Degree Checklists

FSE 2005-	-06 Checklist ¹	BSc Degree						
Computer Science Requirements Credit Co								
1000-level	CSE1020 3.0 CSE1030 3.0 CSE1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 9						
2000-level	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031	3.0 13						
3000-level	One course from each area: Theory CSE3101 3 0 Software CSE3311 3.0	6						
	Systems CSE3221 3.0 Applications CSE34	_ 3.0 6						
	Two more courses CSE3 3.0 CSE3	3.0 6						
Faculty Req	<u>uirements</u>							
General Edu	ication Courses:	12						
6 credits from	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS	410 6.0 1011 3.0) 6						

Additional courses as required for an overall total of 66 SC credits within the credit total.

¹ A minimum cumulative grade point average of 4.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

FSE 2005-06 Checklist²

This program includes a Language Proficiency component and a mandatory full time Study Abroad component (minimum one term / with 9 credits per term), plus an optional summer study, research, or internship abroad. Language Proficiency: Students must meet a language proficiency requirement in order to undertake the required exchange term. Proficiency is assessed by York International for all students who apply for a study period abroad, and the same will apply to iBSc students. If a student does not meet the language proficiency they will be required either to postpone the exchange or to choose an exchange experience to a region where they do have the language proficiency.

Computer S	Computer Science Requirements Credit C							
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE10 MATH1	19 3.0 310 3.0	MATH102	5 3.0	9 12	
2000-level	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE20	21 4.0	CSE2031	3.0	13 3	
3000-level	CSE3002 1.0 plu	is one course froi	m each ar	ea belov	V		1	
	Theory CSE3 Systems CSE3	101 3.0 S 221 3.0 A	Software Application	CSE ns CSE	3311 3.0 3401 3.0		6 6	
4000-level	Four courses	CSE4	3.0	CSE4_	3.	0	6	
		CSE4	3.0	CSE4_	3.	0	6	

Faculty Requirements³

General education and elective courses with an international content or perspect (chosen in consultation with an advisor to ensure appropriate international content)	ve
	18
Language courses to prepare students for international placements	12
6 credits from: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)	6
Other Courses Including 1. additional 3000- and 4000-level credits for an overall total of 42	

2. additional SC credits for an overall total of 90

 $^{^2}$ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

³ The other major may include additional general education and 1000-level SC requirements.

FSE 2005-06 Checklist⁴

BSc Honours BSc Honours Double Major Degree BSc Honours Major/Minor (CSE Major) Degree

Computer S	cience Requirem	ents			9	Credit Count
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE10 ² MATH1	19 3.0 310 3.0		9 9
2000-level	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE202	21 4.0	CSE2031 3.0) 13 3
3000-level	CSE3002 1.0 plu	S				1
	Theory CSE3 Systems CSE3	101 3.0 S 221 3.0 A	oftware oplication	CSE3 ns CSE3	311 3.0 401 3.0	6 6
4000-level	Four courses	CSE4	3.0	CSE4	3.0	6
		CSE4	3.0	CSE4	3.0	6
Faculty Req	uirements ⁵					
General Edu	ication Courses:					12
6 credits fron	n: BIOL1010 6.0 (CHEM1000 3.0	BIOL1410 6.0) + CHEM1001 3.	PHYS 0) (EAT	1010 6.0 S1010 3.	PHYS1410 0 + EATS101	0 6.0 1 3.0) 6
			•			

Other Honours Subject (if applicable) and Other Courses Including 1. non-CSE/non-MATH credits for an overall total of 30

Including 1. non-CSE/non-MATH credits for an overall total of 30 2. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

 $^{^4}$ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

⁵ The other major may include additional general education and 1000-level SC requirements.

FSE 2005-06 Checklist⁶

BSc Honours BSc Honours Double Major Degree BSc Honours Major/Minor (CSE Major) Degree

Intelligent Systems Stream

Computer Science Requirements Credit Cou						
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE1019 3.0 MATH1310 3.0)	9 9	
2000-level	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13 3	
3000-level	CSE3002 1.0 plu	S			1	
	Theory CSE3 Systems CSE3	101 3.0 So 3221 3.0 Aj	oftware CSI pplications CSI CSI	E3311 3.0 E3401 3.0 E3402 3.0	6 6 3	
4000-level	Three courses:	CSE4081 6.0	CSE4401 3.0 d	or CSE4402 3.0	9	
		CSE4421 3.0 or	CSE4422 3.0		3	
Faculty Req	uirements ⁷					
General Edu	ication Courses:				12	
6 credits fron	n: BIOL1010 6.0 (CHEM1000 3.0	BIOL1410 6.0) + CHEM1001 3.0	PHYS1010 6)) (EATS1010	.0 PHYS1410 6.0 3.0 + EATS1011 3.) 0) 6	

 Other Honours Subject (if applicable) and Other Courses

 Including
 1. non-CSE/non-MATH credits for an overall total of 30
 2. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

⁶ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

⁷ The other major may include additional general education and 1000-level SC requirements.

FSE 2005-06 Checklist⁸

BSc Honours BSc Honours Double Major Degree BSc Honours Major/Minor (CSE Major) Degree

Interactive Systems Stream

Computer S	cience Requirem	<u>ents</u>			Credit Count
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE1019 3.0 MATH1310 3) 3.0	9 9
2000-level	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3	0 13 3
3000-level	CSE3002 1.0 plu	s			1
	Theory CSE3 Systems CSE3	101 3.0 So 221 3.0 A	oftware C oplications C C	SE3311 3.0 SE3401 3.0 SE3461 3.0	6 6 3
4000-level	Four courses:	CSE4082 6.0			6
And three of	CSE4431 3.0 C	SE4441 3.0 CSE4	1461 3.0 CSE	4471 3.0	9
Faculty Req	uirements ⁹				
General Edu	cation Courses:				. 12
6 credits from: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)					

 Other Honours Subject (if applicable) and Other Courses

 Including
 1. non-CSE/non-MATH credits for an overall total of 30
 2. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

⁸ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

⁹ The other major may include additional general education and 1000-level SC requirements.

