

Faculty of Science & Engineering B.Sc. Degree			Faculty of Arts B.A. Degree			Faculty of Atkinson B.Sc. Degree			Faculty of Atkinson B.A. Degree		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE34xx	3	<input type="checkbox"/>	34xx	3	<input type="checkbox"/>	34xx	3	<input type="checkbox"/>	34xx	3	<input type="checkbox"/>
CSE3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>
CSE3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>
<b>CSE total: 40</b>			<b>40</b>			<b>40</b>			<b>40</b>		
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
<b>General Education</b>			<b>General Education</b>			<b>General Education</b>			<b>General Education</b>		
*Gen Ed	12	<input type="checkbox"/>	SOSC or HUMA 1xxx	9	<input type="checkbox"/>	SOSC 1xxx	6	<input type="checkbox"/>	SOSC 1xxx	6	<input type="checkbox"/>
**Lab courses	6	<input type="checkbox"/>	SOSC or HUMA 2xxx	9	<input type="checkbox"/>	HUMA 1xxx	6	<input type="checkbox"/>	HUMA 1xxx	6	<input type="checkbox"/>
			Area I or Area II (if not satisfied by SOSC/HUMA above)			***NATS 1xxx	6	<input type="checkbox"/>	NATS 1xxx	6	<input type="checkbox"/>
			NATS	6	<input type="checkbox"/>	MATH/MODR 1xxx	6	<input type="checkbox"/>	MATH/ MODR 1xxx	6	<input type="checkbox"/>
			Electives (outside CSE and not otherwise required)	18	<input type="checkbox"/>				Electives (outside CSE and not otherwise required)	18	<input type="checkbox"/>
<b>Additional courses to satisfy credit sub-totals:</b>											
SC credits: 66	<input type="checkbox"/>					non-CSE SC credits 2000-level or above	6	<input type="checkbox"/>			
<b>Total Credits: 90</b>			<b>90</b>			<b>90</b>			<b>90</b>		

\* Obtain a list of acceptable FSE General Education courses from the Science Academic Centre in rm 355 Lumbers Building.

\*\* The Lab requirement for the FSE BSc degree must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

\*\*\* The NATS requirement for the Atkinson BSc degree must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

<i>(no stream)</i>			<b>Communication Networks</b>			<b>Intelligent Systems</b>			<b>Interactive Systems</b>			<b>Software Development</b>		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>
CSE3xxx	3	<input type="checkbox"/>	3213 or 3214	3	<input type="checkbox"/>	3402	3	<input type="checkbox"/>	3461	3	<input type="checkbox"/>	3341	3	<input type="checkbox"/>
			3451	4	<input type="checkbox"/>				3431	3	<input type="checkbox"/>	3421	3	<input type="checkbox"/>
												3461	3	<input type="checkbox"/>
+CSE41xx	3	<input type="checkbox"/>	+CSE41xx	3	<input type="checkbox"/>	+CSE41xx	3	<input type="checkbox"/>	+CSE41xx	3	<input type="checkbox"/>	+CSE41xx	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4084	6	<input type="checkbox"/>	4081	6	<input type="checkbox"/>	4082	6	<input type="checkbox"/>	4090	6	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4215	3	<input type="checkbox"/>	4401 or 4402	3	<input type="checkbox"/>	2 of:			4312	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4214	4	<input type="checkbox"/>	4421 or 4422	3	<input type="checkbox"/>	4431, 4441,			4313	3	<input type="checkbox"/>
CSE 3 or 4xxx	3	<input type="checkbox"/>				3 or 4xxx	3	<input type="checkbox"/>	4461, 4471	6	<input type="checkbox"/>			
CSE 3 or 4xxx	3	<input type="checkbox"/>												
<b>CSE total: 58</b>				<b>60</b>			<b>58</b>			<b>58</b>			<b>61</b>	
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>
MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>

**General Education courses for Faculty of Science and Engineering:**\*Gen Ed 12 \*\*Lab courses 6 **Additional courses to satisfy credit sub-totals for B.Sc. Specialised Honours:**non-CS, non-MATH 30 3xxx level and 4xxx level 42 SC credits 90 **Additional courses to satisfy 120 credit total for B.Sc. Specialised Honours:**120 

+ CSE/MATH4161 3.0 may not be used to satisfy this requirement.

