

**SENTINEL SECONDARY SCHOOL
COURSE PLANNING – 2012/2013**

1. Graduation Requirements

To graduate, students must earn a minimum of 80 credits in Grades 10 – 12. This is equivalent to 20 four-credit courses. Of the minimum 80 credits, 48 credits are from Required Courses, 28 credits are from Elective Courses, and 4 credits are from Graduation Transitions.

Required Courses	
Subject Area	Minimum Credits
Language Arts 10 (English 10)	4
a Language Arts 11 (English 11 or Communications 11)	4
a Language Arts 12 (English 12 or Communications 12)	4
Social Studies 10 or Sciences humaines 10	4
Social Studies 11 or Sciences humaines 11	4
Science 10 or Sciences 10	4
a Science 11 or 12*	4
a Mathematics 10	4
a Mathematics 11 or 12*	4
Physical Education 10	4
Planning 10	4
a Fine Arts and/or Applied Skills 10, 11 or 12*	4
	Total: 48 credits
Elective Courses	
Subject Area	Minimum Credits
Grade 12 level courses**	12
Additional Grade 10, 11 or 12 courses**	16
	Total: 28 credits
Graduation Transitions	
Graduation Transitions	Total: 4
	Overall Total: 80 credits

* denotes one from a number of course options

** an unlimited number of credits from either ministry or board/authority authorized or post-secondary courses may count toward graduation.

Graduation Program Examinations

To earn credit in specific courses, students must take five course-based provincial examinations:

- English 10
 - Science 10 or Sciences 10
 - Mathematics 10
 - Social Studies 11 or Sciences humaines 11
 - A Language Arts 12 examination attached to the required course taken by the student (Communications 12 or English 12).
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- The Grade 10 and 11 Graduation Program Examinations count for 20% of the final course mark.
 - The Grade 12 examinations count for 40% of the final mark.
 - With the exception of the Language Arts 12 examination, (and Français langue 12 for students working to obtain their bilingual diploma), all other Grade 12 examinations are optional.
 - When a student elects not to write the optional examination, 100% of the student's final mark will come from classroom evaluation by the classroom teacher.
 - Writing Grade 12 examinations does provide students with opportunities to obtain provincial scholarships.

Graduation Transitions

Graduation Transitions is a required component of every student's graduation in British Columbia. This four-credit course is completed by students in Grades 10 through 12 and includes three main elements.

Personal Health
Community Connections
Career and Life

Students collect evidence to demonstrate their knowledge and competence in each of these three areas in a variety of ways. They may use school or community experiences to collect evidence, or use projects they have completed in class.

Graduation Transitions is first introduced in the Planning 10 course. In Grades 11 and 12, students work with an advisor as they fulfill the required elements and gather the necessary evidence to complete this graduation requirement. Graduation Transitions culminates in a final Grade 12 exit interview or presentation of the work they completed.

Graduation Transitions

1. Personal Health

It is expected that students will demonstrate the knowledge, attitudes, and positive habits needed to be healthy individuals, responsible for their own physical and emotional well-being by:

- engaging, from Grade 10 to Grade 12, in at least 150 minutes per week of moderate to vigorous physical activity.
- developing a long-term personal healthy living plan appropriate to their lifestyle that describes
 - sound nutritional habits
 - regular exercise routines
 - emotional health management (e.g., ways to manage stress)
 - positive health choices

2. Community Connections

It is expected that students will demonstrate the skills required to work effectively and safely with others and to succeed as individual and collaborative workers by

- participating in at least 30 hours of work experience and/or community service, and
- describing the duties performed, the connections between the experience and their employability/life skills, and the benefits to the community and to the student.

3. Career and Life

It is expected that students will demonstrate the confidence and competency needed to be self-directed individuals, by

- developing a comprehensive plan that indicates they are prepared to successfully transition from secondary school, which includes
 - completion of transition activities that are relevant to and support their career, life, and learning goals
 - identification and communication of achievements that reflect the development of the attributes of a BC graduate
 - identification and communication of costs and funding sources associated with education, career, and life options after graduation
- presenting selected components of their transition plan to members of the school and/or community

2. Post-Secondary Requirements

Simon Fraser University, the University of British Columbia, and the University of Victoria have the following general entrance requirements:

- Senior Secondary School Graduation
- English 11
- English 12
- Principles of Mathematics 11
- Language 11*
- One Science 11 (BI 11, CH 11, ESC 11, PH 11)
- Three courses numbered 12 from a specific list of courses.

The University of Northern British Columbia requires English 12 and three courses numbered 12 from the list below, as well as one other Grade 12 course. Capilano University requires English 12 and three courses from the list below for admission to their University Transfer Program.

UNBC, UVic**, and Capilano University	UBC and SFU
Biology 12	Biology 12
Chemistry 12	Chemistry 12
English Literature 12	English Literature 12
Français langue 12	Français langue 12
French 12	French 12
Geography 12	Geography 12
Geology 12	Geology 12
German 12	German 12
History 12	History 12
Japanese 12	Japanese 12
Mandarin 12	Mandarin 12
Principles of Mathematics 12	Principles of Mathematics 12
Physics 12	Physics 12
Spanish 12	Spanish 12
Calculus 12	
Comparative Civilizations 12	
ICTS: Computer Information Systems 12 (Cap U & UNBC)	Or equivalent Advanced Placement Courses
Law 12 (Cap U & UNBC)	
Writing 12 (Cap U & UNBC)	

*Language Requirements

At SFU a Beginners' Language 11 may be used.

