FSE 2006-07 Checklist[1] — BSc Degree

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		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 Requirements

General Education 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) 6

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

Minimum total credits 90

[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.*

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 Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	MATH1025 3.0	12
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
4000-level	Four courses	CSE4_____ 3.0	CSE4_____ 3.0		6
		CSE4_____ 3.0	CSE4_____ 3.0		6

Faculty Requirements[3]

General education and elective courses with an international content or perspective
(chosen in consultation with an advisor to ensure appropriate international content)
_____ _____ 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

Minimum total credits 120

[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 2006-07 Checklist[4]

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

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
4000-level	Four courses	CSE4_____ 3.0	CSE4_____ 3.0		6
		CSE4_____ 3.0	CSE4_____ 3.0		6

Faculty Requirements[5]

General Education 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) 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

Minimum total credits 120

[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 2006-07 Checklist[6]

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

Intelligent Systems Stream

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software	CSE3311 3.0	6
	Systems CSE3221 3.0		Applications	CSE3401 3.0	6
				CSE3402 3.0	3
4000-level	Three courses:				
		CSE4081 6.0	CSE4401 3.0 or CSE4402 3.0		9
		CSE4421 3.0 or	CSE4422 3.0		3

Faculty Requirements[7]

General Education 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) 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

Minimum total credits 120

[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 2006-07 Checklist[8]

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

Interactive Systems Stream

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software	CSE3311 3.0	6
	Systems CSE3221 3.0		Applications	CSE3401 3.0	6
				CSE3461 3.0	3
4000-level	Four courses:				
		CSE4082 6.0			6
And three of	CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0	9

Faculty Requirements[9]

General Education 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) 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

Minimum total credits 120

[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 2006-07 Checklist[10]

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

Communication Networks Stream

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software	CSE3311 3.0	6
	Systems CSE3221 3.0		Applications	CSE3401 3.0	6
	CSE3213 3.0			CSE3451 3.0	6
4000-level	Three courses:				
		CSE4084 6.0			6
and		CSE4213 3.0		CSE4214 3.0	6

Faculty Requirements[11]

General Education 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) 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

Minimum total credits 120

[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 2006-07 Checklist[12]

BSc Honours Major/Minor (CSE Minor) Degree

Computer Science (Minor) Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0	plus one course from each area below			1
	Theory	CSE3101 3.0	Software	CSE3311 3.0	6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0	6
4000-level	Four courses	CSE4_____ 3.0	CSE4_____ 3.0		6

Faculty Requirements[13]

General Education 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) 6

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

Minimum total credits 120

[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 2006-07 Checklist[14] BSc Specialised Honours Degree

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	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	CSE4_____ 3.0		9
Two courses (3000- or 4000-level)					
	CSE_____ 3.0		CSE_____3.0		6

Faculty Requirements

General Education 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) 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)

Minimum total credits 120

[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 2006-07 Checklist[15] BSc Specialised Honours Degree
Intelligent Systems Stream

Computer Science Requirements		Credit Count
1000-level:	CSE1020 3.0 CSE1030 3.0 CSE 1019 3.0	9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	12
2000-level:	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
	MATH2030 3.0	3
3000-level	CSE3002 1.0 plus one course from each area below	1
	Theory CSE3101 3.0 Software CSE3311 3.0	6
	Systems CSE3221 3.0 Applications CSE3401 3.0	6
	Two more courses:	
	CSE3402 3.0 CSE3_____ 3.0	6
4000-level:	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
	CSE4081 6.0	6
Two more courses		
	CSE4401 3.0 or CSE4402 3.0 CSE4421 3.0 or CSE4422 3.0	6
One course	CSE3_____3.0 or CSE4_____3.0	3

Faculty Requirements

General Education 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)	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)

Minimum total credits 120

[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 2006-07 Checklist[16] BSc Specialised Honours Degree
Interactive Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	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 of					
CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0		9

Faculty Requirements

General Education 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) 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)

Minimum total credits 120

[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 2006-07 Checklist[17] BSc Specialised Honours Degree
Communication Networks Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3213 3.0	CSE3451 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4084 6.0				6
and					
	CSE4213 3.0	CSE4214 3.0			6
One course	CSE3_____3.0 or CSE4_____3.0				3

Faculty Requirements

General Education 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) 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)

Minimum total credits 120

[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.*

FSE 2006-07 Checklist BASc Specialised Honours Degree
Computer Engineering Stream

