of Math 12 or Pre-Calc 11)
- English 12 with a minimum final blended grade of 60%

The Admission Averages for all Faculties for BC universities will be calculated on English 12 and 3 other Provincially Approved courses. Each faculty has specific course requirements. The list of Provincially Approved Courses offered by STMC is as follows: English Literature 12; French 12, History 12, Principles of Math 12 **Sciences:** Biology 12, Chemistry 12, Geography 12, Physics 12 and (AP Psychology and AP Human Geography). The entry GPA can vary from year to year. Arts is 80% or better. Using the category called **Diverse Qualifications**, SFU does offer limited space to those students who fall below the accepted admission standard. These spaces are very limited and students must consult SFU for clarification.

### Specific Faculty Requirements

#### Applied Sciences

**Requirements for Computing Science, Geographic Information Science, General Studies:** English 12, Principles of Math 12, one of Biology 12/Chemistry 12/Physics 12, and one additional approved course

**Requirements for Engineering Science:** English 12, Principles of Math 12, Chemistry 12, and Physics 12

#### Arts and Social Sciences

**Requirements for Anthropology, Archaeology, Asia-Canada, Canadian, Cognitive Science, Criminology, Economics, English, Explorations, First Nations, French, Gerontology, Hellenic, History, Humanities, International, Labour, Latin American, Linguistics, Philosophy, Political Science, Psychology, Sociology, Statistics (BA), Women's Studies, World Literature**

**All programs:** English 12 and three additional approved courses

#### Business Administration

**Requirements for Accounting, Entrepreneurship, Finance, Human Resource Management, International Business, Management Information Systems, Management Science, Management and Technology, Marketing:** English 12 and three additional approved courses (Potential students must also complete a Supplemental Broad Based Admission Application.

See <http://business.sfu.ca/bba/apply/cat1.php>

#### Communication, Art and Technology

**Communication:** English 12 plus 3 other Provincially Approved Courses

**Contemporary Arts:** English 12 and three additional approved courses. May require portfolio/audition; see [www.sfu.ca/sca](http://www.sfu.ca/sca).

**Interactive Arts and Technology:** English 12, Principles of Math 12, and two additional, approved courses

**Tech One:** English 12 and three additional approved courses

#### Education

**Bachelor of General Studies (education):** English 12 and three additional approved courses

**Environment** You can earn a Bachelor of Arts or a Bachelor of Sciences.

**Encompasses Environmental Science, Geography, Resource and Environmental Management & Sustainable Development**

**Bachelor of Arts:** English 12 and 3 additional approved courses

**Bachelor of Science:** Your admission average is calculated on four grade 12 courses specified below. Your grade 11 courses are not used to calculate your admission average, but you must have taken and passed these courses.

**Program-specific Requirements:** Chemistry 11, Physics 11, English 12, Principles of Math 12, and two science 12 courses

**Approved grade 12 science courses:** Biology 12, Chemistry 12, Geography 12, Physics 12

**Health Sciences** You can earn a Bachelor of Arts or a Bachelor of Sciences in this faculty.

**Bachelor of Arts:** English 12 and 3 additional approved courses

**Bachelor of Science:** Your admission average is calculated on four grade 12 courses specified below. Your grade 11 courses are not used to calculate your admission average, but you must have taken and passed these courses.

**Program-specific Requirements:** Chemistry 11, Physics 11, English 12, Principles of Math 12, and two science 12 courses

**Approved grade 12 science courses:** Biology 12, Chemistry 12, Geography 12, Physics 12

#### Science

**Requirement for Behavioral Neuroscience, Biological Sciences, Biomedical Physiology and Kinesiology, Chemistry, Earth Sciences, General Science, Management and Systems Science, Mathematics, Molecular Biology and Biochemistry, Physics, Statistics and Actuarial Science**

**All programs:** Chemistry 11, Physics 11, English 12, Principles of Math 12, and two science 12 courses

**Approved grade 12 science courses:** Biology 12, Chemistry 12, Geography 12, Physics 12

### **Quantitative (Math) Requirements**

If you score **less than 60%** in Principles of Math 11, you cannot get into SFU. If a student entering the Arts faculty, scores between 60% to 69% in Principles of Math 11, the student will face some limitations when choosing courses in the Arts faculty. If an Arts student scores 70% or higher in Principles of Math 11, the student has met SFU's basic Math skills entry requirements for Arts. If a student in the Faculty of Sciences scores between 60% to 69% on Principles of Math 12, the student will face limitations when choosing courses in the Sciences faculty. If a Science student scores 70% or higher in Principles of Math 12, the student has met SFU's basic Math skills entry requirements for the Science Faculty.

### **Qualitative (English) Requirements**

If you score **less than 60%** in English 12, you cannot get into SFU. Students who score more than 60% but less than 75% in **English 12** will have to write a **Language Proficiency Index Test** or take a non-credit English Skills course at SFU. If you score above **75%** in English 12 or get an interim score of 80%, you have met SFU's English requirement.