FSE 2005-06 Checklist¹⁰

BSc Honours BSc Honours Double Major Degree BSc Honours Major/Minor (CSE Major) Degree

Communication Networks Stream

Computer S	Computer Science Requirements Credit Com							
1000-level	CSE1020 3.0 MATH1090 3.0		CSE1030 3.0 CSE101 MATH1300 3.0 MATH13		3.0 0 3.0		9 9	
2000-level	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0	CSE2021	4.0	CSE2031 3.0) 13 3	
3000-level	CSE3002	1.0 plu	s				1	
	Theory Systems	CSE3 CSE3 CSE3	101 3.0 221 3.0 213 3.0	Software Applications	CSE CSE CSE	3311 3.0 3401 3.0 3451 3.0	6 6 6	
4000-level	Three cou	rses:	CSE4084 6.0				6	
and			CSE4213 3.0	C	CSE42	14 3.0	6	
Faculty Req	uirements	11						
General Edu	cation Co	urses:					12	
6 credits fron	6 credits from: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)						0 6.0 1 3.0) 6	

Other Honours Subject (if applicable) and Other CoursesIncluding1. non-CSE/non-MATH credits for an overall total of 30 2. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

¹⁰ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

¹¹ The other major may include additional general education and 1000-level SC requirements.

FSE 2005-06 Checklist¹²

BSc Honours Major/Minor (CSE Minor) Degree

Computer S	Computer Science (Minor) Requirements Credit Co						
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE1019 3.0 MATH1310 3.0		9 9		
2000-level	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3	.0 13 3		
3000-level	CSE3002 1.0	plus one course f	from each area b	elow	1		
	Theory CSE3 Systems CSE3	101 3.0 Se 221 3.0 A	oftware CSE pplications CSE	3311 3.0 3401 3.0	6 6		
4000-level	Four courses	CSE4;	3.0 CSE4_	3.0	6		
Faculty Requirements ¹³							
General Education Courses:							
6 credits from	6 credits from: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)						

Other Honours Subject and Other Courses

Including 1. additional 3000- and 4000-level credits for an overall total of 42 2. additional SC credits for an overall total of 90

¹² A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

¹³ The other major may include additional general education and 1000-level SC requirements.

FSE 2005	-06 Checklist ¹⁴	BSc Specialised Honours Degree
Computer S	cience Requirements	Credit Count
1000-level:	CSE1020 3.0 CSE1030 3.0 MATH1025 3.0 MATH1090 3.0	CSE 1019 3.0 9 MATH1300 3.0 MATH1310 3.0 12
2000-level:	CSE2001 3.0 CSE2011 3.0 MATH2030 3.0	CSE2021 4.0 CSE2031 3.0 13 3
3000-level	CSE3002 1.0 plus one course fro	m each area below 1
	Theory CSE3101 3.0 Systems CSE3221 3.0	SoftwareCSE3311 3.06ApplicationsCSE3401 3.06
	Two more courses:	
	CSE3 3.0	CSE3 3.0 6
4000-level:	CSE4101 3.0 or CSE4111 3.0	or CSE4115 3.0 3
	CSE4 3.0 CSE4_	3.0 CSE43.0 9
Two courses	(3000- or 4000-level)	
	CSE 3.0	CSE3.0 6
Faculty Req	uirements	
General Edu	ucation Courses:	12
6 credits fror	n: BIOL1010 6.0 BIOL1410 6.0 (CHEM1000 3.0 + CHEM1001 3	PHYS1010 6.0 PHYS1410 6.0 .0) (EATS1010 3.0 + EATS1011 3.0) 6

Additional courses satisfying
1. More SC credits (as required for an overall total of 90)
2. More non-CSE, non-MATH credits (as required for an overall total of 30)
3. More 3000- or 4000-level credits (as required for an overall total of 42)

¹⁴ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

FSE 2005-06 Checklist¹⁵ BSc Specialised Honours Degree Intelligent Systems Stream

Computer Science Requirements Credit Co								
1000-level:	CSE1020 3.0 MATH1025 3.0	CSE1030 3.0 MATH1090 3.0	CSE 1019 MATH1300	3.0) 3.0 MATH1310	9 3.0 12			
2000-level:	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4	4.0 CSE2031 3	.0 13 3			
3000-level	CSE3002 1.0 plu	is one course fro	om each area	below	1			
	Theory CSE3 Systems CSE3	101 3.0 3221 3.0	Software Applications	CSE3311 3.0 CSE3401 3.0	6 6			
	Two more course	es:						
	CSE3402 3.0	CSE3	3.0		6			
4000-level:	CSE4101 3.0 o	r CSE4111 3.0	or CSE4115	3.0	3			
	CSE4081 6.0				6			
Two more co	urses							
One course	CSE4401 3.0 CSE33.	or CSE4402 3.0 0 or CSE4) CSE442 _3.0	21 3.0 or CSE442	2 3.0 6 3			
Faculty Req	uirements							
General Edu	cation Courses:				12			
6 credits from	n: BIOL1010 6.0 (CHEM1000 3.0	BIOL1410 6.() + CHEM1001) PHYS107 3.0) (EATS10	10 6.0 PHYS14 010 3.0 + EATS10	10 6.0)11 3.0) 6			

Additional courses satisfying

1. More SC credits (as required for an overall total of 90)

2. More non-CSE, non-MATH credits (as required for an overall total of 30)

3. More 3000- or 4000-level credits (as required for an overall total of 42)

¹⁵ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

FSE 2005-06 Checklist¹⁶ BSc Specialised Honours Degree Interactive Systems Stream