					Credit Count
1000-level:	ENG1000 6.0	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0	15
	MATH1025 3.0	MATH1090 3.0	MATH1013 3.0	MATH1014 3.0	12
	EATS1010 3.0	CHEM1000 3.0	PHYS1010 6.0		12
2000-level:	ENG2000 6.0	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	16
	CSE2031 3.0	MATH2030 3.0	MATH2015 3.0	PHYS2020 3.0	12
	ENVS2150 3.0				3
3000-level:	ENG3000 3.0	CSE3101 3.0	CSE3201 4.0	CSE3213 3.0	13
	CSE3215 4.0	CSE3221 3.0	CSE3311 3.0	CSE3451 4.0	14
	PHYS3050 3.0	PHYS3150 3.0			6
4000-level:	ENG4000 6.0	CSE4201 3.0	CSE4214 3.0	CSE4312 3.0	15
	four more courses chosen from:				
	CSE4210 3.0	CSE4211 3.0	CSE4213 3.0	CSE4214 3.0	
	CSE4215 3.0	CSE4313 3.0	CSE4352 3.0	CSE4421 3.0	
	CSE4422 3.0	CSE4431 3.0	CSE4441 3.0	CSE4471 3.0	12
One course (3000- or 4000-level)					
	CSE_____ 3.0				3
General Education Courses:	_____	_____			12
6 credits from:	BIOL1010 6.0	BIOL1410 6.0	CHEM1001 3.0	CHEM2011 3.0	
	EATS1011 3.0	PHYS1070 3.0	PHYS2010 3.0	PHYS2040 3.0	
	PHYS2060 3.0				6

Minimum total credits 151

FSE 2006-07 Checklist
Computer Security Program (Effective Fall 2007)
BSc Specialised Honours Degree

					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0			6
	MATH1131 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level:	CSE3002 1.0	CSE3101 3.0	CSE3213 3.0	CSE3221 3.0	10
	CSE3311 3.0	CSE3421 3.0	CSE3481 3.0		9
4000-level:	CSE/MATH4161 3.0		CSE4213 3.0	CSE4413 3.0	9
	CSE4481 4.0		CSE4482 3.0		7

Complementary studies:
AK/AS/PHIL20753.0 OR SC/STS3500 3.0 — 3

General Education Courses:[18] _____ _____ — 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

Additional elective credits, as required for an overall total of at least 120 credits, including at least 90 credits from science courses, at least 42 credits at the 3000 or higher level, and ***at least 30 credits which are not in computer science, or mathematics, or information technology (ITEC)***.

Note 1: SC/MATH 1190 3.00 must be taken if the student has not passed 12U Geometry and Discrete Math.
Note 2: AS/SOSC 2312 9.00 or AS/SOSC 2340 9.00 are highly recommended as fulfilling, in part, the General Education requirements.

Minimum total credits 120

[18] *For students in the FSE Faculty PHIL2075 3.0 may count as a General Education course.*

Faculty of Arts 2006-07 Checklist[19] — BA Degree

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		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 Requirements					
General education					
1000-level:	NATS_____ 6.0				6
	One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0	9
Electives including	18 credits outside CSE				
				Minimum total credits	90

[19] *A 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.*

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
4000-level	Four courses	CSE4_____ 3.0	CSE4_____ 3.0		6
		CSE4_____ 3.0	CSE4_____ 3.0		6

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0		9

Additional courses[21]

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)

Minimum total credits 120

[20] *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.*

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

Faculty of Arts 2006-07 Checklist[22]
Intelligent Systems Stream within a BA Honours Major Degree (including Major/Minor where CSE is the Major; and Double Major)

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software	CSE3311 3.0	6
	Systems CSE3221 3.0		Applications	CSE3401 3.0	6
				CSE3402 3.0	3
4000-level	Three courses				
		CSE4081 6.0			6
CSE4401 3.0 or CSE4402 3.0;		CSE4421 3.0 or CSE4422 3.0			6

Faculty Requirements

General education

1000-level:	NATS_____ 6.0					6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0	9

Additional courses[23]

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)

Minimum total credits 120

---

[22] *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.*

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

Faculty of Arts 2006-07 Checklist[24]

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

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus				1
	Theory CSE3101 3.0		Software	CSE3311 3.0	6
	Systems CSE3221 3.0		Applications	CSE3401 3.0	6
				CSE3461 3.0	3
4000-level	Four courses:				
		CSE4082 6.0			6
Three of	CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0	9