At UVic, a Language 11 is not an admission requirement for the Faculty of Science, the Faculty of Engineering (including the Computer Science degree program), or the Faculty of Social Sciences.

** At UVic only one approved non-provincially examinable course (e.g. Calculus 12) may be used for admission.

SFU's English Language and Literacy Requirement

Applicants to undergraduate programs must demonstrate English language competence and literacy in one of the following ways:

- Obtain a grade of 75% or higher in English 12 or English Literature 12.
- Obtain a grade of 60 to 74% in English 12 or English Literature 12 and satisfy additional literacy requirements within their first three terms enrolled at SFU.
 - students must either complete SFU's Foundations of Academic Literacy Course (FAL X99-4) with at least a C grade, or pass the Language Proficiency Index exam (LPI) with a score of 4 or better on the essay section and at least 50% on all other parts.

SFU's Quantitative Skills Requirement

SFU degree programs require specific mathematics courses for admission. Applicants must demonstrate competence in quantitative and analytical skills in one of the following ways.

- Obtain a grade of 70% or higher in the high school mathematics course required by their program.
- Obtain a grade between 60 and 69% in the high school mathematics course required by their program and satisfy additional quantitative requirements within their first three terms enrolled at SFU.
 - Within the first three terms at SFU, students must either score at least 20/30 in SFU's Q Placement Test, or achieve at least a C grade in the Foundations of Analytical and Quantitative Reasoning course (FAN X99-4).

UBC and SFU Policy on Advanced Placement Courses

BC Ministry-Authorized Courses	Alternate Advanced Placement Courses
Biology 12	AP Biology 12
Chemistry 12	AP Chemistry 12
English 12	AP English Language and Composition 12
English Literature 12	AP English Literature and Composition 12
French 12 or Français langue 12	AP French Language 12
Japanese 12	AP Japanese Language and Culture 12
Mandarin 12	AP Chinese Language and Culture 12
Spanish 12	AP Spanish 12

Admission for SFU and UBC will be based on the higher of either the AP score or the approved BC Grade 12 course grade of an equivalent provincially examinable course. Other AP courses not listed can be used as electives.

One of AP Calculus AB or BC, or the UBC-SFU-UVic-UNBC Calculus Examination Certificate may be used as an elective course in addition to Principles of Mathematics 12. For more information visit www.math.ubc.ca/Ugrad/challenge.htm.

3. The Advanced Placement Program at Sentinel Secondary

The College Board has authorized that the following Advanced Placement courses may be taught at Sentinel.

Biology	French Language
Calculus AB	Japanese Language & Culture
Calculus BC	Psychology
Chemistry	Studio Art: 2D
Chinese Language & Culture	Studio Art: 3D
English Language and Composition	Studio Art: Drawing
English Literature and Composition	

Students must write the College Board's Advanced Placement external examinations in order to receive credit for the courses.

4. Advanced Placement Conversion Guide for UBC and SFU

The grade conversion scale that will be used to determine admission based on official AP results is as follows:

AP Grade	% Equivalent
5	96
4	86
3	80
2	70

5. The Provincial Scholarship Program

All students who earn 86% or higher on three provincial examinations (excluding Communications 12) will receive a Grade 12 provincial scholarship of \$1,000 provided they have met the additional criteria: e.g. satisfied graduation requirements, are Canadian citizens or permanent residents, and have achieved a B or higher in English 12.

Students are also able to use specific AP examination scores to count towards earning a provincial Grade 12 scholarship. For scholarship purposes, AP examination scores of 4 will be considered as 86% and 5 as 96%. AP scores of 4 or 5 may be submitted to the Ministry and will be counted as one, two or all three of the required examination scores needed to earn a scholarship.

Students will not be able to “double dip”; that is they may not use a score of 86% on the provincial Grade 12 Biology 12 examination and a 5 on the AP Biology examination to count as two separate examination scores.

6. First-year Credit for Advanced Placement Courses

Credit for equivalent first-year university courses will be awarded at most universities if the student achieves a grade of 4 or better on his or her approved AP examination. If the student is eligible for credit/exemption for a first-year course, he or she has the choice of refusing the credit or exemption and taking the course anyway.

7. Provincial Examinations Required for Admission

Post-Secondary Institution	Required	Not Required
British Columbia Institute of Technology		✓
Capilano University		✓
Langara College		✓
Simon Fraser University		✓
University of British Columbia		✓
University of Northern British Columbia		✓
University of Victoria		✓
Carleton University		✓
McGill University		✓
McMaster University		✓
Queen's University		✓
Saint Mary's University		✓
University of Alberta		✓
University of Calgary		✓
University of Regina		✓
University of Saskatchewan		✓
University of Western Ontario		✓

Please note: This list is by no means complete. Students interested in a particular university should check its web site to determine whether provincial examinations are required for admission purposes.