Computer Science Requirements Credit Cou							Credit Cour	nt
1000-level:	CSE1020 3. MATH1025 3	0 3.0	CSE1030 3.0 MATH1090 3.0	CSE 1019 MATH130	3.0 0 3.0	MATH1310	3.0 1	9 2
2000-level:	CSE2001 3. MATH2030 3	0 3.0	CSE2011 3.0	CSE2021	4.0	CSE2031 3.	0 1	3 3
3000-level	CSE3002 1.	0 plus	one course fro	om each area	belov	I		1
	Theory C Systems C	CSE31 CSE32	01 3.0 21 3.0	Software Applications	CSE CSE	3311 3.0 3401 3.0		6 6
	Two more co	ourse	S:					
	CSE3461	3.0	CSE3	3.0				6
4000-level:	CSE4101 3.	0 or	CSE4111 3.0	or CSE4115	3.0			3
Three of	CSE4082	26.0						6
CSE4431 3.0	CSE4441 3.	0 CS	SE4461 3.0 C	SE4471 3.0				9
Faculty Requ	uirements							
General Edu	cation Cours	ses:		_			1	2
6 credits from	n: BIOL1010 (CHEM100	6.0)0 3.0	BIOL1410 6.0 + CHEM1001 3) PHYS10 3.0) (EATS1	10 6.0 010 3	PHYS141 .0 + EATS10	0 6.0 11 3.0)	6

Additional courses satisfying

1. More SC credits (as required for an overall total of 90)

2. More non-CSE, non-MATH credits (as required for an overall total of 30)

3. More 3000- or 4000-level credits (as required for an overall total of 42)

¹⁶ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

FSE 2005-06 Checklist¹⁷ **BSc Specialised Honours Degree Communication Networks Stream**

Computer S	cience Red	quirem	<u>ents</u>					Credit Co	ount
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE1030 3.0 MATH1090 3.0	0	CSE 1019 MATH130	3.0 0 3.0	MATH1310	3.0	9 12
2000-level:	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0		CSE2021	4.0	CSE2031 3	.0	13 3
3000-level	CSE3002	1.0 plu	s one course fr	om	each area	belov	v		1
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	So Ap	oftware oplications	CSE CSE	3311 3.0 3401 3.0		6 6
	Two more	course	es:						
	CSE32	13 3.0	CSE3451	3.0)				6
4000-level:	CSE4101	3.0 oi	· CSE4111 3.0) or	CSE4115	3.0			3
and	CSE40	34 6.0							6
One course	CSE42 CSE3_	13 3.0 3.	CSE4214 0 or CSE4	3.0 3) .0				6 3
Faculty Req	uirements								
General Edu	cation Co	urses:							12
6 credits from	n: BIOL101 (CHEM1	0 6.0 000 3.0	BIOL1410 6. + CHEM1001	0 3.0	PHYS10)) (EATS1	10 6.0 010 3) PHYS14 .0 + EATS10	10 6.0)11 3.0)	6

Additional courses satisfying

More SC credits (as required for an overall total of 90)
 More non-CSE, non-MATH credits (as required for an overall total of 30)
 More 3000- or 4000-level credits (as required for an overall total of 42)

 $^{^{17}}$ A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Faculty o	f Arts 20)5-06 Checklist ¹⁸	BA Degree
Computer S	Science Re	quirements	Credit Count
1000-level	CSE1020 MATH109	3.0 CSE1030 3.0 CSE101 0 3.0 MATH1300 3.0 MATH13	9 3.0 9 310 3.0 9
2000-level	CSE2001	3.0 CSE2011 3.0 CSE202	14.0 CSE2031 3.0 13
3000-level	One cour	e from each area:	
	Theory	CSE3101 3 0 Software	CSE3311 3.0 6
	Systems	CSE3221 3.0 Application	s CSE343.0 6
	Two more	courses CSE33.0	CSE33.0 6
Faculty Rec	uirements		
General edu 1000-leve	u cation el:	NATS6.0	6
	One of	HUMA9.0 or	SOSC9.0 9
2000-leve	el: Must be	HUMA if a 1000-level SOSC w or SOSC if a 1000-level HUMA w	as chosen as chosen
	One of	HUMA9.0 or	SOSC9.0 9
Electives in	cluding	18 credits outside CSE	

Minimum total credits 90

¹⁸A cumulative grade point average of 4.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Faculty of	Faculty of Arts 2005-06 Checklist ¹⁹ BA Honours Major											е
Computer S	Computer Science Requirements											nt
1000-level	CSE1020 MATH109) 3.0 90 3.0	CSE1030 3 MATH1300	CSE1030 3.0 MATH1300 3.0			19 3.0 310 3.0)				9 9
2000-level	CSE2001 MATH203	3.0 30 3.0	CSE20113	3.0	CS	E20	21 4.0	CSE	2031 3	.0	1	3 3
3000-level	CSE3002	21.0 plu	us one cours	e from	ead	ch ar	rea belo	W				1
	Theory Systems	CSE3 CSE3	3101 3.0 3221 3.0	So Aj	oftw pplic	are catio	CSE ns CSE	E3311 E3401	3.0 3.0			6 6
4000-level	Four cour	rses	CSE4	3.0			CSE4_		_ 3.0			6
			CSE4	3.0			CSE4_		_ 3.0			6
Faculty Rec	uirements	<u>i</u>										
General edu 1000-leve	ucation	NATS	6	6.0	0							6
	One of	HUM	Α	9	.0	or	SOSC			9.0		9
2000-leve	el: Must be	HL or SC	IMA if a 100 ISC if a 100	0-level 0-level	SO HU	SC v MA v	was cho was cho	sen sen				
	One of	HUM	Α	9	.0	or	SOSC			9.0		9

Additional courses²⁰

- More 4000-level credits (as required for an overall total of 18)
 More 3000- or 4000-level credits (as required for an overall total of 36)
 More non-CSE, non-MATH credits (as required for an overall total of 30)

¹⁹ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

²⁰ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2005-06 Checklist²¹

Intelligent Systems Stream within a BA Honours Major Degree (including Major/Minor where CSE is the Major; and Double Major)