Faculty Requirements

General education

1000-level: NATS_____ 6.0 — 6

One of HUMA_____ 9.0 or SOSC_____ 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_____ 9.0 or SOSC_____ 9.0 — 9

Additional courses[25]

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)

Minimum total credits 120

---

[24] *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.*

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

Faculty of Arts 2006-07 Checklist[26]
Communication Networks Stream within a BA Honours Major Degree (including Major/Minor where CSE is the Major; and Double Major)

Computer Science Requirements						Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0			9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0			9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0		13
	MATH2030 3.0					3
3000-level	CSE3002 1.0 plus					1
	Theory	CSE3101 3.0	Software	CSE3311 3.0		6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0		6
		CSE3213 3.0		CSE3451 3.0		6
4000-level	Three courses:					
		CSE4084 6.0				6
and		CSE4213 3.0		CSE4214 3.0		6

Faculty Requirements							
General education							
1000-level:		NATS_____ 6.0					6
	One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0			9

Additional courses[27]

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)

Minimum total credits 120

---

[26] *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.*

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

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
4000-level	Two courses CSE4_____ 3.0		CSE4_____ 3.0		6

Faculty Requirements

General education

1000-level: NATS_____ 6.0 — 6

One of HUMA_____ 9.0 or SOSC_____ 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_____ 9.0 or SOSC_____ 9.0 — 9

Honours Major subject and other courses[29]

To satisfy requirements of the honours major, and upper-level 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)

Minimum total credits 120

[28] *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.*

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

Faculty of Arts 2006-07 Checklist[30] BA Specialised Honours Degree

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	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	CSE4_____ 3.0		9
Two courses (3000- or 4000-level)					
	CSE_____ 3.0		CSE_____3.0		6

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0		9

Additional courses

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

Minimum total credits 120

[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 2006-07 Checklist[31] BA Specialised Honours Degree
Intelligent Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3402 3.0	CSE3_____ 3.0			6
4000-level:	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0				3
	CSE4081 6.0				6
Two more courses					
	CSE4401 3.0 **or** CSE4402 3.0; CSE4421 3.0 **or** CSE4422 3.0				6
One more course					
	CSE3____ 3.0 or CSE4____ 3.0				3

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
	One of HUMA_____ 9.0	**or**	SOSC_____ 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_____ 9.0	**or**	SOSC_____ 9.0		9

Additional courses

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

Minimum total credits 120

[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 2006-07 Checklist[32] BA Specialised Honours Degree
Interactive Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	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 of	CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0	9

Faculty Requirements

General education

1000-level:	NATS_____ 6.0					6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0			9

Additional courses

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

Minimum total credits 120

[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 2006-07 Checklist[33] BA Specialised Honours Degree
Communication Networks Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3213 3.0	CSE3451 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4084 6.0				6
and					
	CSE4213 3.0	CSE4214 3.0			6
One course	CSE3_____3.0 or CSE4_____3.0				3

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0		9

Additional courses

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

Minimum total credits 120

[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.*

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
4000-level	Four courses	CSE4_____ 3.0	CSE4_____ 3.0		6
		CSE4_____ 3.0	CSE4_____ 3.0		6

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
One of	HUMA_____ 9.0	or	SOSC_____ 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_____ 9.0	or	SOSC_____ 9.0		9

Other Honours Major (Minor) Subject and Other Courses[35]

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)

Minimum total credits 120

---

[34] *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.*

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

Faculty of Arts 2006-07 Checklist
Computer Security Program (Effective Fall 2007)
BA Specialised Honours Degree

Students must complete a total of at least 120 credits including a minimum of 57 credits in computer science, 18 credits in mathematics, and at least 30 credits that are not in CSE, or MATH, or ITEC:

		Credit Count
1000-level:	CSE1020 3.0 CSE1030 3.0	6
	OR	
	ITEC1620 3.0 ITEC1630 3.0 ITEC2620 3.0	9
Plus	CSE 1019 3.0 MATH1025 3.0 MATH1090 3.0	9
	MATH1131 3.0 MATH1300 3.0 MATH1310 3.0	9
2000-level:	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
	MATH2030 3.0	3
3000-level:	CSE3002 1.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	10
	CSE3311 3.0 CSE3421 3.0 (OR ITEC3220 3.0) CSE3481 3.0	9
4000-level:	CSE/MATH4161 3.0 CSE4213 3.0 CSE4413 3.0	9
	CSE4481 4.0 CSE4482 3.0	7
Complementary studies:		
AK/AS/PHIL20753.0 OR SC/STS3500 3.0		3
General education		
1000-level:	NATS_____ 6.0	6
One of	HUMA_____ 9.0 or SOSC_____ 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_____ 9.0 or SOSC_____ 9.0	9

