



OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

8888 University
Drive, Burnaby, BC
Canada V5A 1S6

TEL:
778.782.4636
FAX:
778.782.5876

avpcio@sfu.ca
www.sfu.ca/vpacade
mic

MEMORANDUM

ATTENTION	Senate	DATE	December 8, 2017
FROM	Daniel Leznoff, Chair Senate Committee on Undergraduate Studies	PAGES	1/1
RE:	BC High School Applicants – Faculty Course Lists		

**For information:**

Acting under delegated authority at its meeting of December 7, 2017, SCUS approved the following Grade 11 and 12 List A and B courses for each Faculty to come into effect in two stages, Fall 2019 and Fall 2020.



MEMORANDUM

ATTENTION	SCUS	DATE	December 6, 2017
FROM	Rummana Khan Hemani Registrar & Executive Director, Student Enrollment		
RE:	Proposed List A and B Grade 11 & 12 Courses For BC High School Applicants		

I. Proposed Motion for SCUS

That the Senate Committee on Undergraduate Studies approve, under delegated authority, the Grade 11 and 12 List A and B courses for each Faculty.

II. Background

As part of the proposed changes to the BC high school admission requirements, which will come into effect in two stages, Fall 2019 and Fall 2020, the Faculties have established List A and B Grade 11 and 12 courses for the programs to which they admit. These lists are comprised of courses that have previously been approved for admission. Faculties individually determined the placement of courses in either List A or B based on their chosen criteria. For all Faculties, English 12 is in List A and Grade 11 courses are in List B.

III. Faculty-Specific List A and B Courses

Refer to Appendix I.



Faculty of Applied Sciences – Computing Science

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Foundations of Math 12 Biology 12 Chemistry 12 Geography 12 Geology 12 Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Pre-Calculus 12	X	
Physics 12	X	
Calculus 12 (Recommended)		

Note: AP or IB courses may be used in place of above courses

Faculty of Applied Sciences – Engineering Science

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Foundations of Math 12 Biology 12 Geography 12 Geology 12 Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Pre-Calculus 12 (min 75%)	X	
Chemistry 12 (min 75%)	X	
Physics 12 (min 75%)	X	
Calculus 12 ¹ (min 70%)	X	

Note: AP or IB courses may be used in place of above courses

¹ Students unable to take Calculus 12 will be reviewed on a case-by-case basis

Faculty of Applied Sciences – Mechatronics System Engineering

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Foundations of Math 12 Biology 12 Geography 12 Geology 12 BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Pre-Calculus 12 (min 70%)	X	
Calculus 12 ² (min 70%)	X	
Chemistry 12 (min 70%)	X	
Physics 12 (min 70%)	X	

Note: AP or IB courses may be used in place of above courses

² Students unable to take Calculus 12 will be reviewed on a case-by-case basis

Faculty of Arts & Social Sciences

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Gr 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geography 12 Geology 12 Sustainable Resources 12 Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12
At least one of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Biology 12 Chemistry 12 Physics 12	X	
At least two Humanities/Social Sciences courses from: Comparative Civilizations 12 English Literature 12 History 12 Philosophy 12 BC First Nations Studies 12 Economics 12 Law 12 Social Justice 12	XX	
At least one of: French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12 Or At least one additional course from the Humanities or Social Science categories above	X	

Note: AP or IB courses may be used in place of above courses

Students unable to complete the requirements in any one category due to course availability will be reviewed on a case-by-case basis

Beedie

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests 11, Physics 11)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geography 12 Geology 12
Pre-Calculus 12	X	Sustainable Resources 12
At least one of: Calculus 12 Biology 12 Chemistry 12 Physics 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12	X	BC First Nations Studies 12 Comparative Civilizations 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12

Note: AP or IB courses may be used in place of above courses

FCAT – Communication

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12
At least four of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Biology 12 Chemistry 12 Geography 12 Geology 12 Physics 12 Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12 Note: only one language course, in addition to English 12 can be used in List A	X	

Note: AP or IB courses may be used in place of above courses

FCAT – School for Contemporary Arts

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Pre-Calculus 12 Calculus 12
At least two of:	X	Foundations of Math 12 Chemistry 12 Geology 12 Physics 12 Sustainable Resources 12 Comparative Civilizations 12 Economics 12 Law 12 Philosophy 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Arts Foundations 12		
Choral Music 12		
Dance Choreography 12		
Dance Performance 12		
Drama: Film & TV 12		
Instrumental Music 12		
Studio Arts 12		
Theatre Performance 12		
Theatre Production 12		
Visual Arts 12		
Biology 12		
Geography 12		
BC First Nations Studies 12		
History 12		
English Literature 12		
Social Justice 12		