Computer Science Requirements Credit Court												
1000-level	CSE1020 MATH109	3.0 0 3.0	CSE1030 3.0 MATH1300 3.0	0	CSE10 [.] MATH1	19 : 31(3.0 0 3.0			9 9		
2000-level	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0		CSE202	21 4	4.0	CSE2031 3	3.0	13 3		
3000-level	CSE3002	SE3002 1.0 plus										
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	So Ap	oftware oplication	าร	CSE CSE CSE	3311 3.0 3401 3.0 3402 3.0		6 6 3		
4000-level Three courses CSE4081 6.0										6		
CSE4401 3.0	or CSE4	402 3.0	; CSE4421 3.0	0 o	r CSE4	422	2 3.0			6		
Faculty Requ	uirements											
General edu 1000-level	cation	NATS		6.0)					6		
	One of	HUMA	۱	9.	0 or	SC	DSC_		9.0	9		
2000-level	2000-level: Must be HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen											
	One of	HUMA	۱	9.	0 or	SC	DSC_		9.0	9		

Additional courses²²

- 1. More 4000-level credits (as required for an overall total of 18)
- 2. More 3000- or 4000-level credits (as required for an overall total of 36)
- 3. More non-CSE, non-MATH credits (as required for an overall total of 30)

 $^{^{21}}$ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

²² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2005-06 Checklist²³

Interactive Systems Stream within a BA Honours Major Degree (including Major/Minor where CSE is the Major; and Double Major)

Computer Science Requirements Credit Cour												
1000-level	CSE1020 MATH109	3.0 0 3.0	CSE1030 3.0 MATH1300 3.0	0	CSE10 MATH1	19 131	3.0 0 3.0			9 9		
2000-level	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0 CSE2021 4.0				4.0	CSE2031 3	8.0	13 3		
3000-level	CSE3002	SE3002 1.0 plus										
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	So Ap	ftware plicatio	ns	CSE CSE CSE	3311 3.0 3401 3.0 3461 3.0		6 6 3		
4000-level Four courses: CSE4082 6.0										6		
Three of CS	E4431 3.0	CSE44	441 3.0 CSE44	61 3	3.0 CS	E44	471 3	.0		9		
Faculty Req	uirements											
General edu 1000-level	cation I:	NATS		6.0						6		
	One of	HUMA	۹	_ 9.0) or	S	DSC_		9.0	9		
2000-level	2000-level: Must be HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen											
	One of	HUMA	۹	9.0) or	S	DSC_		9.0	9		

Additional courses²⁴

- 1. More 4000-level credits (as required for an overall total of 18)
- 2. More 3000- or 4000-level credits (as required for an overall total of 36)
- 3. More non-CSE, non-MATH credits (as required for an overall total of 30)

 $^{^{23}}$ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

²⁴ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2005-06 Checklist²⁵

Communication Networks Stream within a BA Honours Major Degree (including Major/Minor where CSE is the Major; and Double Major)

Computer Se	cience Red	quirem	<u>ents</u>							Credit C	ount
1000-level	CSE1020 MATH109	3.0 0 3.0	CSE1030 3.0 MATH1300 3.0	0	CSE MA	E101 TH1:	19 (310	3.0 0 3.0			9 9
2000-level	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0	CSE2011 3.0 CSE2021 4.0				4.0	CSE2031 3	3.0	13 3
3000-level	CSE3002	1.0 plu	S								1
	Theory Systems	CSE3 CSE3 CSE3	101 3.0 221 3.0 213 3.0	So Ap	ftwa plica	are atior	IS	CSE CSE CSE	3311 3.0 3401 3.0 3451 3.0		6 6 6
4000-level	Three cou	rses:	CSE4084 6.0								6
and			CSE4213 3.0				С	SE42	214 3.0		6
Faculty Req	uirements										
General edu 1000-level	cation	NATS		6.0							6
	One of	HUMA	۹	9.0)	or	SC	DSC_		9.0	9
2000-level	: Must be	Must be HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen									
	One of	HUMA	۱	9.0)	or	SC	DSC_		9.0	9

Additional courses²⁶

- 4. More 4000-level credits (as required for an overall total of 18)
- 5. More 3000- or 4000-level credits (as required for an overall total of 36)
- 6. More non-CSE, non-MATH credits (as required for an overall total of 30)

 $^{^{25}}$ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

²⁶ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty o	f Arts 20	05-06	Checklis	t ²⁷		BA	Minor D	egree	
Computer S	Science Re	quirem	nents					Credi	t Count
1000-level	CSE1020 MATH109	3.0 90 3.0	CSE1030 3 MATH1300	3.0 0 3.0	CSE10 MATH	19 3.0 1310 3) 3.0		9 9
2000-level	CSE2001 MATH203	3.0 30 3.0	CSE20113	3.0	CSE20	21 4.() CSE203	31 3.0	13 3
3000-level	CSE3002	21.0 plu	us one cours	e from	each a	rea be	elow		1
	Theory Systems	CSE3 CSE3	3101 3.0 3221 3.0	So Ap	oftware oplicatio	C ns C	SE3311 3.0 SE3401 3.0		6 6
4000-level	Two cour	ses	CSE4	3.0		CSE	4 3.	0	6
Faculty Rec	uirements	<u>i</u>							
General edu 1000-leve	ucation el:	NATS	6	6.0)				6
	One of	HUM	Α	9.	0 or	SOS	C	9.0	9
2000-leve	el: Must be	HU or SC	IMA if a 100 ISC if a 100	0-level 0-level	SOSC HUMA	was c was c	hosen hosen		
	One of	HUM	Α	9.	0 or	SOS	C	9.0	9
Honours Ma To satisfy rec	ajor subjec quirements o 1.More 400	<u>ct and c</u> f the hor 0-level	other cours nours major, a credits (as r	<u>es²⁸</u> and upp require	er-level r d for an	equire overa	ments, name Ill total of 18	ly, 3)	