Note 1: MATH 1190 3.0 must be taken if the student has not passed 12U Geometry and Discrete Math.
Note 2: The student must choose to take either CSE 1020 3.0 and CSE 1030 3.0 or ITEC 1620 3.0 and ITEC 1630 3.0 and ITEC 2620 3.0; either sequence of courses meets prerequisites for 2000-level CSE courses, provided a C+ grade is obtained in either CSE 1030 3.0 or ITEC 2620 3.0.
Note 3: AS/SOSC 2312 9.0 or AS/SOSC 2340 9.0 are highly recommended as fulfilling, in part, General Education requirements.
Note 4: Three elective credits must be at the 4000-level.
Note 5: Wherever specified ITEC courses are used to satisfy degree requirements in this program they will also be used in the general prerequisite GPA calculation.

Minimum total credits 120

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		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 Requirements

General education

1000-level: AK/MATH OR AK/MODR at the 1000 level 6

HUMA_____ 6.0 SOSC_____ 6.0 12

NATS: The Natural Science requirement must be met by completing 6 credits chosen from:

BIOL1010 6.0 and CHEM1001 3.0) BIOL1410 6.0 (EATS1010 3.0 (CHEM1000 3.0 and EATS1011 3.0)

PHYS1010 6.0 PHYS1410 6.0 6

Required courses outside the major: At least 6 additional credits in science (courses cross listed as SC) at the 2000 level or above. 6

Minimum total credits 90

[36] *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 2006-07 Checklist[37]

BSc Specialised Honours Degree

Computer Science Requirements					Credit Count
1000-level:	CSE1019 3.0	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	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	CSE4_____ 3.0		9
Two courses (3000- or 4000-level)					
	CSE_____ 3.0		CSE_____3.0		6

Faculty Requirements

General education

1000-level:	AK/MATH OR AK/MODR at the 1000 level			6
	HUMA_____ 6.0	SOSC_____ 6.0		12

NATS: The Natural Science requirement must be met by completing 6 credits chosen from:

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		6

Other requirements:

1. 3 credits at the 3000-level or above (as required for a total of 39) 3
2. more non-CSE, non-MATH credits (as required for a total of 30)
3. 6 credits in science (courses cross listed as SC) at the 2000-level or above 6

Minimum total credits 120

[37] *A 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 2006-07 Checklist[38]

BSc Specialised Honours Degree

Intelligent Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1019 3.0	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3402 3.0	CSE3_____ 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4081 6.0				6
Two courses					
CSE4401 3.0 or CSE4402 3.0;		CSE4421 3.0 or CSE4422 3.0			6
One course (3000- or 4000-level)					
	CSE_____ 3.0				3

Faculty Requirements

General education

1000-level:	AK/MATH OR AK/MODR at the 1000 level			6
	HUMA_____ 6.0	SOSC_____ 6.0		12
	NATS: The Natural Science requirement must be met by completing 6 credits chosen from:			
	BIOL1010 6.0 and CHEM1001 3.0)	BIOL1410 6.0 (EATS1010 3.0	(CHEM1000 3.0 and EATS1011 3.0)	
	PHYS1010 6.0	PHYS1410 6.0		6

Other requirements:

1.	3 credits at the 3000-level or above (as required for a total of 39)	3
2.	more non-CSE, non-MATH credits (as required for a total of 30)	
3.	6 credits in science (courses cross listed as SC) at the 2000-level or above	6

Minimum total credits 120

[38] *A 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 2006-07 Checklist[39]

BSc Specialised Honours Degree

Interactive Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1019 3.0	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	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 of	CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0	9

Faculty Requirements

General education

1000-level: AK/MATH OR AK/MODR at the 1000 level 6

HUMA_____ 6.0 SOSC_____ 6.0 12

NATS: The Natural Science requirement must be met by completing 6 credits chosen from:

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 6

Other requirements:

1. 3 credits at the 3000-level or above (as required for a total of 39) 3
2. more non-CSE, non-MATH credits (as required for a total of 30)
3. 6 credits in science (courses cross listed as SC) at the 2000-level or above 6

Minimum total credits 120

[39] *A 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 2006-07 Checklist[40]

BSc Specialised Honours Degree

Communication Networks Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3213 3.0	CSE3451 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4084 6.0				6
and					
	CSE4213 3.0	CSE4214 3.0			6
One course	CSE3_____3.0 or CSE4_____3.0				3