SFU also requires a **Beginner's Language 11** for all its faculties. **French 11 fulfills that requirement.** This requirement can be bypassed by transferring from a college after two years of study.

## UBC'S ADMISSION REQUIREMENTS

UBC requires that students from BC and Yukon high schools have graduated with the following Grade 12 and Grade 11 courses:

### Required GRADE 12 courses (Used to calculate admission average)

**English 12** Three additional approved government examinable Grade 12 courses

#### Approved Courses Offered by STMC

Biology 12	Geography 12	Chemistry 12	History 12
English 12	Principles of Math 12	English Lit 12	Physics 12
French 12	AP Psychology		

See a complete list of government examinable courses accepted by UBC, see their website  
[www.students.ubc.ca/welcome/admission.cfm](http://www.students.ubc.ca/welcome/admission.cfm)

### Required GRADE 11 Courses (not included in calculating Admission Average)

English 11

Principles of Mathematics 11 Will change to Pre-Calculus 11 or Foundations 12 in 2012

Social Studies 11

At least one approved Science 11\*

An Approved Language 11\*\*

\* Approved Science 11 courses are Chemistry 11, Physics 11, Biology 11 and Earth Science 11.

**IMPORTANT:** To get into virtually any science related faculty students must have **2** approved Science 11 courses.

\*\* A beginner's language 11 does not satisfy this requirement. Students who entered the BC secondary system after Grade 9 are eligible for a second-language waiver. A written statement from the school principal or counsellor indicating the student's date and grade of entry into the BC school system, and UBC reference number, may be required for verification purposes. For clarification see Academic Counselling.

## UBC'S ADMISSION AVERAGES FOR ACCEPTANCE

The admission average will be calculated on English 12 and the three additional approved provincially examinable Grade 12 courses or the equivalent. The courses used in the calculation will include those examinable Grade 12 courses listed in the chart for the desired program. The required courses with the highest marks will be used. BC secondary school graduates who apply to begin studying at UBC in 2009 are no longer required to complete BC Ministry of Education provincial examinations (other than those required for high school graduation) for the purpose of admission to the University. In cases where a BC student chooses to complete optional exams, his or her exam scores will only be incorporated into the admission average if the score helps to increase the student's average. The Admission Average needed varies from year to year and differs from faculty to faculty. Most programs require an **86% or better** average. (91-92% for science) Under the category called **Diverse Qualifications**, UBC does offer limited space to those students who fall below the accepted admission standard. These spaces are very limited and students must consult UBC for clarification.

**For a list of faculty specific admission averages see**  
<http://students.ubc.ca/welcome/counsellors/admission.cfm>

## OTHER REQUIREMENTS

All UBC Vancouver students taking an undergraduate degree program are required to complete first-year English courses. In order to register in a first-year English course, or in a first-year program such as Arts One, Science One, or the Foundations Program, students must complete the Language Proficiency Index (LPI) test or be exempted from it. Students with a interim grade of **80%** or higher in English 12 or English Lit **do not** have to write a Language Proficiency Index. Starting in 2011, you can not get into UBC unless you have scored a **70%** in English 11 or 12.

## UBC FACULTY SPECIFIC ADMISSION REQUIREMENTS for 2010

Students are not required to write Government Exams, other than English 12. If you elect to write an optional BC Provincial Exam, the admission decision will incorporate the results only if they increase your admission average.