2.More 3000- or 4000-level credits (as required for an overall total of 36)

²⁷ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

²⁸ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of	Arts 20	05-06	Checkl	ist ²⁹	BA	Sp	peciali	sed Hono	urs Degr	ee
Computer S	cience Re	quirem	ents						Credit Co	unt
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE103 MATH10	0 3.0 190 3.0	CSE MAT	10 113	19 3.0 300 3.0	MATH1310	3.0	9 12
2000-level:	CSE2001 MATH203	3.0 0 3.0	CSE201	1 3.0	CSE	202	21 4.0	CSE2031 3	.0	13 3
3000-level	CSE3002	1.0 plu	s one cou	irse from	n each	n are	ea belov	V		1
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	S A	oftwa pplica	re ation	CSE Is CSE	3311 3.06 3401 3.06		
	Two more	course	es:							
	CSE3_		3.0	С	SE3_		3.	0		6
4000-level:	CSE4101	3.0 o	CSE41	11 3.0 o	r CSE	411	5 3.0			3
	CSE4_		_ 3.0	CSE4		3	.0 C	SE4	3.0	9
Two courses	(3000- or 4	1000-le	vel)							
	CSE		3.0	С	SE		3.0)		6
Faculty Requi	irements									
General edu 1000-leve	ication I:	NATS		6.	0					6
	One of	HUMA	۹	9	.0	or	SOSC_		9.0	9
2000-leve	<i>l:</i> Must be	HU or SO	MA if a 10 SC if a 10)00-level)00-level	I SOS HUM	iC w 1A w	vas chos vas chos	sen sen		
	One of	HUMA	۹	9	.0	or	SOSC_		9.0	9

Additional courses

More 4000-level credits (as required for a total of 18)
 More non-CSE, non-MATH credits (as required for an overall total of 30)

²⁹ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Faculty of Arts 2005-06 Checklist³⁰ **BA Specialised Honours Degree** Intelligent Systems Stream

Computer Se	Computer Science Requirements Credit Co											
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE1030 3.0 MATH1090 3.0	C) N	SE10 [.] IATH1	19 3.0 300 3) .0 MATH1310	3.0	9 12			
2000-level:	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0	C	SE202	21 4.0	CSE2031 3	.0	13 3			
3000-level	CSE3002	SE3002 1.0 plus one course from each area below										
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	Soft App	ware licatior	CS ns CS	SE3311 3.0 SE3401 3.0		6 6			
	Two more courses:											
	CSE340	02 3.0	CSE3		_ 3.0				6			
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0												
CSE4081 6.0												
Two more co One more co	urses CSE4401 urse	3.0 or	CSE4402 3.0;	CSE	4421 3	3.0 or	CSE4422 3.0		6			
	CSE3	_ 3.0 or	CSE4 3.0						3			
Faculty Requi	rements											
1000-level	cation :	NATS		6.0					6			
	One of	HUMA	L	9.0	or	SOS	C	9.0	9			
2000-level: Must be HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen												
	One of	HUMA	L	9.0	or	SOS	C	9.0	9			

Additional courses

- More 4000-level credits (as required for a total of 18)
 More non-CSE, non-MATH credits (as required for an overall total of 30)

³⁰ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Faculty of Arts 2005-06 Checklist³¹ BA Specialised Honours Degree Interactive Systems Stream

Computer Science Requirements Credit Co												
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE1030 3.0 MATH1090 3.0) D I	CSE10 [.] MATH1	19 3.0 300 3.0	MATH1310 3	3.0	9 12			
2000-level:	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0	(CSE20	21 4.0	CSE2031 3.0	0	13 3			
3000-level	CSE3002	SE3002 1.0 plus one course from each area below										
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	Sof Ap	ftware plicatio	CSE ns CSE	3311 3.0 3401 3.0		6 6			
	Two more	course	S:									
	CSE34	61 3.0	CSE3		3.0				6			
4000-level:	CSE4101	3.0 or	CSE4111 3.0) or (CSE41	15 3.0			3			
	CSE40	82 6.0							6			
Three of CSE	4431 3.0	CSE44	41 3.0 CSE44	613	3.0 CS	SE44713	3.0		9			
Faculty Requi	irements											
General edu 1000-leve	cation I:	NATS		6.0					6			
	One of	HUMA	\	9.0	or	SOSC_		_ 9.0	9			
2000-level	l: Must be	HU or SO	MA if a 1000-le [,] SC if a 1000-le	vel S vel H	SOSC v HUMA v	vas chos vas chos	sen sen					
	One of	HUMA	\	9.0) or	SOSC_		_ 9.0	9			

Additional courses

More 4000-level credits (as required for a total of 18)
 More non-CSE, non-MATH credits (as required for an overall total of 30)

³¹ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Faculty of Arts 2005-06 Checklist³² BA Specialised Honours Degree **Communication Networks Stream**

Computer Science Requirements Credit Cou												
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE1030 3.0 MATH1090 3.0)	CSE 10 MATH1	19 3.0 300 3.0	MATH1310	3.0	9 12			
2000-level:	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0		CSE202	21 4.0	CSE2031 3	.0	13 3			
3000-level	CSE3002	1.0 plu	s one course fro	om (each ar	ea belo	W		1			
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	So Ap	ftware plicatior	CSE ns CSE	3311 3.0 3401 3.0		6 6			
	Two more	/o more courses:										
	CSE32	13 3.0	CSE3451	3.0					6			
4000-level:	CSE4101	3.0 or	CSE4111 3.0	or	CSE41	15 3.0			3			
and	CSE408	CSE4084 6.0										
One course	CSE42 [·] CSE3_	13 3.0 3.0	CSE4214 3 0 or CSE4	3.0 _3.(0				6 3			
Faculty Requi	rements											
General edu 1000-level	cation :	NATS		6.0					6			
	One of	HUMA	\	9.0) or	SOSC		_ 9.0	9			
2000-level	: Must be	HUI or SO	MA if a 1000-lev SC if a 1000-lev	/el S /el H	SOSC v HUMA v	vas cho vas cho	sen sen					
	One of	HUMA	\	9.0) or	SOSC		9.0	9			
Additional c	ourses											