8. Specific Program Requirements

The requirements listed on the previous pages are general admission requirements for the Faculty of Arts. Each institution has specific program entrance requirements which can be found on the institutions' web sites. Following are some examples for UBC and SFU.

Program	Average Calculated on the following required courses or AP equivalents	Additional courses required but not used in average
Arts	English 12 3 provincially examinable courses	English 11 Language 11* Principles of Mathematics 11 Science 11 Social Studies 11
Commerce	English 12 Principles of Mathematics 12 Two other provincially examinable Grade 12 courses	English 11 Language 11 Principles of Mathematics 11 Science 11 Social Studies 11
Engineering	English 12 Principles of Mathematics 12 Chemistry 12 Physics 12	English 11 Language 11 Principles of Mathematics 11 <i>Chemistry 11</i> <i>Physics 11</i> Social Studies 11
Nursing (UBC – Okanagan)	English 12 Biology 12 Two other provincially examinable Grade 12 courses	English 11 Language 11 Principles of Mathematics 11 <i>Biology 11</i> <i>Chemistry 11</i> Social Studies 11
Science - UBC	English 12 Principles of Math 12 (67%) One of Biology 12, Chemistry 12, Geology 12, or Physics 12 One other approved Grade 12 provincially examinable course	English 11 Language 11 Principles of Mathematics 11 <i>Chemistry 11</i> <i>Physics 11</i> Social Studies 11
Science - SFU	English 12 Principles of Math 12 (70%) Two of Biology 12, Chemistry 12, Geography 12, Geology 12, Physics 12.	English 11 Language 11 Principles of Mathematics 11 <i>Chemistry 11</i> <i>Physics 11</i> Social Studies 11

9. Admission Cut-offs 2009

Program	SFU	UBC	UVic	McGill	Queens	Waterloo
Arts/Humanities	80%	M-80s	70%	87%	80%+	M-H 70s
Business Administration	90%		80%			L-M 80s
Computer Science	80%	M-80s	70%		80% +	M-80s
Commerce		M-80s*		91%	87%+	
Engineering	80%	L-M 80s	75%	83-88%	80%+	M-80s
Fine Arts			70%		80%+	
Human Kinetics	80%	H-80s		83%	84%+	L-80s
Music		67% Min			80%+	
Nursing		Okan. L-80s		83%	80%+	
Science	80%	M-80s*	70%	85-90%	84%+	H-70s
Tech One	85%					

10. Important Web Sites

Advanced Placement-AP Central www.collegeboard.com/apcentral

Association of Universities and Colleges of Canada represents 93 Canadian public and private not-for-profit universities and university-degree level colleges www.aucc.ca

Awards Canada www.studentawards.com

BC Financial Aid www.aved.gov.bc.ca/studentervices

BC Ministry of Education career planning www.bced.gov.bc.ca/careers

BC Ministry of Education graduation program www.bced.gov.bc.ca/graduation

BC Ministry of Education provincial examinations (www.bced.gov.bc.ca/exams)

British Columbia Council on Admissions & Transfer www.bccat.bc.ca

British Columbia Institute of Technology www.bcit.ca

CanLearn a Government of Canada one-stop online resource for information and interactive tools to help students decide what and where to study, and how to cover the costs www.canlearn.ca

Capilano University www.capilanou.ca

Career, learning and labour market information www.workinfontet.ca

Education Planning – Ministry of Advanced Education www.educationplanner.bc.ca

Emily Carr University of Art & Design www.ecuad.ca

Guide to British Columbia’s Public Post-Secondary Institutions
www.aett.gov.bc.ca/postsecguide/

Language Proficiency Index Registration www.lpi.ubc.ca

LearnNow BC online course content, sample tests and tutoring services for Mathematics 10 (essentials & principles) Science 10 and Social Studies 11 www.learnnowbc.gov.bc.ca

NCAA Initial-Eligibility Clearinghouse – for student athletes interested in attending American colleges or universities www.ncaa.org/cbsa

Ontario Universities’ Application Centre www.ouac.on.ca/105/

Opening Doors – comprehensive information on undergraduate programs at all 28 post-secondary institutions in BC www.openingdoorsbc.com

Planning and paying for education <http://www.canlearn.ca>

Post-Secondary Application Service of BC (PASBC) - online application to 18 BC post-secondary institutions www.pas.bc.ca

Scholarships www.scholarshipscanada.com

Simon Fraser University www.sfu.ca

The College Board resources and registration for the SAT program, college searches, scholarship information etc., www.collegeboard.com

Trinity Western University www.twu.ca/admissions

University of British Columbia www.welcome.ubc.ca

University of Northern British Columbia www.unbc.ca

University of Victoria www.uvic.ca

University Report Card – The Globe and Mail’s 2009 rankings of universities www.studentawards.com/

University Report Card Navigator – a web-based tool that allows students and families a chance to visit an interactive portal and search for characteristics about Canadian institutions important to them www.univeristynavigator.com

US News and World Report – America’s Best Colleges, www.usnews.com

Vancouver Community College www.vcc.ca