COURSE PLANNING FEBRUARY 2019

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Power point available on website

LADDERING YOUR WAY TO APPRENTICESHIPS AND TRADES

- Post Secondary education that combines paid, work-based training with technical training in a classroom or shop setting
- Apprenticeships can range from 1 to 5 years but most require 4 years to complete

Beginning Your Apprenticeship

DURING HIGHSCHOOL

- YOUTH TRAIN IN TRADES = School based training
- YOUTH WORK IN TRADES = Work placement

AFTER HIGHSCHOOL

- A Pre-apprenticeship Foundation program or training with an Employer
- Trade programs (BCIT) have continuous enrolment, waitlists should be researched. Students may want to consider writing Pre-tests in Grade 11 or 12 to enhance wait list opportunities

District Career Programs

YOUTH TRAIN IN TRADES

Electrician – North Delta Secondary (BCIT Satellite Campus)
Auto Service Technician 1 – Seaquam (Day 1 linear schedule)
Professional Cook – Seaquam (Day 1 linear schedule)

Baking & Pastry Arts – VCC
Carpenter - BCIT
Metal Fabricator – BCIT
Millwright – Kwantlen
Motorcycle Technician – BCIT
Plumber – Kwantlen
Welder - Kwantlen
Auto Refinishing Prep – VCC
Commercial Painter – Finishing Trades Institute

YOUTH WORK IN TRADES

Industry Training
Up to 16 credits
Opportunity to receive $1000 Award

See Ms. Chapieski for more information

PRE APPRENTICESHIP FOUNDATION PROGRAMS AFTER HIGHSCHOOL

What is it?

Training to prepare students for entry-level employment in a trade area of their choice.

Where can I apply?

Most schools offering trade programs have FOUNDATION programs:

- BCIT
- Kwantlen Polytechnic University
- Vancouver Community College

Apprenticeship

Upon completion of a program, students may seek employment as apprentices. Also receive their Level 1 training certification

Trades Discovery Program at BCIT for men and women
16 week training program in approximately 15 different technical and trades fields (must write pre-test in English, Math & Mechanical reasoning)

UBC

UBC will take a holistic approach to academic assessments and will consider all Grade 11 and Grade 12 courses when evaluating the competitiveness of a student's application – and emphasis will be placed on academic courses related to their intended area of study.