\*Please obtain a list of acceptable General Education courses from the Science Academic Centre in room 355 Lumbers Building.

\*\* The Lab requirement must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

<i>(no stream)</i>		<b>Communication Networks</b>		<b>Intelligent Systems</b>		<b>Interactive Systems</b>		<b>Software Development</b>	
Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>
CSE/MATH1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>
CSE1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>
CSE1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>
CSE2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>
CSE2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>
CSE2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>
CSE2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>
CSE3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>
CSE3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>
CSE3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>
CSE3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>
CSE3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>
CSE3xxx	3 <input type="checkbox"/>	3213 or 3214	3 <input type="checkbox"/>	3402	3 <input type="checkbox"/>	3461	3 <input type="checkbox"/>	3341	3 <input type="checkbox"/>
		3451	4 <input type="checkbox"/>			3431	3 <input type="checkbox"/>	3421	3 <input type="checkbox"/>
								3461	3 <input type="checkbox"/>
+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4084	6 <input type="checkbox"/>	4081	6 <input type="checkbox"/>	4082	6 <input type="checkbox"/>	4090	6 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4215	3 <input type="checkbox"/>	4401 or 4402	3 <input type="checkbox"/>	2 of:		4312	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4214	4 <input type="checkbox"/>	4421 or 4422	3 <input type="checkbox"/>	4431, 4441,		4313	3 <input type="checkbox"/>
CSE 3 or 4xxx	3 <input type="checkbox"/>			3 or 4xxx	3 <input type="checkbox"/>	4461, 4471	6 <input type="checkbox"/>		
CSE 3 or 4xxx	3 <input type="checkbox"/>								
<b>CSE total: 58</b>		<b>60</b>		<b>58</b>		<b>58</b>		<b>61</b>	
MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>
MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>
MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>
MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>
MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>

**General Education courses for Faculty of Arts:**

SOSC 1xxx or HUMA 1xxx 9

SOSC 2xxx or HUMA 2xxx 9

Area I or Area II (if not satisfied by SOSC/HUMA above)

NATS 6

**Electives:**

Courses outside major and other requirements 18

**Additional courses to satisfy credit sub-totals for Faculty of Arts:**

non-CS, non-MATH 30

4000-level 18

3000+4000 level 36

**Additional courses to satisfy 120 credit total for Faculty of Arts:**

120

+ CSE/MATH4161 3.0 may not be used to satisfy this requirement.

<i>(no stream)</i>		<b>Communication Networks</b>		<b>Intelligent Systems</b>		<b>Interactive Systems</b>		<b>Software Development</b>	
Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>
CSE/MATH1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>
CSE1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>
CSE1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>
CSE2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>
CSE2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>
CSE2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>
CSE2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>
CSE3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>
CSE3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>
CSE3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>
CSE3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>
CSE3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>
CSE3xxx	3 <input type="checkbox"/>	3213 or 3214	3 <input type="checkbox"/>	3402	3 <input type="checkbox"/>	3461	3 <input type="checkbox"/>	3341	3 <input type="checkbox"/>
		3451	4 <input type="checkbox"/>			3431	3	3421	3 <input type="checkbox"/>
								3461	3
+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4084	6 <input type="checkbox"/>	4081	6 <input type="checkbox"/>	4082	6 <input type="checkbox"/>	4090	6 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4215	3 <input type="checkbox"/>	4401 or 4402	3 <input type="checkbox"/>	2 of:		4312	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4214	4 <input type="checkbox"/>	4421 or 4422	3 <input type="checkbox"/>	4431, 4441,		4313	3 <input type="checkbox"/>
CSE 3 or 4xxx	3 <input type="checkbox"/>			3 or 4xxx	3 <input type="checkbox"/>	4461, 4471	6 <input type="checkbox"/>		
CSE 3 or 4xxx	3 <input type="checkbox"/>								
<b>CSE total: 58</b>		<b>60</b>		<b>58</b>		<b>58</b>		<b>61</b>	
MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>
MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>
MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>
MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>
MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>

**General Education courses for Faculty of Atkinson:**

- SOSC 1xxx 6
- HUMA 1xxx 6
- NATS 1xxx 6
- MATH or MODR 1xxx 6

**Additional courses to satisfy credit sub-totals for Faculty of Atkinson:**

- non-CS, non-MATH 30
- non-CS 3xxx or 4xxx, or in the case of MATH, 2xxx or above 18

**Additional courses to satisfy 120 credit total for Faculty of Atkinson:**

120

+ CSE/MATH4161 3.0 may not be used to satisfy this requirement.