- More 4000-level credits (as required for a total of 18)
 More non-CSE, non-MATH credits (as required for an overall total of 30)

³² A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Faculty of Arts 2005-06 Checklist³³ BA Honours Double Major Degree BA Honours Major/Minor (CSE Major)

Computer S	Computer Science Requirements Credit C												
1000-level	CSE1020 3.0 MATH1090 3.0		CSE1030 3.0 MATH1300 3.0		CSE1019 MATH13			9 9					
2000-level	CSE2001 MATH203	3.0 0 3.0	CSE2011 3.0	0	CSE2021	1 4.0	CSE203	1 3.0	13 3				
3000-level	CSE3002	CSE3002 1.0 plus one course from each area below											
	Theory Systems	CSE3 CSE3	101 3.0 221 3.0	S A	oftware pplications	CSE CSE	3311 3.0 3401 3.0		6 6				
4000-level	Four cour	ses	CSE4	_ 3.0	(CSE4_	3.0)	6				
			CSE4	_ 3.0	(CSE4_	3.0)	6				
Faculty Reg	uirements												

General education

1000-level:	NATS6.0	6
One of	HUMA9.0 or SOSC9.0	9
2000-level: Must be	HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen	
One of	HUMA9.0 or SOSC9.0	9

Other Honours Major (Minor) Subject and Other Courses³⁴

To satisfy requirements of the other honours major (minor), upper-level and breadth requirements, namely,

- 1. More 4000-level credits (as required for an overall total of 18)
- 2. More 3000- or 4000-level credits (as required for an overall total of 36)
- 3. More non-CSE, non-MATH credits (as required for an overall total of 30)

 $^{^{33}}$ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

 $^{^{34}}$ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Atkinson	Faculty 2005-	06 Checklist ³	5		BSc Degree
Computer S	cience Requirer	nents			Credit Count
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1020 3.0 CSE1030 3.0 CSE1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			9 9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021	4.0 CSE2031	3.0 13
3000-level	One course from	n each area:			
	Theory CSE Systems CSE	3101 3 0 3221 3.0	Software Applications	CSE3311 3.0 CSE34 3	6 .0 6
	Two more cours	es CSE3	3.0	CSE33	6.0 6
<u>Faculty Rec</u> General edu	uirements ucation				
1000-level:	MATH1710 6.0				6
	HUMA	6.0	SOSC	6.0	12
6 credi	ts from: BIOL1010 6.0 (CHEM1000 3.0 (EATS1010 3.0 PHYS1010 6.0	BIOL1410 6. + CHEM1001 3.0 + EATS1011 3.0) PHYS1410 6	0 D)		6

Electives including

1. 6 credits in Science (courses cross listed as SC) at the 2000-level or above 6

³⁵ A cumulative grade point average of 4.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program.

Atkinson Faculty 2005-06 Checklist³⁶ BSc Specialised Honours Degree

Computer	Science Requiren	<u>nents</u>		Cro	edit Count	
1000-level:	CSE1019 3.0 MATH1025 3.0	CSE1020 3.0 MATH1300 3.0	CSE1030 3 MATH1310	.0 CSE1019 3.0 3.0 MATH1090 3.0	9 12	
2000-level:	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4	.0 CSE2031 3.0	13 3	
3000-level	CSE3002 1.0 plu	CSE3002 1.0 plus one course from each area below				
	Theory CSE3 Systems CSE3	TheoryCSE3101 3.0SoftwareCSE3311 3.0 6SystemsCSE3221 3.0ApplicationsCSE3401 3.0 6				
	Two more courses:					
	CSE3	3.0	CSE3	_ 3.0	6	
4000-level:	I: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0					
	CSE4	3.0 CSE4	3.0	CSE43	.0 9	
Two course	s (3000- or 4000-le	evel)				
	CSE	3.0	CSE	_3.0	6	
Faculty Re	<u>quirements</u>					
General ed					0	
1000-level:	WATH17106.00	or equivalent			0	
	HUMA	6.0	SOSC	6.0	12	
Completing 6 credits from the following list will satisfy the Nat. Sci. requirement BIOL1010 6.0 BIOL1410 6.0 (CHEM1000 3.0 and CHEM1001 3.0) (EATS1010 3.0 and EATS1011 3.0) PHYS1010 6.0 PHYS1410 6.0					ent 6	
Electives i	ncluding					
1. 2.	3 credits at the 300 nore non-CSE, nor	0-level or above n-MATH credits	(as required fo (as required for	r a total of 39) a total of 30) t the 2000 level or a	3	

³⁶A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2005-06 Checklist³⁷ BSc Specialised Honours Degree Intelligent Systems Stream

Computer	Science Requirem	ents			Credit Count		
1000-level:	CSE1019 3.0 MATH1025 3.0	CSE1020 3.0 MATH1300 3.0	CSE1030 3.0 MATH1310 3.0	CSE1019 3. MATH1090	0 9 3.0 12		
2000-level:	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.	0 13 3		
3000-level	CSE3002 1.0 plu	is one course fror	n each area belov	V	1		
	Theory CSE3 Systems CSE3	101 3.0 S 221 3.0 A	oftware CSE	3311 3.0 3401 3.0	6 6		
	Two more courses:						
	CSE3402 3.0	CSE3	3.0		6		
4000-level:	CSE4101 3.0 o	r CSE4111 3.0 c	or CSE4115 3.0		3		
	CSE4081 6.0				6		
Two course CSE4401 3	s .0 or CSE4402 3.0	; CSE4421 3.0 o	r CSE4422 3.06				
One course	(3000- or 4000-lev	el)					
	CSE	3.0			3		
Faculty Re	<u>quirements</u>						
1000-level:	MATH1710 6.0 o	r equivalent			6		
					40		
	HUMA	6.0	SOSC	6.0	12		
Comp	leting 6 credits from BIOL1010 6.0 and CHEM1001 3.1	n the following list BIOL1410 6.0 0) (EATS1010 3.0 PHYS1/10 6.0	will satisfy the Na (CHEM100 and EATS1	at. Sci. requin 0 3.0 011 3.0)	ement		
	111131010 0.0	111131410 0.0			0		
Electives in	ncluding						
1. 3	3 credits at the 300)-level or above (as required for a l	otal of 39)	3		
2. i 3. (more non-CSE, nor 5 credits in Science	-MATH credits (a (courses cross lis	s required for a to sted as SC) at the	otal of 30) e 2000-level c	or above 6		

