

<i>(no stream)</i>			Communication Networks			Intelligent Systems			Interactive Systems			Software Development		
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"/>												
CSE total: 58				60			58			58			61	
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 the BSc:

*Gen Ed	12	<input type="checkbox"/>
**Lab courses	6	<input type="checkbox"/>

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

non-CS, non-MATH	30	<input type="checkbox"/>
3xxx level and 4xxx level	42	<input type="checkbox"/>
SC credits	90	<input type="checkbox"/>

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; PHYS 1420 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

(no stream)			Communication Networks			Intelligent Systems			Interactive Systems			Software Development		
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"/>												
CSE total: 58				60			58			58			61	
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 the BA:

24 credits of **General Education** chosen from approved **Humanities, Modes of Reasoning, Natural Science and Social Science** courses at the 1000 and/or 2000-level, including a **minimum of six credits in each of Humanities, Natural Science and Social Science. A maximum of 9 credits in each of the four areas** (Humanities, Modes of Reasoning, Natural Science and Social Science) will count towards fulfillment of General Education requirements.

- SOSC
- HUMA
- MODES
- NATS

Electives: Courses outside major and other requirements 18

Additional courses to satisfy credit sub-totals for the BA:

- non-CS, non-MATH 30
- 4000-level 18
- 3000+4000 level 36

Additional courses to satisfy 120 credit total: 120

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

<i>(no stream)</i>			Communication Networks		Intelligent Systems		Interactive Systems	
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"/>
CSE1020	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"/>
CSE2001	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"/>
CSE2021	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"/>
CSE3000	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"/>
CSE3221	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"/>
CSE3401	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"/>
			3451	4	<input type="checkbox"/>			<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4084	6	<input type="checkbox"/>	4081	6	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>						
CSE4xxx	3	<input type="checkbox"/>	4214	4	<input type="checkbox"/>	4401 or 4402	3	<input type="checkbox"/>
CSE4xxx	3	<input type="checkbox"/>	4215	3	<input type="checkbox"/>	4421 or 4422	3	<input type="checkbox"/>
CSE total: 49				57			52	
								55
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"/>
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"/>

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; PHYS 1420 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>			<i>Communication Networks</i>			<i>Intelligent Systems</i>			<i>Interactive Systems</i>		
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,		
CSE4xxx	3	<input type="checkbox"/>	4215	3	<input type="checkbox"/>	4421 or 4422	3	<input type="checkbox"/>	4461, or 4471	6	<input type="checkbox"/>
CSE total: 49				57			52			55	
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"/>

24 credits of **General Education** chosen from approved **Humanities, Modes of Reasoning, Natural Science and Social Science** courses at the 1000 and/or 2000-level, including a **minimum of six credits in each of Humanities, Natural Science and Social Science**. A **maximum of 9 credits in each of the four areas** (Humanities, Modes of Reasoning, Natural Science and Social Science) will count towards fulfillment of General Education requirements.

- SOSC
- HUMA
- MODES
- NATS

Electives: Courses outside major and other requirements 18

Additional Requirements for the Honours BA:

- non-CS, non-MATH 30
- 4000-level 18
- 3000+4000 level 36

Additional courses to satisfy 120 credit total: 120

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

Faculty of Sc. & Eng.

<i>iBSc Degree</i>			<i>iBA 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"/>
CSE total:	49			49	
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"/>
International Component			International Component		
language courses	12	<input type="checkbox"/>	language courses	18	<input type="checkbox"/>
international studies	18	<input type="checkbox"/>	international studies	12	<input type="checkbox"/>
exchange term			exchange term		
General Education			General Education		
*Gen Ed	12	<input type="checkbox"/>			
**Lab courses	6	<input type="checkbox"/>	24 credits; See Honours BA.	24	<input type="checkbox"/>

Credit Totals (120), Upper Level and Other Requirements are precisely as in the BA or BSc Honours degrees respectively

* 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 must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; PHYS 1420 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

Faculty of Science & Engineering

BSc Degree			BA Degree		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3000	3	<input type="checkbox"/>	3000	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE3213	3	<input type="checkbox"/>	3213	3	<input type="checkbox"/>
CSE3214	3	<input type="checkbox"/>	3214	3	<input type="checkbox"/>
CSE3421	3	<input type="checkbox"/>	3421	3	<input type="checkbox"/>
CSE3481	3	<input type="checkbox"/>	3481	3	<input type="checkbox"/>
CSE4161	3	<input type="checkbox"/>	4161	3	<input type="checkbox"/>
CSE4413	3	<input type="checkbox"/>	4413	3	<input type="checkbox"/>
CSE4481	4	<input type="checkbox"/>	4481	4	<input type="checkbox"/>
CSE4482	3	<input type="checkbox"/>	4482	3	<input type="checkbox"/>
CSE total:	59			59	
MATH1025	3	<input type="checkbox"/>	MATH1025	3	<input type="checkbox"/>
MATH1090	3	<input type="checkbox"/>	MATH1090	3	<input type="checkbox"/>
MATH1131	3	<input type="checkbox"/>	MATH1131	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"/>
*PHIL2075 or STS3500	3	<input type="checkbox"/>	PHIL2075 or STS3500	3	<input type="checkbox"/>
General Education			General Education		
*+Gen Ed	12	<input type="checkbox"/>			
**Lab courses	6	<input type="checkbox"/>	See Honours BA Degree	24	<input type="checkbox"/>
Additional courses to satisfy credit sub-totals:					
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"/>			
Total Credits:	120	<input type="checkbox"/>		120	<input type="checkbox"/>