Programs	Average calculated on the following approved Grade 12 courses or IB/AP equivalents	Additional courses required but not used in the calculation of the average
Applied Biology	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• One of Biology 12, Chemistry 12, Geology 12 or Physics 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Two of Biology 11, Chemistry 11 or Physics 11</li> <li>• An approved Social Studies course</li> </ul>
Arts <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Three other approved Grade 12 courses</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Science 11 course</li> <li>• An approved Social Studies course</li> <li>• (Students intending to major in Economics or Speech Science must complete Principles of Mathematics 12)</li> </ul>
Commerce <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• Two other approved Grade 12 courses</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Science 11 course</li> <li>• An approved Social Studies course</li> </ul>
Dental Hygiene <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Biology 12</li> <li>• Chemistry 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Biology 11</li> <li>• Chemistry 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Social Studies course</li> </ul>
Engineering <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Chemistry 12</li> <li>• Principles of Mathematics 12</li> <li>• Physics 12</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Chemistry 11 + Physics 11</li> <li>• An approved Social Studies courses</li> </ul>
Food, Nutrition & Health	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• One of Biology 12, Chemistry 12, Geology 12 or Physics 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Two of Biology 11, Chemistry 11, or Physics 11</li> <li>• An approved Social Studies course</li> </ul>
Forest Resources Management (BSF); Forest Operations (BSF); or Forest Sciences (BSFS)	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• One of Biology 12, Chemistry 12, or Physics 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Two of Biology 11, Chemistry 11, or Physics 11</li> <li>• An approved Social Studies course</li> </ul>
Human Kinetics	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• One of Principles of Mathematics 12, Biology 12, Geology 12, Chemistry 12 or Physics 12</li> <li>• Two other approved Grade 12 courses</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Science 11 course</li> <li>• An approved Social Studies course</li> </ul>
Midwifery <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Biology 12</li> <li>• Two other approved Grade 12 courses</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Chemistry 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Social Studies course</li> </ul>
Music <sup>1, 2</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Three other approved Grade 12 courses</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• An approved Science 11 course</li> <li>• An approved Social Studies course</li> </ul>
Natural Resources Conservation	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• One of Biology 12, Chemistry 12, or Physics 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Two of Biology 11, Chemistry 11, or Physics 11</li> <li>• An approved Social Studies course</li> </ul>
Science <sup>1</sup>	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12 (min 67%)</li> <li>• Two other approved Grade 12 courses including at least one of Biology 12, Chemistry 12, Geology 12 or Physics 12</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Physics 11 + Chemistry 11</li> <li>• An approved Social Studies course</li> </ul>
Wood Products Processing	<ul style="list-style-type: none"> <li>• English 12 or English 12 First Peoples</li> <li>• Principles of Mathematics 12</li> <li>• One of Physics 12, Chemistry 12 or Biology 12</li> <li>• One other approved Grade 12 course</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 + a language 11</li> <li>• Principles of Mathematics 11</li> <li>• Physics 11 + Chemistry 11</li> <li>• An approved Social Studies course</li> </ul>

<sup>1</sup> Supplementary information concerning extra-curricular activities and achievements is required or optional. See Broad-based Admissions for details.

## Other things to consider and common questions!

### The Facts about French 11:

- You do not need French 11 to graduate.
- You need French 11 to enter local universities directly from high school; however, your mark is not used to calculate admission averages. You only need credit in the course!
- You can by-pass the French 11 university requirement by attending college first for 2 years.
- To graduate from UBC Arts you need French 12 or its university equivalent. This requirement is unique to UBC for BC universities.

### Do I have to take Bio 11 to take Bio 12?

-No! At STMC Bio 11 does cover some of the topics covered in Bio 12, so a student without Bio 11 will have to “catch up” for the first few weeks. Students, who have scored very well in Chem 11, can bypass Bio 11. A student should see his/her teacher for advice and approval.

### Do students have to take all the Science 12's to get into science?

-No! Serious science students should try and get all 3 science 11's done. Physics 11 and Chem 11 are typically required for most science programs. Bio 11 can be bypassed (See above) UBC and SFU do not require all science 12's. That being said if a student loves science, they can take all 3 if they want.

### Do students need Calculus 12?

-Several science/university programs back East require Calculus 12. As academic counselors we would highly recommend Calculus for students entering sciences in BC. Calculus at the university level is considered a “gateway” course because it leads to a lot of failures. Calculus is also highly recommended for business students but not as highly as for science students. It can't really hurt you to take it now!

### What are the Admission Averages for SFU, UVIC and UBC?

Admission averages have always fluctuates from year to year, but recently they have been going up especially at UBC. What does this mean for our students?

In addition to earning the best marks possible, students should realize that these schools are moving more and more toward using **Broad Based Admission Applications**. This means that in addition to the considering the student's GPA, they will also look at a student's supplementary information like a list of their activities and achievements. Students should recognize the value of being involved and taking on leadership opportunities. In addition students should have back up post-secondary options.

#### OPTION A

Many local post-secondary institutions have recently been given university status like Capilano University, Kwantlen Polytechnic University and University of the Fraser Valley. For many of our students these are legitimate options. Admission averages are lower, class sizes are smaller and they are closer and cheaper. A student can earn a growing number of undergraduate degrees from those institutions.

#### OPTION B

Our local colleges and technical schools are also an option. (Langara, Douglas College, BCIT, VCC or the Art Institute) Many of these schools offer university transfer programs, diploma programs and a limited number of Bachelor degree options. Again these schools have lower admission averages, smaller class sizes and they are closer and cheaper.

### Anticipated Admission Averages for UBC Vancouver September 2010

Program	Canadian high school (percentage)
Applied Biology	mid to high 80s
Applied Science (Engineering)	low to mid 80s [2]
Arts	mid to high 80s
Commerce	mid 80s [1]
Forest Sciences, Forestry, Natural Resources Conservation and Wood Products Processing	mid to high 70s
Food, Nutrition and Health	mid 80s
Human Kinetics	mid 80s to low 90s [2]
Science	mid 80s to low 90s [2]

[1] Plus a mandatory supplemental application that includes activities, references and a personal essay.

[2] Plus and optional broad based application that included references and a list of activities.