<i>(no stream)</i>		<b>Communication Networks</b>		<b>Intelligent Systems</b>		<b>Interactive Systems</b>		<b>Software Development</b>	
Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>	Course	Cr. <input checked="" type="checkbox"/>
CSE/MATH1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>	1019	3 <input type="checkbox"/>
CSE1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>	1020	3 <input type="checkbox"/>
CSE1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>	1030	3 <input type="checkbox"/>
CSE2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>	2001	3 <input type="checkbox"/>
CSE2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>	2011	3 <input type="checkbox"/>
CSE2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>	2021	4 <input type="checkbox"/>
CSE2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>	2031	3 <input type="checkbox"/>
CSE3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>	3000	3 <input type="checkbox"/>
CSE3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>	3101	3 <input type="checkbox"/>
CSE3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>	3221	3 <input type="checkbox"/>
CSE3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>	3311	3 <input type="checkbox"/>
CSE3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>	3401	3 <input type="checkbox"/>
CSE3xxx	3 <input type="checkbox"/>	3213 or 3214	3 <input type="checkbox"/>	3402	3 <input type="checkbox"/>	3461	3 <input type="checkbox"/>	3341	3 <input type="checkbox"/>
		3451	4 <input type="checkbox"/>			3431	3	3421	3 <input type="checkbox"/>
								3461	3 <input type="checkbox"/>
+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>	+CSE41xx	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4084	6 <input type="checkbox"/>	4081	6 <input type="checkbox"/>	4082	6 <input type="checkbox"/>	4090	6 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4215	3 <input type="checkbox"/>	4401 or 4402	3 <input type="checkbox"/>	2 of:		4312	3 <input type="checkbox"/>
CSE4xxx	3 <input type="checkbox"/>	4214	4 <input type="checkbox"/>	4421 or 4422	3 <input type="checkbox"/>	4431, 4441,		4313	3 <input type="checkbox"/>
CSE 3 or 4xxx	3 <input type="checkbox"/>			3 or 4xxx	3 <input type="checkbox"/>	4461, 4471	6 <input type="checkbox"/>		
CSE 3 or 4xxx	3 <input type="checkbox"/>								
<b>CSE total: 58</b>		<b>60</b>		<b>58</b>		<b>58</b>		<b>61</b>	
MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>	MATH1090	3 <input type="checkbox"/>
MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>	MATH1300	3 <input type="checkbox"/>
MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>	MATH1310	3 <input type="checkbox"/>
MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>	MATH1025	3 <input type="checkbox"/>
MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>	MATH2030	3 <input type="checkbox"/>

**General Education courses for Faculty of Atkinson:**

- SOSC 1xxx 6
- HUMA 1xxx 6
- \*NATS 1xxx 6
- MATH or MODR 1xxx 6

**Additional courses to satisfy credit sub-totals for Faculty of Atkinson:**

- 2xxx Level courses in SC 6
- non-CS, non-MATH 30
- total 3000- plus 4000- level credit 39

**Additional courses to satisfy 120 credit total for Faculty of Atkinson:**

120

+ CSE/MATH4161 3.0 may not be used to satisfy this requirement.