* 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 must be fulfilled by taking 6 credits from the following: BIOL 1010 6.00; PHYS 1010 6.00; PHYS 1410 6.00; PHYS 1420 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

Faculty: Science and Engineering

CSE Minor (BSc, BA). Must be paired 2009-10 Checklist
with an honours major for a total of 120

B.Sc. Degree			B.A. Degree		
Course	Cr.		Course	Cr.	
CSE/MATH 1019	3	<input type="checkbox"/>	CSE/MATH 1019	3	<input type="checkbox"/>
CSE1710	3	<input type="checkbox"/>	CSE1710	3	<input type="checkbox"/>
CSE1720	3	<input type="checkbox"/>	CSE1720	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	CSE1030	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	CSE2011	3	<input type="checkbox"/>
At least 15 CSE credits with 2nd digit not 5; nine credits must be CSE3xxx or CSE4xxx	15	<input type="checkbox"/>	At least 15 CSE credits with 2nd digit not 5; nine credits must be CSE3xxx or CSE4xxx	15	<input type="checkbox"/>
CSE total:	30	<input type="checkbox"/>	30		<input type="checkbox"/>
General Education *	12	See Honours BSc checklist	General Education	24	See Honours BA checklist
**Lab courses	6	See Honours BSc checklist			
Additional courses to satisfy credit sub- totals for a B.Sc. Honours:			Additional courses to satisfy credit sub- totals for a BA Honours:		

*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; PHYS 1420 6.00; CHEM
1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

Note: SC/CSE 1020 3.00 can be substituted for the pair SC/CSE1710
3.00 and SC/CSE1720 3.00 toward satisfying the minor requirements as
long as the credit count for the minor remains 30 minimum

Faculty of Science & Engineering

B.Sc. Degree			B.A. Degree		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE/MATH1019	3	<input type="checkbox"/>	1019	3	<input type="checkbox"/>
CSE1020	3	<input type="checkbox"/>	1020	3	<input type="checkbox"/>
CSE1030	3	<input type="checkbox"/>	1030	3	<input type="checkbox"/>
CSE2001	3	<input type="checkbox"/>	2001	3	<input type="checkbox"/>
CSE2011	3	<input type="checkbox"/>	2011	3	<input type="checkbox"/>
CSE2021	4	<input type="checkbox"/>	2021	4	<input type="checkbox"/>
CSE2031	3	<input type="checkbox"/>	2031	3	<input type="checkbox"/>
CSE3101	3	<input type="checkbox"/>	3101	3	<input type="checkbox"/>
CSE3221	3	<input type="checkbox"/>	3221	3	<input type="checkbox"/>
CSE3311	3	<input type="checkbox"/>	3311	3	<input type="checkbox"/>
CSE34xx	3	<input type="checkbox"/>	34xx	3	<input type="checkbox"/>
CSE3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>
CSE3xxx	3	<input type="checkbox"/>	3xxx	3	<input type="checkbox"/>
CSE total:	40		CSE total:	40	
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"/>
General Education			General Education		
*Gen Ed	12	<input type="checkbox"/>	24 credits of General Education chosen from approved Humanities, Modes of Reasoning, Natural Science and Social Science courses at the 1000 and/or 2000-level, including a minimum of six credits in each of Humanities, Natural Science and Social Science. A maximum of 9 credits in each of the four areas (Humanities, Modes of Reasoning, Natural Science and Social Science) will count towards fulfillment of General Education requirements.		
**Lab courses	6	<input type="checkbox"/>			
Electives (outside CSE and not otherwise required)	18	<input type="checkbox"/>			
SC credits:	66	<input type="checkbox"/>			
Total Credits:	90	<input type="checkbox"/>	Total Credits:	90	<input type="checkbox"/>

- SOSC
- HUMA
- MODES
- NATS

* Obtain a list of acceptable FSE General Education courses from the Science Academic Centre in rm 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; PHYS 1420 6.00; CHEM 1000 3.00 and CHEM 1001 3.00; or EATS 1010 3.00 and EATS 1011 3.00

**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 ¹		3.00	

Suggested Year 3 Progression (33.0 Credits)

9.0 Credits Chosen from: 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		6.0 Credits chosen from		6.00		
6.0 Credits chosen from 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			
				6.0 Credits chosen from 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		
					6.0 Credits more from any of the above FACS or CSE courses (4000 level)		6.00	

Total Number of Credits 117.00

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

¹ 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.

**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 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 ¹		3.00	

Suggested Year 3 Progression (30.0 Credits)

9.0 Credits Chosen from: 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 ²			NATS 6.0			6.00

Suggested Year 4 Progression (30.0 Credits)

CSE 4700 6.0		6.00		6.0 Credits chosen from FACS 4930 3.0 FACS 4931 3.0 FACS 4932 3.0 FACS 4935 3.0		6.00			
6.0 Credits chosen from 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			6.0 Credits chosen from 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	
				6.0 Credits more from any of the above FACS or CSE courses (4000 level)			6.00		

Total Number of Credits 114.00

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

² 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 Sepcialized 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.