Faculty Requirements

General education

1000-level:	AK/MATH OR AK/MODR at the 1000 level			6
	HUMA_____ 6.0	SOSC_____ 6.0		12

NATS: The Natural Science requirement must be met by completing 6 credits chosen from:

BIOL1010 6.0 and CHEM1001 3.0)	BIOL1410 6.0 (EATS1010 3.0	(CHEM1000 3.0 and EATS1011 3.0)	
PHYS1010 6.0	PHYS1410 6.0		6

Other requirements:

1.	3 credits at the 3000-level or above (as required for a total of 39)	3
2.	more non-CSE, non-MATH credits (as required for a total of 30)	
3.	6 credits in science (courses cross listed as SC) at the 2000-level or above	6

Minimum total credits 120

[40] *A 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 2006-07 Checklist
Computer Security Program (Effective Fall 2007)
BSc Specialised Honours Degree

Students must complete a total of at least 120 credits including a minimum of 57 credits in computer science, 18 credits in mathematics, and at least 30 credits that are not in CSE, or MATH, or ITEC:

		Credit Count
1000-level:	CSE1020 3.0 CSE1030 3.0	6
	OR	
	ITEC1620 3.0 ITEC1630 3.0 ITEC2620 3.0	9
Plus	CSE 1019 3.0 MATH1025 3.0 MATH1090 3.0	9
	MATH1131 3.0 MATH1300 3.0 MATH1310 3.0	9
2000-level:	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
	MATH2030 3.0	3
3000-level:	CSE3002 1.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	10
	CSE3311 3.0 CSE3421 3.0 (OR ITEC3220 3.0) CSE3481 3.0	9
4000-level:	CSE/MATH4161 3.0 CSE4213 3.0 CSE4413 3.0	9
	CSE4481 4.0 CSE4482 3.0	7

Complementary studies:
AK/AS/PHIL20753.0 OR SC/STS3500 3.0 — 3

General education

1000-level:	AK/MATH1700 6.0 OR AK/MODR at the 1000 level	6
	HUMA_____ 6.0 SOSC_____ 6.0	12

NATS: The Natural Science requirement must be met by completing 6 credits chosen from:

BIOL1010 6.0 and CHEM1001 3.0)	BIOL1410 6.0 (EATS1010 3.0 and EATS1011 3.0)	(CHEM1000 3.0
PHYS1010 6.0	PHYS1410 6.0	6

Required courses outside the major: At least 6 additional credits in science (courses cross listed with SC) at the 2000 level or above. — 6

Note 1: MATH 1190 3.0 must be taken if the student has not passed 12U Geometry and Discrete Math.
Note 2: The student must choose to take either CSE 1020 3.0 and CSE 1030 3.0 or ITEC 1620 3.0 and ITEC 1630 3.0 and ITEC 2620 3.0; either sequence of courses meets prerequisites for 2000-level CSE courses, provided a C+ grade is obtained in either CSE 1030 3.0 or ITEC 2620 3.0.
Note 3: Wherever specified ITEC courses are used to satisfy degree requirements in this program they will also be used in the general prerequisite GPA calculation.

Minimum total credits 120

Atkinson Faculty 2006-07 Checklist[41] BA Degree

Computer Science Requirements					Credit Count
1000-level	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		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 Requirements

General education

1000-level:	AK/MATH or AK/MODR at the 1000 level			6
	HUMA_____ 6.0	SOSC_____ 6.0		12
	NATS _____ 6.0			6

Required courses outside the Major: At least 18 credits must be outside the major.

Upper level requirements: Of the required 90 credits for the degree students must complete at least 24 credits at the 3000 level or above.

Minimum total credits 90

[41] *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 2006-07 Checklist[42] BA Specialised Honours Degree

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	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	CSE4_____ 3.0		9
Two courses (3000- or 4000-level)					
	CSE_____ 3.0		CSE_____3.0		6

Faculty Requirements

General education

1000-level:	AK/MATH or AK/MODR at the 1000 level				6
	HUMA_____ 6.0		SOSC_____ 6.0		12
	NATS _____ 6.0				6

Required courses outside the major:

1. At least 18 credits outside the major must be at the 3000 level or above.
2. Of the total credits required towards the degree, 30 must be outside CSE and MATH

Minimum total credits 120

[42] *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 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 2006-07 Checklist[43]

