

### OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

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December 8, 2017

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MEMORANDUM

ATTENTION

FROM

Senate

Senate Committee on **Undergraduate Studies** 

RE:

Daniel Leznoff, Chair PAGES

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.

Master List of List A & B Courses by Faculty/Program

APPENDIX I

## Faculty of Applied Sciences - Computing Science

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

Note: Grade 11 List B effective Fall 2020

Grade 12			
List A	Required	List B	
English 12 (or English First Peoples 12 or Francais Langue Premiere 12)	Х	Foundations of Math 12 Biology 12	
Pre-Calculus 12	х	Chemistry 12	
Physics 12	х	Geography 12	
Calculus 12 (Recommended)		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	

## **Faculty of Applied Sciences – Engineering Science**

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

Note: Grade 11 List B effective Fall 2020

Grade 12		e for Bethe
List A	Required	List B
English 12 (or English First Peoples 12 or Francais Langue Premiere 12)	х	Foundations of Math 12 Biology 12
Pre-Calculus 12 (min 75%)	х	Geography 12
Chemistry 12 (min 75%)	Х	Geology 12 Sustainable Resources 12
Physics 12 (min 75%)	Х	BC First Nations Studies 12
Calculus 12 <sup>1</sup> (min 70%)	х	Comparative Civilizations 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

<sup>1</sup> 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	Require d
English 11	Х
Language 11 (any)	Х
Foundations of Math 11 or Pre-Calculus 11	Х
Social Studies 11	Х
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 Francais Langue Premiere 12)	х	Foundations of Math 12 Biology 12
Pre-Calculus 12 (min 70%)	х	Geography 12
Calculus 12² (min 70%)	Х	Geology 12  BC First Nations Studies 12
Chemistry 12 (min 70%)	Х	Comparative Civilizations 12
Physics 12 (min 70%)	Х	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

<sup>2</sup> 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	х
Language 11 (any)	Х
Foundations of Math 11 or Pre-Calculus 11	х
Social Studies 11	Х
Science 11 (any from: Biology, Chemistry, Earth Science, IB Environmental Systems, Forests, Physics)	х

Note: Gr 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Francais	х	Geography 12
Langue Premiere 12)		Geology 12
At least one of:		Sustainable Resources 12
		Arts Foundations 12
Pre-Calculus 12		Choral Music 12
Calculus 12	.,	Dance Choreography 12
Foundations of Math 12	×	Dance Performance 12
Biology 12		Drama: Film & TV 12
Chemistry 12		Instrumental Music 12
Physics 12		Studio Arts 12
At least <b>two</b> Humanities/Social Sciences courses		Theatre Performance 12
from:		Theatre Production 12
		Visual Arts 12
Comparative Civilizations 12		CSUSE OF MCCO PORT BY ARREST
English Literature 12		
History 12	xx	
Philosophy 12	7	
BC First Nations Studies 12		
Economics 12		
Law 12		
Social Justice 12		
At least one of:	_	
At least <b>one</b> of.		
French 12 or Français Langue Seconde 12		
German 12		
Japanese 12		
Mandarin 12		
Punjabi 12	×	
Spanish 12	^	
5P4111311 12		
Or		
O.		
At least <b>one</b> additional course from the		
Humanities or Social Science categories above		

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

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

Note: Grade 11 List B effective Fall 2020

Grade 12			
List A	Required	List B	
English 12 (or English First Peoples 12 or Francais Langue Premiere 12)	х	Geography 12 Geology 12	a El circ
Pre-Calculus 12	Х	Sustainable Resources 12	
At least <b>one</b> of:	f	BC First Nations Studies 12 Comparative Civilizations 12	
Calculus 12 Biology 12	1.	Social Justice 12 French 12 or Français Langue Seconde 12	
Chemistry 12 Physics 12	X	German 12 Japanese 12	
Economics 12 English Literature 12		Mandarin 12 Punjabi 12	
History 12 Law 12		Spanish 12	
Philosophy 12			

## **FCAT – Communication**

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

Note: Grade 11 List B effective Fall 2020

Grade 12		
List A	Required	List B
English 12 (or English First Peoples 12 or Français	Х	Arts Foundations 12
Langue Premiere 12)		Choral Music 12
At least four of:		Dance Choreography 12
		Dance Performance 12
Pre-Calculus 12		Drama: Film & TV 12
Calculus 12		Instrumental Music 12
Foundations of Math 12		Studio Arts 12
Biology 12		Theatre Performance 12
Chemistry 12		Theatre Production 12
Geography 12		Visual Arts 12
Geology 12		
Physics 12		
Sustainable Resources 12		
BC First Nations Studies 12		
Comparative Civilizations 12		
Economics 12	V	
English Literature 12	X	
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		