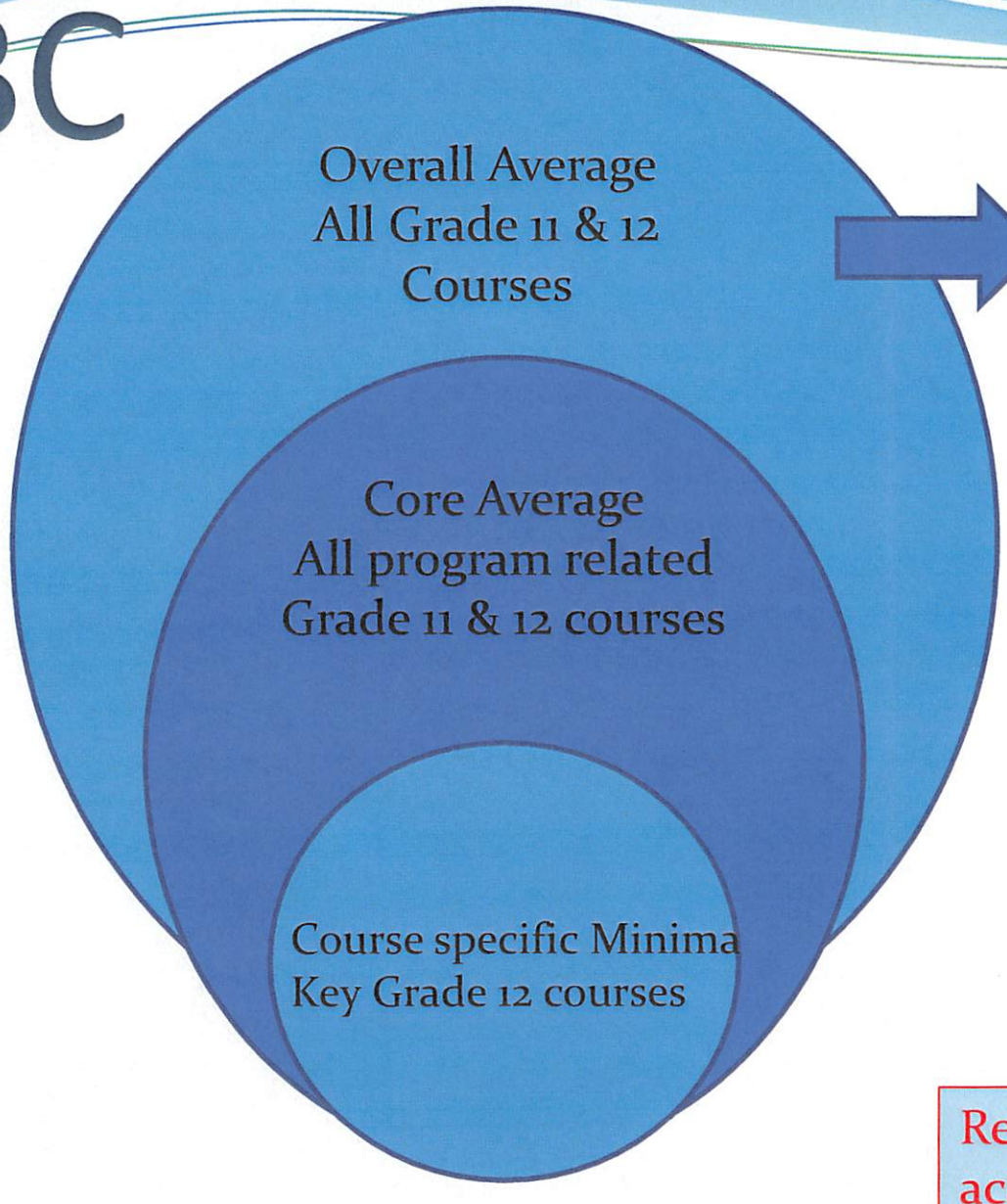
UBC's holistic approach will focus primarily on marks in academic courses, but will also consider breadth, rigour, and relevancy of coursework:

- To what extent has the student excelled in secondary school, as evidenced by their grades?
- To what extent has the student challenged themselves in secondary school, as evidenced by the number and academic rigour of courses completed?
- To what extent has the student taken courses in subjects that are relevant to their intended area of study at UBC?

Students can demonstrate competitiveness in a number of ways, beyond their grades:

- Challenge themselves: Show UBC breadth and rigour in their course selection, and/or take advanced courses (e.g., AP, IB, Calculus, dual credit, etc.).
- Demonstrate knowledge in their area of study: Take courses related to their intended areas of study (e.g., math and sciences courses if they're applying to Bachelor of Science).

UBC



Excludes courses in applied design, skills and technology; physical & health education and career and personal planning

Applied Design Courses

Accounting 11/12
Computer Information Systems 11/12
Computer Programming 11/12
Digital Media Development 11/12
Entrepreneurship 11/12
Financial Accounting 12
Food Studies 11/12
Marketing & Promotion 11
Media Arts 11/12