BA Specialised Honours Degree

Intelligent Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3402 3.0	CSE3_____ 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4081 6.0				6
Two courses	CSE4401 3.0 or CSE4402 3.0;		CSE4421 3.0 or CSE4422 3.0		6
One course (3000- or 4000-level)	CSE_____ 3.0				3

Faculty Requirements

General education

1000-level:	AK/MATH or AK/MODR at the 1000 level			6
	HUMA_____ 6.0	SOSC_____ 6.0		12
	NATS _____ 6.0			6

Required courses outside the major:

1. At least 18 credits outside the major must be at the 3000 level or above.
2. Of the total credits required towards the degree, 30 must be outside CSE and MATH

Minimum total credits 120

[43] *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 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 2006-07 Checklist[44]

BA Specialised Honours Degree

Interactive Systems Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	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 courses from					
	CSE4431 3.0	CSE4441 3.0	CSE4461 3.0	CSE4471 3.0	9

Faculty Requirements

General education

1000-level:	AK/MATH or AK/MODR at the 1000 level				6
	HUMA_____ 6.0		SOSC_____ 6.0		12
	NATS _____ 6.0				6

Required courses outside the major:

1. At least 18 credits outside the major must be at the 3000 level or above.
2. Of the total credits required towards the degree, 30 must be outside CSE and MATH

Minimum total credits 120

[44] *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 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 2006-07 Checklist[45]

BA Specialised Honours Degree

Communication Networks Stream

Computer Science Requirements					Credit Count
1000-level:	CSE1020 3.0	CSE1030 3.0	CSE 1019 3.0		9
	MATH1025 3.0	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	12
2000-level:	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
	MATH2030 3.0				3
3000-level	CSE3002 1.0 plus one course from each area below				1
	Theory CSE3101 3.0		Software CSE3311 3.0		6
	Systems CSE3221 3.0		Applications CSE3401 3.0		6
	Two more courses:				
	CSE3213 3.0	CSE3451 3.0			6
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0		3
	CSE4084 6.0				6
and					
	CSE4213 3.0	CSE4214 3.0			6
One course	CSE3_____3.0 or CSE4_____3.0				3

Faculty Requirements

General education

1000-level:	AK/MATH or AK/MODR at the 1000 level			6
	HUMA_____ 6.0		SOSC_____ 6.0	12
	NATS _____ 6.0			6

Required courses outside the major:

1. At least 18 credits outside the major must be at the 3000 level or above.
2. Of the total credits required towards the degree, 30 must be outside CSE and MATH

Minimum total credits 120

[45] *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 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 2006-07 Checklist
Computer Security Program (Effective Fall 2007)
BA Specialised Honours Degree

Students must complete a total of at least 120 credits including a minimum of 57 credits in computer science, 18 credits in mathematics, and at least 30 credits that are not in CSE, or MATH, or ITEC:

		Credit Count
1000-level:	CSE1020 3.0 CSE1030 3.0	6
	OR	
	ITEC1620 3.0 ITEC1630 3.0 ITEC2620 3.0	9
Plus	CSE 1019 3.0 MATH1025 3.0 MATH1090 3.0	9
	MATH1131 3.0 MATH1300 3.0 MATH1310 3.0	9
2000-level:	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
	MATH2030 3.0	3
3000-level:	CSE3002 1.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	10
	CSE3311 3.0 CSE3421 3.0 (OR ITEC3220 3.0) CSE3481 3.0	9
4000-level:	CSE/MATH4161 3.0 CSE4213 3.0 CSE4413 3.0	9
	CSE4481 4.0 CSE4482 3.0	7

Complementary studies:
AK/AS/PHIL20753.0 OR SC/STS3500 3.0 — 3

General education

1000-level:	AK/MATH1700 6.0 OR AK/MODR at the 1000 level	6
	HUMA_____ 6.0 SOSC_____ 6.0	12
	NATS _____ 6.0	6

Required courses outside the major: At least 18 credits outside the major must be at the 3000 level or above

Note 1: MATH 1190 3.0 must be taken if the student has not passed 12U Geometry and Discrete Math.
Note 2: The student must choose to take either CSE 1020 3.0 and CSE 1030 3.0 or ITEC 1620 3.0 and ITEC 1630 3.0 and ITEC 2620 3.0; either sequence of courses meets prerequisites for 2000-level CSE courses, provided a C+ grade is obtained in either CSE 1030 3.0 or ITEC 2620 3.0.
Note 3: Wherever specified ITEC courses are used to satisfy degree requirements in this program they will also be used in the general prerequisite GPA calculation.

Minimum total credits 120