Note: AP or IB courses may be used in place of above courses

FCAT – School of Interactive Arts & Technology

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests 11, Physics 11)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geology 12 BC First Nations Studies 12 Economics 12 English Literature 12 Law 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Pre-Calculus 12	X	
At least one of: Biology 12 Calculus 12 Chemistry 12 Geography 12 Physics 12	X	
At least one of: Foundations of Math 12 Sustainable Resources 12 Comparative Civilizations 12 History 12 Philosophy 12 Social Justice 12	X	

Note: AP or IB courses may be used in place of above courses

Faculty of Education – Bachelor of General Studies

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests 11, Physics 11)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geography 12 Geology 12 Physics 12 Sustainable Resources 12 Economics 12 Law 12 Philosophy 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
At least two of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Biology 12 Chemistry 12 BC First Nations Studies 12 Comparative Civilizations 12 English Literature 12 History 12 Social Justice 12 French 12 or Français Langue Seconde 12	X	Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12

Note: AP or IB courses may be used in place of above courses

Faculty of Environment – Bachelor of Arts

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12 Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12
At least one of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Biology 12 Chemistry 12 Geography 12 Geology 12 Physics 12 Sustainable Resources 12	X	
At least two of: BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12	X	
At least one additional course from List A other than English 12	X	

Note: AP or IB courses may be used in place of above courses

Faculty of Environment – Bachelor of Environment

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
At least one of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Biology 12 Chemistry 12 Geography 12 Geology 12 Physics 12 Sustainable Resources 12	X	Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12
At least one of: BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12	X	Theatre Performance 12 Theatre Production 12 Visual Arts 12
At least two additional courses from List A other than English 12	X	

Note: AP or IB courses may be used in place of above courses

Faculty of Environment – Bachelor of Science

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Chemistry 11	X
Physics 11	X
Biology 11	
Earth Science 11	
IB Environmental Systems 11	
Forests 11	

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geography 12 Geology 12
Pre-Calculus 12	X	Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12
At least two of: Calculus 12 Biology 12 Chemistry 12 Physics 12	X	Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12 Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12

Note: AP or IB courses may be used in place of above courses

Faculty of Health Sciences – Bachelor of Arts

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests 11, Physics 11)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Biology 12	X	Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12
At least three of: Pre-Calculus 12 Calculus 12 Foundations of Math 12 Chemistry 12 Geography 12 Geology 12 Physics 12 Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12 Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12	X	

Note: AP or IB courses may be used in place of above courses

Faculty of Health Sciences – Bachelor of Science

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests 11, Physics 11)	X

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Foundations of Math 12 French 12 or Français Langue Seconde 12
Pre-Calculus or Calculus 12	X	German 12
Biology 12	X	Japanese 12
Chemistry 12	X	Mandarin 12
At least one of:	X	Punjabi 12
Geography 12		Spanish 12
Geology 12		Arts Foundations 12
Physics 12		Choral Music 12
Sustainable Resources 12		Dance Choreography 12
BC First Nations Studies 12		Dance Performance 12
Comparative Civilizations 12		Drama: Film & TV 12
Economics 12		Instrumental Music 12
English Literature 12		Studio Arts 12
History 12		Theatre Performance 12
Law 12		Theatre Production 12
Philosophy 12	Visual Arts 12	
Social Justice 12		

Note: AP or IB courses may be used in place of above courses

Faculty of Science

Grade 11 List B	Required
English 11	X
Language 11 (any)	X
Foundations of Math 11 or Pre-Calculus 11	X
Social Studies 11	X
Chemistry 11	X
Physics 11	X
Biology 11	
Earth Science 11	
IB Environmental Systems	
Forests 11	

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français Langue Première 12)	X	Geography 12 Geology 12
Pre-Calculus 12	X	Sustainable Resources 12 BC First Nations Studies 12 Comparative Civilizations 12
At least two of:	X	Economics 12 English Literature 12 History 12 Law 12 Philosophy 12 Social Justice 12 French 12 or Français Langue Seconde 12 German 12 Japanese 12 Mandarin 12 Punjabi 12 Spanish 12
Calculus 12		
Biology 12		
Chemistry 12		
Physics 12		

Note: AP or IB courses may be used in place of above courses