Require 6 academic & non academic Gr. 12 courses

UBC - Vancouver

Applied Science (Engineering)	▪ English 12 or English 12 First Peoples ▪ Pre-Calculus 12 ▪ Chemistry 12 (outstanding candidates missing Chemistry 12 or equivalent are encouraged to apply and will be reviewed on a case-by-case basis) ▪ Physics 12 (outstanding candidates missing Physics 12 or equivalent are encouraged to apply and will be reviewed on a case-by-case basis)	▪ English 11 or English 11 First Peoples ▪ A **language 11** or **waiver** (includes all second language courses, including all Indigenous languages of Canada, but excludes introductory Grade 11 language courses) ▪ Pre-Calculus 11 or Foundations of Mathematics 12
Science	▪ English 12 or English 12 First Peoples ▪ Pre-Calculus 12 (minimum 67%) ▪ One of Biology 12, Chemistry 12, or Physics 12	▪ English 11 or English 11 First Peoples ▪ A **language 11** or **waiver** (includes all second language courses, including all Indigenous languages of Canada, but excludes introductory Grade 11 language courses) ▪ Chemistry 11 ▪ Physics 11 (may be waived with scores of 86% or higher in senior-level Math and Chemistry) ▪ Pre-Calculus 11 or Foundations of Mathematics 12

UBC - Vancouver

Arts	▪ English 12 or English 12 First Peoples ▪ If you intend to major in Economics, you must complete Pre-Calculus 12	▪ English 11 or English 11 First Peoples ▪ A **language 11** or **waiver** (includes all second language courses, including all Indigenous languages of Canada, but excludes introductory Grade 11 language courses) ▪ Pre-Calculus 11 or Foundations of Mathematics 12 ▪ A Science 11 (Applied Physics 11 and 12, Biology 11, Chemistry 11, Earth Science 11, Environmental Sciences 11, Geology 11, Life Sciences 11, or Physics 11)
Commerce (UBC Sauder School of Business)	▪ English 12 or English 12 First Peoples ▪ Pre-Calculus 12	▪ English 11 or English 11 First Peoples ▪ A **language 11** or **waiver** (includes all second language courses, including all Indigenous languages of Canada, but excludes introductory Grade 11 language courses) ▪ Pre-Calculus 11 or Foundations of Mathematics 12 ▪ A Science 11 (Applied Physics 11 and 12, Biology 11, Chemistry 11, Earth Science 11, Environmental Sciences 11, Geology 11, Life Sciences 11, or Physics 11)

UBC Okanagan

Applied Science (Engineering)	▪ English 12 or English 12 First Peoples ▪ Pre-Calculus 12 ▪ Chemistry 12 ▪ Physics 12	
Arts	▪ English 12 or English 12 First Peoples	
Human Kinetics	▪ English 12 or English 12 First Peoples ▪ Biology 12 ▪ Pre-Calculus 12	▪ Chemistry 11 or Physics 11
Nursing	▪ English 12 or English 12 First Peoples ▪ Biology 12 ▪ Chemistry 12	▪ Pre-Calculus 11 or Foundations of Mathematics 12 ▪ Biology 11 ▪ Chemistry 11
Science	▪ English 12 or English 12 First Peoples ▪ Pre-Calculus 12 (minimum 67%) ▪ One of Biology 12, Chemistry 12, Geography 12, Geology 12, or Physics 12	▪ Chemistry 11

No second language requirement

SFU

General admission requirements for Fall 2020

- English language requirement
- Quantitative and analytical skills requirement
- A minimum of 5 approved Grade 12 courses
- Admission is based on an evaluation of all approved Grade 11 and 12 course with greater emphasis on List A courses.
- Online/distance education courses must be 100% complete by January 31, 2020.

GRADE 11 – LIST B

English 11, *at least one of:*
Composition 11
Creative Writing 11 or Langue et culture de la francophonie 11

Language 11, *at least one of:*
American Sign Language 11 or 12
Beginner's Language 11
French 11
German 11
Italian 11
Japanese 11
Korean 11
Mandarin 11
Punjabi 11
Russian 11
Spanish 11
Language 12 courses

Math 11, *at least one of:*
Foundations of Math 11
Pre-Calculus 11

Science 11, *at least one of:*
Chemistry 11
Earth Sciences 11
Environmental Science 11
Life Sciences 11
Physics 11
Specialized Science 12

SFU – Faculty of Arts & Social Science

Grade 11 courses

Composition 11
Pre-calculus or Foundations Math 11
Second Language 11
Socials 11 or 12
Science 11