³⁷A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2005-06 Checklist³⁸ BSc Specialised Honours Degree Interactive Systems Stream

Compu	ter S	cience Requi	eme	ents_				Credit Co	ount
1000-le	vel:	CSE1019 3.0 MATH1025 3	.0	CSE1020 3.0 MATH1300 3.0	CSE103 MATH13	0 3.0 310 3.0	CSE1019 3 MATH1090	.0 3.0	9 12
2000-le	vel:	CSE2001 3.0 MATH2030 3.0		CSE2011 3.0	CSE202	14.0	CSE2031 3	.0	13 3
3000-le	vel	CSE3002 1.0	plus	s one course fro	m each are	ea belov	N		1
		Theory CS Systems CS	SE31 SE32	01 3.0 21 3.0	Software Application	CSE s CSE	3311 3.0 3401 3.0		6 6
		Two more co	Irse	S:					
	CSE3461 3.0 CSE3 3.0							6	
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0							3		
CSE4082 6.0							6		
Three o	f CSE	4431 3.0 CS	<u>=</u> 444	41 3.0 CSE446	13.0 CSE	4471 3	.0		9
Faculty	Req	<u>uirements</u>							
Genera	l edu	cation							
1000-le	vel:	MATH1710 6	0 or	equivalent					6
		HUMA		6.0	SOSC_		6.0		12
Completing 6 credits from the following list will satisfy the Nat. Sci. requirement BIOL1010 6.0 BIOL1410 6.0 (CHEM1000 3.0 and CHEM1001 3.0) (EATS1010 3.0 and EATS1011 3.0) PHYS1010 6.0 PHYS1410 6.0					rement	6			
Elective	es inc	cluding							
1.	3	credits at the 3	000	-level or above	(as require	d for a	total of 39)		3
2. 3.	m 6	ore non-CSE, credits in Scie	non- nce (MATH credits ((courses cross l	as requirec isted as S(l for a to C) at the	otal of 30) e 2000-level o	or above	6

Minimum total credits 120

³⁸A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2005-06 Checklist³⁹ BSc Specialised Honours Degree Communication Networks Stream

Computer S	cience Requireme	ents		<u>Credit C</u>	<u>ount</u>			
1000-level:	CSE1020 3.0 MATH1025 3.0	CSE1030 3.0 MATH1090 3.0	CSE 1019 3.0 MATH1300 3.0	MATH1310 3.0	9 12			
2000-level:	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13 3			
3000-level	CSE3002 1.0 plus	CSE3002 1.0 plus one course from each area below						
	Theory CSE31 Systems CSE32	01 3.0 S 21 3.0 A	Software CSE Applications CSE	3311 3.0 3401 3.0	6 6			
	Two more courses:							
	CSE3213 3.0	CSE3451 3	.0		6			
4000-level:	D-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0							
CSE4084 6.0 and								
One course	CSE4213 3.0 CSE33.0	CSE4214 3 or CSE4	0 3.0		6 3			
Faculty Red	uirements							
General ed	ıcation							
1000-level:	MATH1710 6.0 or	equivalent			6			
	HUMA	6.0	SOSC	6.0	12			
Compl	eting 6 credits from BIOL1010 6.0	the following list BIOL1410 6.0	will satisfy the Na (CHEM100)	at. Sci. requirement 0 3.0				
	PHYS1010 6.0	PHYS1410 6.0		011 5.0)	6			
Electives in	cluding							
4. 3	credits at the 3000-	level or above (as required for a f	otal of 39)	3			
5. n 6. 6	ore non-CSE, non- credits in Science (MATH credits (a courses cross li	is required for a to sted as SC) at the	e 2000-level or above	6			
			Μ	inimum total credits	120			

³⁹A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson	Atkinson Faculty 2005-06 Checklist ⁴⁰						
Computer S	Science Requiren	<u>nents</u>			Credit Count		
1000-level	CSE1020 3.0 MATH1090 3.0	CSE1030 3.0 MATH1300 3.0	CSE1019 MATH131	3.0 0 3.0	9 9		
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021	4.0 CSE2031	3.0 13		
3000-level	One course from	each area:					
	Theory CSE3 Systems CSE3	3101 3 0 221 3.0	Software Applications	CSE3311 3.0 CSE34 3.0	6 0 6		
	Two more cours	es CSE3	3.0	CSE3	3.0 6		

Faculty Requirements

General education

1000-level:	MATH1710 6.0		6		
	HUMA	_6.0	SOSC	_ 6.0	12
	NATS	6.0			6

Electives including

1.	Additional 6	credits at the	e 3000 level or	above
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2. At least 18 credits out of the total credit-count must be outside CSE

Minimum total credits 90

6

 $^{^{40}}A$ cumulative grade point average of 4.0 over all courses is required to graduate. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program.