\* The NATS requirement must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

<i>(no stream)</i>			<b>Communication Networks</b>			<b>Intelligent Systems</b>			<b>Interactive Systems</b>		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>
			3213 or 3214	3	<input type="checkbox"/>	3402	3	<input type="checkbox"/>	3431	3	<input type="checkbox"/>
			3451	4	<input type="checkbox"/>				3461	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4084	6	<input type="checkbox"/>	4081	6	<input type="checkbox"/>	4082	6	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>							any 2 of:		
CSE4xxx	3	<input type="checkbox"/>	4214	4	<input type="checkbox"/>	4401 or 4402	3	<input type="checkbox"/>	4431, 4441, 4461,		
CSE4xxx	3	<input type="checkbox"/>	4215	3	<input type="checkbox"/>	4421 or 4422	3	<input type="checkbox"/>	4471	6	<input type="checkbox"/>
<b>CSE total: 49</b>				<b>57</b>			<b>52</b>			<b>55</b>	
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>

**General Education courses for Faculty of Science and Engineering:**

- \*Gen Ed 12
- \*\*Lab courses 6

**Additional courses to satisfy credit sub-totals for B.Sc. Honours:**

- non-CS, non-MATH 30
- 3xxx level and 4xxx level 42
- \*\*\*SC credits 90

**Additional courses to satisfy 120 credit total for B.Sc. Honours:**

120

\* Obtain a list of acceptable General Education courses from Science Academic Services, rm. 355 Lumbers.

\*\* The Lab requirement must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

\*\*\* A linear algebra course such as MATH1025 3.00 is highly recommended.

<i>(no stream)</i>			<b>Communication Networks</b>			<b>Intelligent Systems</b>			<b>Interactive Systems</b>		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>	3401	3	<input type="checkbox"/>
			3213 or 3214	3	<input type="checkbox"/>	3402	3	<input type="checkbox"/>	3431	3	<input type="checkbox"/>
			3451	4	<input type="checkbox"/>				3461	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>							4082	6	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4084	6	<input type="checkbox"/>	4081	6	<input type="checkbox"/>	any 2 of:		
CSE4xxx	3	<input type="checkbox"/>	4214	4	<input type="checkbox"/>	4401 or 4402	3	<input type="checkbox"/>	4431, 4441, 4461,		
CSE4xxx	3	<input type="checkbox"/>	4215	3	<input type="checkbox"/>	4421 or 4422	3	<input type="checkbox"/>	4471	6	<input type="checkbox"/>
<b>CSE total: 49</b>				<b>57</b>			<b>52</b>			<b>55</b>	
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>

**General Education courses for Faculty of Arts:**

SOSC 1xxx or HUMA 1xxx 9

SOSC 2xxx or HUMA 2xxx 9

Area I or Area II (if not satisfied by SOSC/HUMA above)

NATS 6

**Electives:**

courses outside the major and other requirements 18

**Additional courses to satisfy credit sub-totals for Faculty of Arts:**

non-CS, non-MATH 30

4000-level 18

3000+4000 level 36

**Additional courses to satisfy 120 credit total for Faculty of Arts:**

\* 120

\* A linear algebra course such as MATH1025 3.00 is highly recommended.

Faculty of Sc. & Eng.			Faculty of Arts		
<i>iB.Sc. Degree</i>			<i>iB.A. Degree</i>		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	CSE/MATH1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	CSE1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	CSE1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	CSE2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	CSE2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	CSE2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	CSE2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	CSE3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	CSE3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	CSE3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	CSE3311	3	<input type="checkbox"/>
CSE3401	3	<input type="checkbox"/>	CSE3401	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	CSE4xxx	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	CSE4xxx	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	CSE4xxx	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	CSE4xxx	3	<input type="checkbox"/>
<b>CSE total: 49</b>			<b>49</b>		
MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>
<b>International Component</b>			<b>International Component</b>		
language courses	12	<input type="checkbox"/>	language courses	18	
international studies	18	<input type="checkbox"/>	international studies	12	
exchange term			exchange term		
<b>General Education</b>			<b>General Education</b>		
*Gen Ed	12	<input type="checkbox"/>	SOSC or HUMA 1xxx	9	<input type="checkbox"/>
**Lab courses	6	<input type="checkbox"/>	SOSC or HUMA 2xxx	9	<input type="checkbox"/>
			Area I or Area II (if not already satisfied)		<input type="checkbox"/>
			NATS	6	<input type="checkbox"/>
			Electives (satisfied under language courses above)		
<b>Additional courses to satisfy credit sub-totals</b>					
3xxx- and 4xxx-level	42	<input type="checkbox"/>			
SC credits	90	<input type="checkbox"/>			

\* Obtain a list of acceptable General Education courses from Science Academic Services, rm. 355 Lumbers. May be satisfied by international studies courses.