GRADE 12 – LIST A

One of:
English Studies 12
English First Peoples 12
Français langue et culture 12

At least one of:
Anatomy & Physiology 12
Calculus 12
Chemistry 12
Computer Science 12
Environmental Science 12
Foundations of Mathematics 12
Geology 12
Geometry 12
Physical Geography 12
Physics 12
Pre-Calculus 12
Statistics 12

At least two of:
20th Century World History 12
Asian Studies 12
BC First Peoples 12
Comparative World Religions 12
Comparative Cultures 12
Composition 12
Contemporary Indigenous Studies 12
Creative Writing 12 or Langue et Culture de la Francophonie 12
Economic Theory 12
Economics 12
Genocide Studies 12
Human Geography 12
Law Studies 12
Literary Studies 12 or Études du Cinema et de la Litterature Francophones 12
New Media 12 or Medias et Communications Numerique 12
Philosophy 12
Political Studies 12
Social Justice 12
Spoken Language 12 or Communication Orale 12
Urban Studies 12

At least one of:
American Sign Language 12
French 12 or Francais Langue Seconde 12
German 12
Italian 12
Japanese 12
Korean 12
Mandarin 12
Punjabi 12
Russian 12
Spanish 12
or one additional course from List A

SFU

GRADE 12 – LIST B

Accounting 12
Art Studio 12
Choral Music 12 (includes Chamber 12, Concert Choir 12, Vocal Jazz 12)
Composition & Production 12
Contemporary Music 12
Dance Choreography 12
Dance Company 12
Dance Conditioning 12
Dance Foundations 12
Dance Technique & Performance 12
Directing & Scriptwriting 12
Drama 12
Engineering 12
Entrepreneurship 12
Film & Television 12
Financial Accounting 12
Graphic Arts 12
Instrumental Music 12 (includes Concert Band 12, Guitar 12, Jazz Band 12, and Orchestra 12)
Mechatronics 12
Media Arts 12
Musical Theatre 12
Photography 12
Studio Arts 2D 12
Studio Arts 3D 12
Theatre Company 12
Theatre Production 12

SFU – Faculty of Business

Grade 11 Courses:

Composition 11
Pre Calculus 11
Second Language 11
Socials 11 or 12
Science 11

GRADE 12 – LIST A

One of:

English Studies 12
English First Peoples 12
Français langue et culture 12

Pre-Calculus 12

At least one of:

20th Century World History 12
Anatomy & Physiology 12
Calculus 12
Chemistry 12
Composition 12
Creative Writing 12
Economic Theory 12
Economics 12
Genocide Studies 12
Law Studies 12
Literary Studies 12
New Media 12
Philosophy 12
Physics 12
Spoken Language 12
Statistics 12

GRADE 12 – LIST B

Accounting 12
American Sign Language 12
Asian Studies 12
BC First Peoples 12
Comparative World Religions 12
Comparative Cultures 12
Computer Science 12
Contemporary Indigenous Studies 12
Engineering 12
Entrepreneurship 12
Environmental Science 12
Financial Accounting 12
Foundations of Mathematics 12
French 12
Geology 12
Geometry 12
German 12
Human Geography 12
Italian 12
Japanese 12
Korean 12
Mandarin 12
Mechatronics 12
Physical Geography 12
Political Studies 12
Punjabi 12
Russian 12
Social Justice 12
Spanish 12
Urban Studies 12

At time of application to SFU, you choose 2 programs. You must meet the admission requirements to both programs

SFU – Faculty of Science

Grade 11 Courses:

Composition 11
Pre Calculus 11
Second Language 11
Socials 11 or 12
Physics and Chemistry 11

GRADE 12 – LIST A

One of:

English Studies 12
English First Peoples 12
Français langue et culture 12

Pre-Calculus 12

At least two of:

Anatomy & Physiology 12
Calculus 12
Chemistry 12
Physics 12

GRADE 12 – LIST B

20th Century World History 12
Accounting 12
American Sign Language 12
Asian Studies 12
BC First Peoples 12
Comparative World Religions 12
Comparative Cultures 12
Composition 12
Computer Science 12
Contemporary Indigenous Studies 12
Creative Writing 12
Economic Theory 12
Economics 12
Engineering 12
Entrepreneurship 12
Environmental Science 12
Financial Accounting 12
Foundations of Mathematics 12
French 12
Genocide Studies 12
Geology 12
Geometry 12
German 12
Human Geography 12
Italian 12
Japanese 12
Korean 12
Law Studies 12
Literary Studies 12
Mandarin 12
Mechatronics 12
New Media 12
Philosophy 12
Physical Geography 12
Political Studies 12
Punjabi 12
Russian 12
Social Justice 12
Spanish 12
Spoken Language 12
Statistics 12
Urban Studies 12

SFU – Engineering Sciences

Grade 11 Courses:

Composition 11
Math 11
Second Language 11
Socials 11 or 12
Chemistry and Physics 11

GRADE 12 – LIST A

One of:

English Studies 12
English First Peoples 12
Français langue et culture 12

Calculus 12[1] (min 70%)

Chemistry 12 (min 75%)

Physics 12 (min 75%)

Pre-Calculus 12 (min 75%)

GRADE 12 – LIST B

20th Century World History 12
Accounting 12
American Sign Language 12
Anatomy & Physiology 12
Asian Studies 12
BC First Peoples 12
Chemistry 12
Comparative World Religions 12
Comparative Cultures 12
Composition 12
Computer Science 12
Contemporary Indigenous Studies 12
Creative Writing 12
Economic Theory 12
Economics 12
Engineering 12
Entrepreneurship 12
Environmental Science 12
Financial Accounting 12
Foundations of Mathematics 12
French 12
Genocide Studies 12
Geology 12
Geometry 12
German 12
Human Geography 12
Italian 12
Japanese 12
Korean 12
Law Studies 12
Law Studies 12
Literary Studies 12
Mandarin 12
Mechatronics 12
New Media 12
Philosophy 12
Physical Geography 12
Political Studies 12
Punjabi 12
Russian 12
Social Justice 12
Spanish 12
Spoken Language 12
Statistics 12
Urban Studies 12

UVIC

Faculty of Social Sciences

Students applying to the Faculty of Social Sciences must meet the following admission requirements.

Course requirements

Applying for September 2019 | **Applying for September 2020**

All Social Sciences programs

Grade 11 courses

- Approved English 11
- Foundations of Mathematics 11 or Pre-calculus 11
- Approved science 11
- Approved social studies 11/12

Grade 12 courses

- English Studies 12 or English First Peoples 12 (minimum 67%)
- Three approved academic 12 courses

Science 11

- Biology 11
- Chemistry 11
- Earth Sciences 11
- Environmental Science 11
- Life Sciences 11
- Physics 11

Social Studies 11

- Civic Studies 11
- Explorations In Social Studies 11
- Francophone History And Culture 11
- Social Studies 11

Social Studies 12

- 20th Century World History 12
- Asian Studies: 1850 - Present 12
- BC First Nations Studies 12
- BC First Peoples 12
- Comparative Civilizations 12
- Comparative Cultures 12
- Comparative World Religions 12
- Contemporary Indigenous Studies 12
- Economic Theory 12
- Genocide Studies 12
- Geography 12
- History 12
- Human Geography 12
- Law 12
- Law Studies 12
- Philosophy 12
- Physical Geography 12
- Political Studies 12
- Social Justice 12
- Urban Studies 12
- Yukon First Nations Studies 12

