

<i>(no stream)</i>			<i>Communication Networks</i>			<i>Intelligent Systems</i>			<i>Interactive Systems</i>			<i>Software Development</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"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input 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: 59			61			59			59			62		
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 **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; 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"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input 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: 59			61			59			59			62		
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.

Faculty of Science & Engineering

BSc Degree			BA Degree		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input 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:	60			60	
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

Specialized Honours BA in Digital Media Degree Checklist

2010-11

- applies to students enrolled with the Faculty of Science and Engineering (FSE)
 applies to students enrolled with the Faculty of Fine Arts (FFA)

Suggested Year 1 Progression (30 Credits) §							
FACS 1900 6.0		6.0		CSE 1710 3.0		3.0	
FACS 2930 6.0		6.0		CSE 1720 3.0		3.0	
9.0 credits chosen from: COMN 1310 9.0 SOSC 1731 9.0		9.0		Completed MHF4U? Y→Elective† N→MATH 1190 3.0		3.0	
Suggested Year 2 Progression (30 Credits) §							
FACS 2935 3.0		3.0		FACS 2936 3.0		3.0	
MATH 1025 3.0		3.0		6.0 Credits Electives†		3.0	
CSE/MATH 1019 3.0		3.0				3.0	
CSE 1030 3.0		3.0		3.0 credits chosen from: MATH 1131 3.0 MATH 2565 3.0		3.0	
CSE 2011 3.0		3.0					
CSE 2031 3.0		3.0					
Suggested Year 3 Progression (30 Credits) §							
FACS 3936 3.0		3.0	◇	9.0 Credits Electives†		3.0	
9.0 credits chosen from: FACS 3930 3.0 FACS 3931 3.0 FACS 3933 3.0 FACS 3935 3.0 FACS 3938 3.0 VISA 2057 3.0		3.0	◇			3.0	
		3.0		9.0 credits chosen from: either CSE 2041 3.0 or CSE 3214 3.0 CSE 3421 3.0 CSE 3431 3.0 CSE 3461 3.0		3.0	◇
		3.0				3.0	
		3.0				3.0	
Suggested Year 4 Progression (30 Credits) §							
6.0 credits chosen from: FACS 4930 3.0 FACS 4931 3.0 FACS 4932 3.0 FACS 4933 3.0 FACS 4935 3.0		3.0		CSE 4700 6.0		6.0	
		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		3.0	
6.0 Credits Electives†		3.0				3.0	
		3.0				3.0	
6.0 credits chosen from: COMN 4300 6.0 COMN 4301 6.0 COMN 4302 6.0 COMN 4305 6.0	COMN 4319 6.0 COMN 4320 6.0 COMN 4330 6.0 COMN 4801 6.0					6.0	

Important Notes

† Choice of electives is subject to the condition that at least **one** of the following be satisfied for faculty-specific *General Education* requirements:

FSE students:

- 6.0 credits in NATS and 9.0 credits in HUMA.
- Alternatively, (this avenue requires 3 additional credits) 6.0 credits in each of NATS, HUMA, and MODR.

FFA students:

- at least 6.0 credits chosen from: NATS, BIOL, CHEM, SC/STS, EATS, PHAS, ENVS1500 6.0.

For both FFA and FSE, read notes ‡, § below. FACS 2500 3.0 Contemporary Arts is recommended.

- ‡ Additional specialized planning required for these courses; please see an academic advisor.
- ◇ Indicates courses that are required to be eligible for the Technology Internship Program (TIP). A cumulative GPA of 6.0 (B) or better in the program's core courses is also required. Students must have at least 18 credits remaining in their degree (see a TIP advisor for further info).
- § Pre-requisites not shown here; please check course descriptions and/or see an academic advisor.

Faculty of Science and Engineering
Engineering – Computer Engineering Stream, 2010-11 Requirements
BASc Honours, Specialised Honours Program
12 Credits General Education

CHEM1000 3.0 EATS1010 3.0 PHYS1010 6.0
CSE1020 3.0 + 1030 3.0
ENG1000 6.0 + ENG 1001 1.0
MATH1013 3.0 MATH1014 3.0 MATH1019 3.0 MATH1025 3.0 MATH1090 3.0

CSE 2001 3.0 CSE 2011 3.0 CSE 2021 4.0 CSE 2031 3.0
ENG2001 3.0 + 2002 3.0
ENVS 2150 3.0
MATH 2015 3.0 MATH 2030 3.0
PHYS 2020 3.0 PHYS 2211 1.0

6 credits from: BIOL 1010 6.0 CHEM 1001 3.0 CHEM 2011 3.0
EATS 1011 3.0 PHYS 1070 3.0 PHYS 2010 3.0 PHYS 2040 3.0 PHYS 2060 3.0

CSE 3101 3.0 CSE 3201 4.0 CSE 3213 3.0 CSE 3215 4.0 CSE 3221 3.0
CSE 3311 3.0 CSE 3451 4.0
ENG 3000 3.0 ENG2211 1.0
PHYS 3050 3.0 PHYS 3150 3.0

3 additional credits from Computer Science courses at the 3000 or 4000 level.

Note: If the optional internship program is taken, this must be reflected by enrolment in ENG 3900 0.0 (Engineering Internship Term) in each term of the internship.

CSE 4201 3.0 CSE 4214 4.0 CSE 4312 3.0 ENG 4000 6.0
12 credits from the following, including at least two courses with significant lab component, flagged with an asterisk:
CSE 3214 3.0, CSE 3431 3.0, CSE 4210 3.0*, CSE 4211 3.0, CSE 4215 3.0*, CSE 4313 3.0, CSE 4352 3.0*, CSE 4421 3.0*, CSE 4422 3.0*, CSE 4431 3.0*, CSE 4441 3.0, CSE 4452 3.0*, CSE 4471 3.0*, ENG 3320 3.0, ENG 4550 3.0

<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"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input 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"/>			
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: 50			58			53		
								56
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>			Communication Networks			Intelligent Systems			Interactive Systems		
Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>	Course	Cr.	<input checked="" type="checkbox"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input type="checkbox"/>	1001	1	<input 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: 50				58			53			56	
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"/>
CSE1001	1	<input type="checkbox"/>	CSE1001	1	<input 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: 50			50		
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		
*Gen Ed	12	<input type="checkbox"/>	General Education		
**Lab courses	6	<input type="checkbox"/>	24 credits; See Honours BA.	24	<input type="checkbox"/>

Credit Totals (120), Upper Level and Other Requirements: See the BA or BSc Honours degrees

* 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: Science and Engineering

CSE Minor (BSc, BA). Must be paired 2010-11 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"/>
CSE1001	1	<input type="checkbox"/>	1001	1	<input 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:	41		CSE total:	41	
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"/>	SOSC <input type="checkbox"/> HUMA <input type="checkbox"/> MODES <input type="checkbox"/> NATS <input type="checkbox"/>		
SC credits:	66	<input type="checkbox"/>	Electives (outside CSE and not otherwise required)	18	<input type="checkbox"/>
Total Credits:	90	<input type="checkbox"/>	Total Credits:	90	<input type="checkbox"/>

* 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