## **FCAT – School for Contemporary Arts**

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

Note: Grade 11 List B effective Fall 2020

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

## **FCAT – School of Interactive Arts & Technology**

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

Note: Grade 11 List B effective Fall 2020

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

## Faculty of Education – Bachelor of General Studies

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

Note: Grade 11 List B effective Fall 2020

List A	Required	List B
English 12 (or English First Peoples 12 or Francais Langue Premiere 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	Required 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 Arts Foundations 12 Choral Music 12 Dance Choreography 12 Dance Performance 12 Drama: Film & TV 12
		Drama: Film & TV 12 Instrumental Music 12 Studio Arts 12 Theatre Performance 12 Theatre Production 12 Visual Arts 12

# Faculty of Environment – Bachelor of Arts

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

Note: Grade 11 List B effective Fall 2020

Grade 12			
List A	Required	List B	
English 12 (or English First Peoples 12 or Francais	х	French 12 or Français Langue Seconde 12	
Langue Premiere 12)		German 12	
At least one of:		Japanese 12	
		Mandarin 12	
Pre-Calculus 12		Punjabi 12	
Calculus 12		Spanish 12	
Foundations of Math 12		Arts Foundations 12	
Biology 12	x	Choral Music 12	
Chemistry 12		Dance Choreography 12	
Geography 12		Dance Performance 12	
Geology 12	1	Drama: Film & TV 12	
Physics 12		Instrumental Music 12	
Sustainable Resources 12		Studio Arts 12	
At least two of:		Theatre Performance 12	
		Theatre Production 12	
BC First Nations Studies 12		Visual Arts 12	
Comparative Civilizations 12			
Economics 12	X		
English Literature 12			
History 12			
Law 12			
Philosophy 12			
Social Justice 12			
At least one additional course from Lisa A other			
than English 12	x		
and a production on the state of the state o	_ ^		

## Faculty of Environment – Bachelor of Environment

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

Note: Grade 11 List B effective Fall 2020

nglish 12 (or English First Peoples 12 or Francais angue Premiere 12) t least <b>one</b> of:	Х	
		French 12 or Français Langue Seconde 12
		German 12
		Japanese 12
		Mandarin 12
re-Calculus 12		Punjabi 12
alculus 12		Spanish 12
oundations of Math 12		Arts Foundations 12
ology 12	x	Choral Music 12
nemistry 12		Dance Choreography 12
eography 12		Dance Performance 12
eology 12		Drama: Film & TV 12
nysics 12		Instrumental Music 12
ustainable Resources 12		Studio Arts 12
least one of:		Theatre Performance 12
		Theatre Production 12
C First Nations Studies 12		Visual Arts 12
omparative Civilizations 12		
conomics 12	X	
nglish Literature 12		
istory 12		
aw 12		
hilosophy 12		
ocial Justice 12	16	
t least two additional courses from List A other		
nan English 12	l x	

# Faculty of Environment – Bachelor of Science

Grade 11 List B	Require d
English 11	Х
Language 11 (any)	Х
Foundations of Math 11 or Pre-Calculus 11	Х
Social Studies 11	х
Chemistry 11	Х
Physics 11	Х
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 Francais	X	Geography 12	
Langue Premiere 12)		Geology 12	
Pre-Calculus 12	Х	Sustainable Resources 12	
At least two of:		BC First Nations Studies 12	
		Comparative Civilizations 12	
Calculus 12	.,	Economics 12	
Biology 12	×	English Literature 12	
Chemistry 12		History 12	
Physics 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	

# Faculty of Health Sciences – Bachelor of Arts

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

Note: Grade 11 List B effective Fall 2020

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

# Faculty of Health Sciences – Bachelor of Science

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

Note: Grade 11 List B effective Fall 2020

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

## **Faculty of Science**

Grade 11 List B	Require d
English 11	Х
Language 11 (any)	Х
Foundations of Math 11 or Pre-Calculus 11	Х
Social Studies 11	Х
Chemistry 11	Х
Physics 11	Х
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	х	Geography 12	
Langue Premiere 12)		Geology 12	
Pre-Calculus 12	X	Sustainable Resources 12	
At least two of:		BC First Nations Studies 12	
		Comparative Civilizations 12	
Calculus 12		Economics 12	
Biology 12	X	English Literature 12	
Chemistry 12		History 12	
Physics 12		Law 12	
	1	Philosophy 12	
		Social Justice 12	
		French 12 or Français Langue Seconde 12	
		German 12	
		Japanese 12	
		Mandarin 12	
		Punjabi 12	
		Spanish 12	