\*\* The Lab requirement for FSE iB.Sc. must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

Faculty of Sc. & Eng.			Faculty of Arts			Faculty of Atkinson			Faculty of Atkinson		
B.Sc. Degree			B.A. Degree			B.Sc. Degree			B.A. Degree		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE3213	3	<input type="checkbox"/>	3213	3	<input type="checkbox"/>	3213	3	<input type="checkbox"/>	3213	3	<input type="checkbox"/>
CSE3214	3	<input type="checkbox"/>	3214	3	<input type="checkbox"/>	3214	3	<input type="checkbox"/>	3214	3	<input type="checkbox"/>
CSE3421	3	<input type="checkbox"/>	3421	3	<input type="checkbox"/>	3421	3	<input type="checkbox"/>	3421	3	<input type="checkbox"/>
CSE3481	3	<input type="checkbox"/>	3481	3	<input type="checkbox"/>	3481	3	<input type="checkbox"/>	3481	3	<input type="checkbox"/>
CSE4161	3	<input type="checkbox"/>	4161	3	<input type="checkbox"/>	4161	3	<input type="checkbox"/>	4161	3	<input type="checkbox"/>
CSE4413	3	<input type="checkbox"/>	4413	3	<input type="checkbox"/>	4413	3	<input type="checkbox"/>	4413	3	<input type="checkbox"/>
CSE4481	4	<input type="checkbox"/>	4481	4	<input type="checkbox"/>	4481	4	<input type="checkbox"/>	4481	4	<input type="checkbox"/>
CSE4482	3	<input type="checkbox"/>	4482	3	<input type="checkbox"/>	4482	3	<input type="checkbox"/>	4482	3	<input type="checkbox"/>
<b>CSE total:</b>	<b>59</b>		<b>59</b>			<b>59</b>			<b>59</b>		
MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1131	3	<input type="checkbox"/>	MATH1131	3	<input type="checkbox"/>	MATH1131	3	<input type="checkbox"/>	MATH1131	3	<input type="checkbox"/>
MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>	MATH1300	3	<input type="checkbox"/>
MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>	MATH1310	3	<input type="checkbox"/>
MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>	MATH2030	3	<input type="checkbox"/>
*PHIL2075 or STS3500	3	<input type="checkbox"/>	PHIL2075 or STS3500	3	<input type="checkbox"/>	PHIL2075 or STS3500	3	<input type="checkbox"/>	PHIL2075 or STS3500	3	<input type="checkbox"/>
<b>General Education</b>			<b>General Education</b>			<b>General Education</b>			<b>General Education</b>		
*+Gen Ed	12	<input type="checkbox"/>	SOSC or HUMA 1xxx	9	<input type="checkbox"/>	SOSC 1xxx	6	<input type="checkbox"/>	SOSC 1xxx	6	<input type="checkbox"/>
**Lab courses	6	<input type="checkbox"/>	+ SOSC or HUMA 2xxx	9	<input type="checkbox"/>	HUMA 1xxx	6	<input type="checkbox"/>	HUMA 1xxx	6	<input type="checkbox"/>
			Area I or Area II (if not already satisfied)		<input type="checkbox"/>	** NATS 1xxx	6	<input type="checkbox"/>	NATS 1xxx	6	<input type="checkbox"/>
			NATS	6	<input type="checkbox"/>	MATH/MODR 1xxx	6	<input type="checkbox"/>	MATH/MODR 1xxx	6	<input type="checkbox"/>
			Electives (outside major and requirements)	18	<input type="checkbox"/>	non-CSE SC credits 2000-level or above	6	<input type="checkbox"/>	Electives (outside major and requirements)	18	<input type="checkbox"/>
<b>Additional courses to satisfy credit sub-totals:</b>											
non-CS, non-MATH	30	<input type="checkbox"/>	non-CS, non-MATH	30	<input type="checkbox"/>	non-CS, non-MATH	30	<input type="checkbox"/>	non-CS, non-MATH	30	<input type="checkbox"/>
3000- and 4000-level	42	<input type="checkbox"/>	4000-level	18	<input type="checkbox"/>						
SC credits	90	<input type="checkbox"/>									
<b>Total Credits:</b>	<b>120</b>		<b>120</b>			<b>120</b>			<b>120</b>		

\* Please obtain a list of acceptable FSE General Education courses from Science Academic Services, rm. 355 Lumbers Building. If PHIL2075 is taken 9 credits more are required to satisfy the general education requirement.