Atkinson Faculty 2005-06 Checklist⁴¹ BA Specialised Honours Degree

Computer S	Computer Science Requirements Credit Co							
1000-level:	CSE1020 3.0 MATH1025 3.0	CSE1030 3.0 MATH1300 3.	CSE1019 0 MATH131	3.0 0 3.0 MATH1090	9 3.0 12			
2000-level:	CSE2001 3.0 CSE2011 3.0 MATH2030 3.0		CSE2021	4.0 CSE2031 3	0.0 13 3			
3000-level	CSE3002 1.0 plu	us one course fr	om each area	below	1			
	Theory CSE3 Systems CSE3	3101 3.0 3221 3.0	Software Applications	CSE3311 3.0 CSE3401 3.0	6 6			
	Two more cours	wo more courses:						
	CSE3	3.0	CSE3	3.0	6			
4000-level:	CSE4101 3.0 c	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0						
	CSE4	3.0 CSE4	3.0	CSE4	3.0 9			
Two courses	(3000- or 4000-le	evel)						
	CSE	3.0	CSE	3.0	6			
<u>Faculty Req</u> General edu	<u>uirements</u> Ication							
1000-level:	MATH1710 6.0 (or equivalent			6			
	HUMA	6.0	SOSC	6.0	12			
	NATS	6.0			6			

Electives including

- 1. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 CSE credits at the 4000-level.
- 2. of the total credits required towards the degree, 30 must be outside CSE and MATH

⁴¹A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental general prerequisite cumulative grade-point-average over all Computer Science courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Atkinson Faculty 2005-06 Checklist⁴² BA Specialised Honours Degree Intelligent Systems Stream

Computer S	cience Red	quirem	<u>ents</u>					Credit Co	unt
1000-level:	CSE1020 MATH102	3.0 5 3.0	CSE1030 3.0 MATH1300 3.	CS 0 MA	E1019 TH131	3.0 0 3.0	MATH1090	3.0	9 12
2000-level:	CSE2001 3.0 MATH2030 3.0		CSE2011 3.0	CS	E2021	4.0	CSE2031 3	.0	13 3
3000-level	CSE3002	1.0 plu	s one course fr	om eac	ch area	belov	V		1
	TheoryCSE3101 3.0SoftwareCSE3311 3.0SystemsCSE3221 3.0ApplicationsCSE3401 3.0						6 6		
	Two more	course	es:						
	CSE3402 3.0 CSE3 3.0								6
4000-level:	CSE4101	3.0 o	CSE4111 3.0) or CS	E4115	3.0			3
	CSE40	81 6.0							6
Two courses	CSE4401	3.0 or	CSE4402 3.0;	CSE44	421 3.0	or CS	SE4422 3.0		6
One course ((3000- or 40)00-lev	el) CSE	3.0	0				3
Faculty Req General edu	uirements Ication								
1000-level:	MATH171	0 6.0 o	r equivalent						6
	HUMA		6.0	SO	SC		6.0		12
	NATS		6.0						6

Electives including

- 1. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 CSE credits at the 4000-level.
- 2. of the total credits required towards the degree, 30 must be outside CSE and MATH

⁴²A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental general prerequisite cumulative grade-point-average over all Computer Science courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Atkinson Faculty 2005-06 Checklist⁴³ BA Specialised Honours Degree Interactive Systems Stream

Computer S	cience Requirer	<u>nents</u>			Credit Count		
1000-level:	CSE1020 3.0 MATH1025 3.0	CSE1030 3.0 MATH1300 3.0	CSE1019 0 MATH131	3.0 0 3.0 MATH1090	9 3.0 12		
2000-level:	CSE2001 3.0 MATH2030 3.0	CSE2011 3.0	CSE2021	4.0 CSE2031 3	0.0 13 3		
3000-level	CSE3002 1.0 pl	us one course fr	om each area	below	1		
	TheoryCSE3101 3.0SoftwareCSE3311 3.0SystemsCSE3221 3.0ApplicationsCSE3401 3.0				6 6		
	Two more courses:						
	CSE3461 3.0 CSE3 3.0						
4000-level:	CSE4101 3.0 0	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0					
	CSE4082 6.0)			6		
Three course	es from						
	CSE4431 3.0 (CSE4441 3.0 C	SE4461 3.0	CSE4471 3.0	9		
Faculty Req General edu	uirements cation						
1000-level:	MATH1710 6.0	or equivalent			6		
	HUMA	6.0	SOSC	6.0	12		
	NATS	6.0			6		

Electives including

- 1. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 CSE credits at the 4000-level.
- 2. of the total credits required towards the degree, 30 must be outside CSE and MATH

⁴³A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental general prerequisite cumulative grade-point-average over all Computer Science courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

Atkinson Faculty 2005-06 Checklist⁴⁴ BA Specialised Honours Degree Communication Networks Stream

Computer Science Requirements Credit C							Credit Cour	nt
1000-level:	CSE1020 3 MATH1025	.0 3.0	CSE1030 3.0 MATH1090 3.0	CSE 10 MATH13	19 3.0 300 3.0	MATH1310	3.0 1	9 2
2000-level:	CSE2001 3 MATH2030	.0 3.0	CSE2011 3.0	CSE202	14.0	CSE2031 3	.0 1	3 3
3000-level	CSE3002 1	.0 plu	s one course fro	om each are	ea belov	N		1
	Theory (Systems (heoryCSE3101 3.0SoftwareCSE3311 3.0ystemsCSE3221 3.0ApplicationsCSE3401 3.0						6 6
	Two more c	vo more courses:						
	CSE3213	CSE3213 3.0 CSE3451 3.0						6
4000-level:	CSE4101 3	.0 or	CSE4111 3.0	or CSE411	5 3.0			3
and	CSE4084	46.0						6
One course	CSE4213 CSE3	3 3.0 3.(CSE4214) or CSE4	3.0 _3.0				6 3
Faculty Req	uirements							
1000-level:	MATH1710	6.0 oi	requivalent					6
	HUMA		6.0	SOSC_		6.0	1	2
	NATS		6.0					6

Electives including

3. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 CSE credits at the 4000-level.

4. of the total credits required towards the degree, 30 must be outside CSE and MATH

⁴⁴A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental general prerequisite cumulative grade-point-average over all Computer Science courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.