UVIC

Academic 12

- 20th Century World History 12
- Anatomy and Physiology 12
- Arabic 12
- Asian Studies 12
- BC First Peoples 12
- Biology 12
- Calculus 12
- Chemistry 12
- Comparative Cultures 12
- Comparative World Religions 12
- Composition 12
- Computer Programming 12
- Computer Science 12
- Contemporary Indigenous Studies 12
- Creative Writing 12
- Croatian 12
- Economic Theory 12
- Environmental Science 12
- Foundations of Mathematics 12
- French 12
- Français langue et culture 12
- Français langue première 12
- Français langue seconde-immersion 12
- Genocide Studies 12
- Geology 12
- German 12
- Halq'emeylem 12
- Hul'q'umi'num 12
- Human Geography 12
- Italian 12
- Japanese 12
- Korean 12
- Kwak'wala 12
- Law Studies 12
- Liqwala/Kwakwala 12
- Literary Studies 12
- Mandarin 12
- New Media 12
- Nuu-chah-nulth 12
- Nte?kepmxcin 12
- Nsilxcen (Okanagan) 12
- Philosophy 12
- Physical Geography 12
- Physics 12
- Political Studies 12
- Pre-calculus 12
- Punjabi 12
- Russian 12
- Sencoten 12
- Shashishalhem 12
- Sm'algyax 12
- Sim'algaxhl Nisga'a 12
- Social Justice 12
- Spanish 12
- Spoken Language 12
- Statistics 12
- Upper St'at'imcets 12
- Secwepemctsin 12
- Tsek'ene 12
- Urban Studies 12

UVIC

Faculty of Engineering

Students applying to the Engineering and Computer Science undergraduate programs offered by the Faculty of Engineering must meet the following admission requirements.

Course requirements

Applying for September 2019 | **Applying for September 2020**

Computer Science

Grade 11 courses

- Approved English 11
- Pre-calculus 11
- Approved science 11
- Approved social studies 11/12

Grade 12 courses

- English Studies 12 or English First Peoples 12 (minimum 67%)
- Pre-calculus 12 (minimum 73%)
- Approved science 12
- Approved academic 12

Engineering

Grade 11 courses

- Approved English 11
- Pre-calculus 11
- Chemistry 11
- Physics 11
- Approved social studies 11

Grade 12 courses

- English Studies 12 or English First Peoples 12 (minimum 67%)
- Pre-calculus 12 (minimum 73%)
- Physics 12
- Approved academic 12 (Chemistry 12 recommended)

UVIC

Faculty of Science

Students applying to the Faculty of Science must meet the following admission requirements.

Course requirements

Applying for September 2019 | **Applying for September 2020**

All Science programs

Grade 11 courses

- Approved English 11
- Pre-calculus 11
- Chemistry 11
- Physics 11
- Approved social studies 11/12

Grade 12 courses

- English Studies 12 or English First Peoples 12 (minimum 67%)
- Pre-calculus 12 (minimum 67%)
- Two approved science 12 courses

Science 12

- Anatomy and Physiology 12
- Biology 12
- Chemistry 12
- Environmental Science 12
- Geology 12
- Physics 12

Peter B. Gustavson School of Business

Students applying to the Commerce undergraduate program offered by the Peter B. Gustavson School of Business must meet the following admission requirements.

Course requirements

Applying for September 2019 | **Applying for September 2020**

Commerce

Grade 11 courses

- Approved English 11
- Pre-calculus 11
- Approved science 11
- Approved social studies 11/12

Grade 12 courses

- English Studies 12 or English First Peoples 12 (minimum 67%)
- Pre-calculus 12
- Two approved academic 12 courses

Online courses

UBC

- Must be 100% completed by Feb 1 if the student wishes to use their Distributed Learning course in the calculation of their competitive admission average

- Distributed learning courses completed by June 30 can be used to meet pre-requisites but will not be used in the calculation of their competitive admission average

SFU

- 100% should be completed by Jan 31

UVIC

- 100% complete by May 31st
- 50% should be complete by end of March

DOUGLAS COLLEGE

Students are accepted with general entry requirements (English 12 "C" or its equivalent) Career Programs will have additional pre-requisites. Course selection will be based on gpa and application date