+ SOSC2312 9.0 or SOSC2340 9.0 are highly recommended.

\*\* The Lab requirement for FSE B.Sc. and the NATS requirement for the Atkinson BSc degree must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

**CSE Minor (BSc, BA). Must be paired with an**  
honours major for a total of 120 credits

<b>B.Sc.</b>			<b>B.A. Degree</b>		
<b>Course</b>	<b>Cr.</b>		<b>Course</b>	<b>Cr.</b>	
CSE/MATH	3	<input type="checkbox"/>	CSE/MATH1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	CSE1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	CSE1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	CSE2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	CSE2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	CSE2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	CSE2031	3	<input type="checkbox"/>
CSE3xxx or	9	<input type="checkbox"/>	CSE3xxx or 4xxx	9	<input type="checkbox"/>
<b>CSE total:</b>	<b>31</b>	<input type="checkbox"/>		<b>31</b>	<input type="checkbox"/>
<b>General Education</b>			<b>General Education</b>		
*Gen Ed	12	<input type="checkbox"/>	SOSC or HUMA 1xxx	9	<input type="checkbox"/>
**Lab	6	<input type="checkbox"/>	SOSC or HUMA 2xxx	9	<input type="checkbox"/>
			NATS	6	<input type="checkbox"/>
Additional courses to satisfy credit sub-totals for a B.Sc. Honours:			Additional courses to satisfy credit sub-totals for a BA Honours:		
3000+4000 level	42	<input type="checkbox"/>	4000-level	18	<input type="checkbox"/>
SC credits	90	<input type="checkbox"/>	3000+4000 level	36	<input type="checkbox"/>

\*Please obtain a list of acceptable General Education courses from the Science Academic Centre in room 355 Lumbers Building.

\*\* The Lab requirement must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

**Fine Arts Cultural Studies  
Specialized Honours BA in Digital Media**

**Suggested Year 1 Progression (30.0 Credits)**

MATH 1190 3.0		3.00		SOSC 1310 9.0 <b>OR</b> SOSC 1731 9.0		9.00	
CSE 1710 3.0		3.00		FACS 2930 6.0		6.00	
CSE 1720 3.0		3.00		FACS 1900 6.0		6.00	

**Suggested Year 2 Progression (30.0 Credits)**

MATH 1025 3.0		3.00		CSE 1019 3.0		3.00	
MATH 2565 3.0 <b>OR</b> MATH 1131 3.0		3.00		CSE 1030 3.0		3.00	
FACS 2935 3.0		3.00		CSE 2011 3.0		3.00	
FACS 2936 3.0		3.00		CSE 2031 3.0		3.00	
FACS 3931 3.0 <b>OR</b> VISA 2057 3.0		3.00		3.0 Credit Elective <sup>1</sup>		3.00	

**Suggested Year 3 Progression (30.0 Credits)**

<b>9.0 Credits Chosen from:</b> CSE 3431 3.0		9.00		FACS 3930 3.0		3.00	
CSE 3461 3.0				FACS 3935 3.0		3.00	
CSE 3213 3.0 CSE 3421 3.0				FACS 3936 3.0		3.00	
6 Credit Elective <sup>2</sup>		6.00		NATS 6.0		6.00	

**Suggested Year 4 Progression (30.0 Credits)**

CSE 4700 6.0		6.00		<b>6.0 Credits chosen from</b>		6.00	
<b>6.0 Credits chosen from</b> SOSC 4300 6.0 SOSC 4301 6.0 SOSC 4302 6.0 SOSC 4305 6.0 SOSC 4314 6.0 SOSC 4319 6.0 SOSC 4320 6.0 SOSC 4330 6.0 SOSC 4801 6.0		6.00		FACS 4930 3.0 FACS 4931 3.0 FACS 4932 3.0 FACS 4935 3.0			
				<b>6.0 Credits chosen from</b> CSE 4413 3.0 CSE 4431 3.0 CSE 4441 3.0 CSE 4461 3.0 CSE 4471 3.0 CSE 4491 3.0		6.00	
				<b>6.0 Credits more from any of the above FACS or CSE courses (4000 level)</b>		6.00	

**Total Number of Credits**

**114.00**

<sup>1</sup> FA/FACS 2500 3.0 - Contemporary Arts and Technologies is recommended

<sup>2</sup> For Fine Arts Majors: FA/VISA 3054 6.0 - Time-Based Art: Interactive Screen is recommended

**Note:** The Social Science general education requirement is satisfied through 6.0 SOSC credits that are part of the degree.

**Note:** FA/FACS 1900 6.0 is required for all Fine Arts degrees, and may be used to satisfy the Humanities requirement.

**Note:** The Faculty of Fine Arts Elective Requirements are fulfilled upon successful completion of the Digital Media Specialized Honours BA Program requirements.

**Note:** Faculty of Fine Arts legislation requires that, in order to obtain an Honours BA (120 credits), students must take at least 24 credits at the 3000 or 4000 level in each Honours Major of Specialized Honours Major

**Additional credits as needed to reach a minimum total of 120 credits.**

**Note:** To meet the pre-requisites some students may be required to take more than 120 credits.

**Science and Engineering  
Specialized Honours BA in Digital Media**

**Suggested Year 1 Progression (30.0 Credits)**

MATH 1190 3.0		3.00		SOSC 1310 9.0 OR SOSC 1731 9.0		9.00	
CSE 1710 3.0		3.00		FACS 2930 6.0		6.00	
CSE 1720 3.0		3.00		FACS 1900 6.0		6.00	

**Suggested Year 2 Progression (30.0 Credits)**

MATH 1025 3.0		3.00		CSE 1019 3.0		3.00	
MATH 2565 3.0 OR MATH 1131 3.0		3.00		CSE 1030 3.0		3.00	
FACS 2935 3.0		3.00		CSE 2011 3.0		3.00	
FACS 2936 3.0		3.00		CSE 2031 3.0		3.00	
FACS 3931 3.0 OR VISA 2057 3.0		3.00		3.0 Credit Elective <sup>1</sup>		3.00	

**Suggested Year 3 Progression (33.0 Credits)**

<b>9.0 Credits Chosen from:</b> CSE 3431 3.0		9.00		FACS 3930 3.0		3.00	
				FACS 3935 3.0		3.00	
				FACS 3936 3.0		3.00	
CSE 3461 3.0 CSE 3213 3.0 CSE 3421 3.0							
2000 HUMA Foundations course		9.00		NATS 6.0		6.00	

**Suggested Year 4 Progression (30.0 Credits)**

CSE 4700 6.0		6.00		<b>6.0 Credits chosen from</b>		6.00		
<b>6.0 Credits chosen from</b> SOSC 4300 6.0 SOSC 4301 6.0 SOSC 4302 6.0 SOSC 4305 6.0 SOSC 4314 6.0 SOSC 4319 6.0 SOSC 4320 6.0 SOSC 4330 6.0 SOSC 4801 6.0		6.00			FACS 4930 3.0 FACS 4931 3.0 FACS 4932 3.0 FACS 4935 3.0			
				<b>6.0 Credits chosen from</b> CSE 4413 3.0 CSE 4431 3.0 CSE 4441 3.0 CSE 4461 3.0 CSE 4471 3.0 CSE 4491 3.0		6.00		
					<b>6.0 Credits more from any of the above FACS or CSE courses (4000 level)</b>		6.00	

**Total Number of Credits 117.00**

**Additional credits as needed to reach a minimum total of 120 credits.**

<sup>1</sup> FA/FACS 2500 3.0 - Contemporary Arts and Technologies is recommended

**Note: The BA Elective Requirements are fulfilled upon successful completion of the above 117 credits.**

**Note: SC/MATH 1190 3.00 must be taken if the student has not passed 12U Geometry and Discrete Math**

**Note: To meet the pre-requisites some students may be required to take more than 120 credits.**