Students can transfer to a University after 24 credits

SFU/DOUGLAS Degree Program: areas of study – Arts, Social Sciences, Environment, Science

- Pay Douglas tuition rates ($1,465 per semester vs. $2,660 at SFU)
- Smaller class sizes
- Transfer paperwork not required (credits registered at both institutions)

- **SFU/LANGARA Degree Program**: move between both institutions to complete a BA or BSC
- Pay Langara tuition rates
- Smaller class sizes

Langara College

Students are accepted with general entry requirements (High school graduation) for the Arts, Science and Business (General) University studies.

Career programs will have additional pre-requisites (certificates & diplomas)

Students can transfer to a University after 24 credits

Food & Nutrition and Health Transfer to UBC

- Biology 12 - B
- Chemistry 12 – B
- Physics 12 – B
- Pre-Calculus 12 - B
- Eng 12 80%

Transfer Agreements

- ***Queens University (guaranteed 3rd year entry to 17 programs),*** York University, St. Mary's University, University of Saskatchewan, University of Alberta, Royal Roads University, University of New Orleans, UK, Australia

KWANTLEN POLYTECHNIC UNIVERSITY

Students are accepted with general entry requirements (English 12 "C+" or its equivalent). Students will need to obtain a "C+" in English 12 to enroll directly in a University level English course. Some programs will have additional pre-requisites

Students can transfer to another Post Secondary Institution after 24 credits

- Faculty of Arts
  - Criminology
  - Psychology
  - Journalism
  - History
  - Creative Writing
- Faculty of Business
  - Accounting
  - Business Administration
  - Economics
  - Marketing
- Faculty of Health/Science
  - Nursing
  - Biology
  - Chemistry
  - Engineering transfer
  - Health Science

BCIT

Each Technology Programs has specific requirements.

Non Competitive Entry

Accepted on a first qualified basis

Finance Diploma

- English 12 – 67%, Math 11 – 67% (accepted into the program with English 11 67% with proof of registration in English 12)

Competitive Entry

Civil Engineering

- English 12 – B, Chemistry 12 - B, Physics 12 - B, Pre-Calculus 12- B

Some programs are not accessible to students directly from high school

ADMISSION AVERAGES

UBC Vancouver/Okanagan

Overall average: all Grade 11/12 courses
Core Average: all program related Gr. 11/12 courses
Course-Specific Minima (Key Gr. 12 courses – 93% gpa average for Vancouver campus)

Min. English grade 70% in either Eng 11 or 12 (Vancouver campus only)

Personal Profile: used to assess preparedness for university

UVIC

Humanities	77%
Engineering	83%
Computer Science	83%
Sciences	85%
Fine Arts	75-80%
Human & Social Development	75-80%
Business (supplemental)	80%
Social Sciences	80%

SFU

Arts & Social Science	80%
Business (supplemental)	83%
Education	90%
Science	85%
Applied Science	88%
Communication, Art, Tech	78%

Application will be evaluated using List A/B courses – priority for List A courses

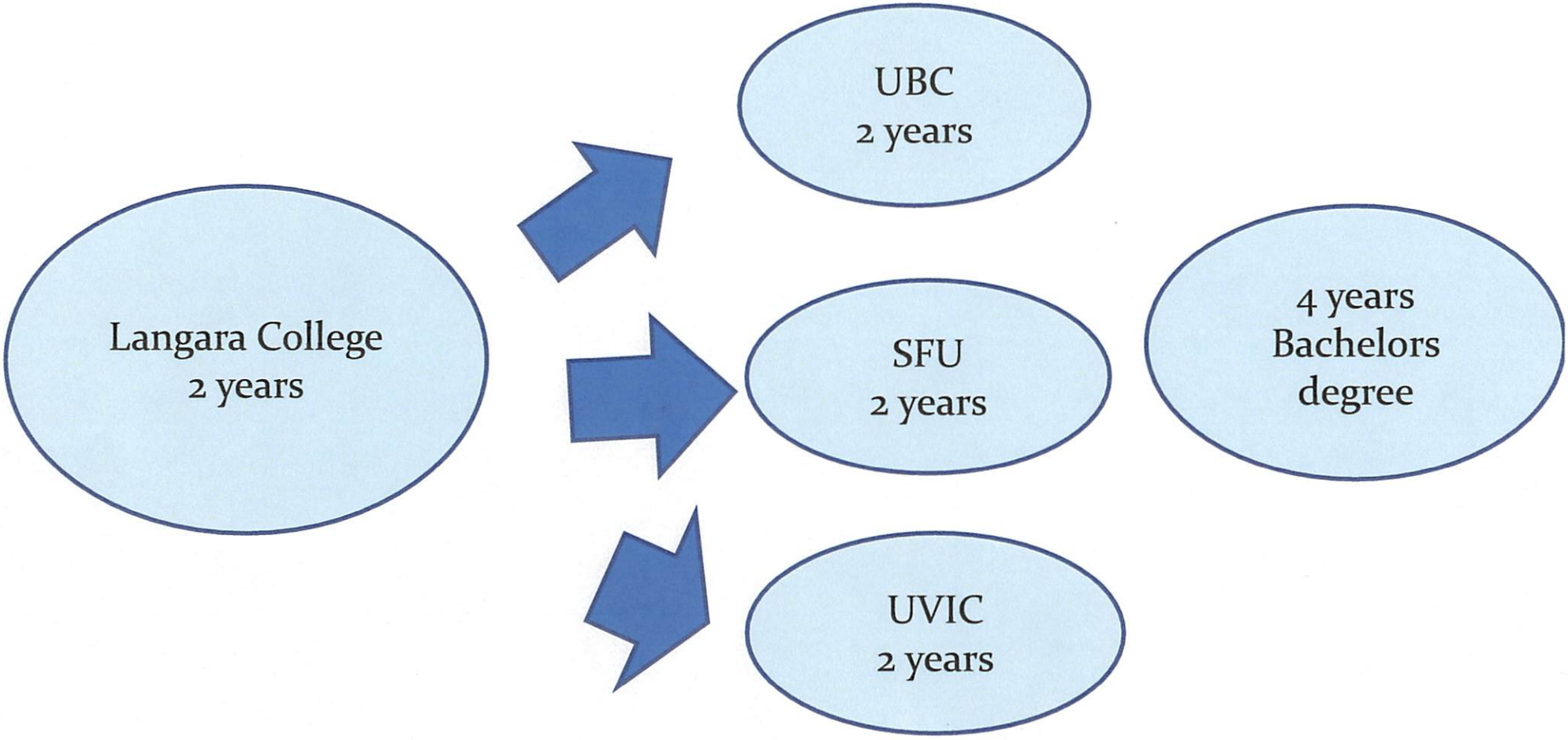
University Transfer Program

Associate Degree in Arts, Science, Business
Fulfills the first 2 years of a 4 year undergraduate degree at a University
Douglas, Langara, Kwantlen, Capilano
Transfer to a university 3rd year

Kwantlen Polytechnic University
Business Administration Diploma
Transfer to a university 3rd year

Langara College
Kinesiology Diploma
Transfer to UBC, SFU, UVIC 3rd year to complete a degree in Kinesiology

University Transfer Programs



Field Trips

Vancouver Community College "Try a Trade"
February 27, 2019

Justice Institute of BC
March 6, 2019
Policing, Firefighting, Paramedics, Emergency Response

What Do Students Do Now?

Career Centre

- Make an appointment to go over course selection
- Sign up sheet available at the Career Centre
- More information available on my website
- www.deltasecondarycareercentre.weebly.com
- Office hours: Monday to Thursday 8:15-3:15

604-946-4194 Local 258

Email address: kjew@deltasd.bc.ca

Power point available on my website