

Degree Checklists

FSE 2007-08 Checklist¹

BSc Degree

Computer Science Requirements Credit Count

<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
<i>3000-level</i>	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 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.

<u>Computer Science Requirements</u>				<u>Credit Count</u>
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	CSE3000 3.0 plus			3
	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

Other Requirements

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 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. 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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

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

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level</i> CSE1020 3.0 CSE1030 3.0 CSE1019 3.0	9
MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9
<i>2000-level</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
<i>3000-level</i> CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
<i>4000-level</i> Four courses CSE4_____ 3.0 CSE4_____ 3.0	6
CSE4_____ 3.0 CSE4_____ 3.0	6

Faculty Requirements²

General Education Courses: _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² The other major may include additional general education and 1000-level SC requirements.

FSE 2007-08 Checklist¹

BSc Honours
 BSc Honours Double Major Degree
 BSc Honours Major/Minor (CSE Major) Degree
 Intelligent Systems Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level</i> CSE1020 3.0 CSE1030 3.0 CSE1019 3.0	9
MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9
<i>2000-level</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
<i>3000-level</i> CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
	CSE3402 3.0
	3
<i>4000-level</i> Three courses:	
	CSE4081 6.0 CSE4401 3.0 or CSE4402 3.0
	9
	CSE4421 3.0 or CSE4422 3.0
	3

Faculty Requirements²

General Education Courses: _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² The other major may include additional general education and 1000-level SC requirements.

FSE 2007-08 Checklist¹

BSc Honours
BSc Honours Double Major Degree
BSc Honours Major/Minor (CSE Major) Degree
Interactive Systems Stream

<u>Computer Science Requirements</u>				<u>Credit Count</u>
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	13
	MATH2030 3.0			3
3000-level	CSE3000 3.0 plus			3
	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 and three of			6
	CSE4431 3.0 CSE4441 3.0 CSE4461 3.0 CSE4471 3.0			9

Faculty Requirements²

General Education Courses: _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² The other major may include additional general education and 1000-level SC requirements.

FSE 2007-08 Checklist¹

BSc Honours
BSc Honours Double Major Degree
BSc Honours Major/Minor (CSE Major) Degree
Communication Networks Stream

<u>Computer Science Requirements</u>				<u>Credit Count</u>
<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	13
	MATH2030 3.0			3
<i>3000-level</i>	CSE3000 3.0 plus			3
	Theory CSE3101 3.0	Software CSE3311 3.0		6
	Systems CSE3221 3.0	Applications CSE3401 3.0		6
	CSE3213 3.0	CSE3451 4.0		7
<i>4000-level</i>	Three courses:			
	CSE4084 6.0	CSE4213 3.0	CSE4214 3.0	12

Faculty Requirements²

General Education Courses: _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² The other major may include additional general education and 1000-level SC requirements.

FSE 2007-08 Checklist¹

BSc Honours Major/Minor (CSE Minor) Degree

<u>Computer Science (Minor) Requirements</u>	<u>Credit Count</u>
1000-level CSE1020 3.0 CSE1030 3.0 CSE1019 3.0	9
2000-level CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
<u>At least 9 additional CSE credits at the 3000 or 4000 levels.</u>	9
<u>Faculty Requirements²</u>	
General Education Courses: _____	12
6 credits from:	
BIOL1010 6.0 PHYS1010 6.0 PHYS1410 6.0 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)	6
<u>Other Honours Subject and Other Courses</u>	
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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² The other major may include additional general education and 1000-level SC requirements.

FSE 2007-08 Checklist¹

BSc Specialised Honours Degree

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level:</i> CSE1020 3.0 CSE1030 3.0 CSE 1019 3.0	9
MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	12
<i>2000-level:</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
<i>3000-level</i> CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
One more course: CSE3_____3.0	3
<i>4000-level:</i> CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4_____3.0 CSE4_____3.0 CSE4_____3.0	9
<i>Two courses (3000- or 4000-level):</i>	
CSE_____3.0 CSE_____3.0	6
<u>Faculty Requirements</u>	
General Education Courses: _____	12
6 credits from:	
BIOL1010 6. 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

¹ A minimum cumulative grade point average of 5.0 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 2006-07 Checklist¹

BSc Specialised Honours Degree
Software Development Stream

<u>Computer Science Requirements</u>		<u>Credit Count</u>
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	CSE3000 3.0 plus	3
	Theory CSE3101 3.0 Software CSE3311 3.0	6
	Systems CSE3221 3.0 Applications CSE3401 3.0	6
	Three more courses:	
	CSE3341 3.0 CSE3421 3.0 CSE3461 3.0	9
4000-level:	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
	CSE4090 6.0	6
	Two more courses: CSE4312 3.0 CSE4313 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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

BSc Specialised Honours Degree
Intelligent Systems Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level:</i> CSE1020 3.0 CSE1030 3.0 CSE 1019 3.0	9
MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	12
<i>2000-level:</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
 <i>3000-level</i> CSE3000 3.0 plus	 3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
One more courses: CSE3402 3.0	3
 <i>4000-level:</i> CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	 3
CSE4081 6.0	6
CSE4401 3.0 or CSE4402 3.0 CSE4421 3.0 or CSE4422 3.0	6
 <i>One course:</i> CSE3____3.0 or CSE4____3.0	 3
 <u>Faculty Requirements</u>	
General Education Courses: _____ _____	12
6 credits from:	
BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

BSc Specialised Honours Degree
Interactive Systems Stream

<u>Computer Science Requirements</u>		<u>Credit Count</u>	
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	CSE3000 3.0 plus	3	
	Theory CSE3101 3.0 Software CSE3311 3.0	6	
	Systems CSE3221 3.0 Applications CSE3401 3.0	6	
		CSE3461 3.0	3
4000-level:	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3	
	CSE4082 6.0 and three of	6	
	CSE4431 3.0 or CSE4441 3.0 or CSE4461 3.0 or CSE4471 3.0	9	

Faculty Requirements

General Education Courses: _____ _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

BSc Specialised Honours Degree
Communication Networks Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>
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 CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
CSE3213 3.0 CSE3451 4.0	7
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4084 6.0 CSE4213 3.0 CSE4214 3.0	12

Faculty Requirements

General Education Courses: _____ 12

6 credits from:

BIOL1010 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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

BASc Specialised Honours Degree
Computer Engineering Stream

					<u>Credit Count</u>
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	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

¹ A minimum cumulative grade point average of 5.0 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 2007-08 Checklist¹

BSc Specialised Honours Degree
Computer Security (Effective Fall 2007)

<u>Computer Science Requirements</u>	<u>Credit Count</u>
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: CSE 3000 3.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	12
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
Other Program Requirements: AK/AS/PHIL20753.0 or SC/STS3500 3.0	3

Faculty Requirements

General Education Courses:² _____ 12

6 credits from:

BIOL1010 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, non-ITEC credits (as required for an overall total of 30)
3. More 3000- or 4000-level credits (as required for an overall total of 42)

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

¹ A minimum cumulative grade point average of 5.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² For students in the FSE PHIL2075 3.0 may count as a General Education course.

Faculty of Arts 2007-08 Checklist¹

BA Degree

Computer Science Requirements **Credit Count**

<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9	
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9	
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	CSE2031 3.0	13
<i>3000-level</i>	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

<i>1000-level:</i>	NATS_____ 6.0	6
	One of HUMA_____ 9.0 or SOSC_____ 9.0	9
<i>2000-level:</i>		
	One of HUMA_____ 9.0 or SOSC_____ 9.0	9
	(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)	

Electives including 18 credits outside CSE

Minimum total credits 90

¹A 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 requiring at least 18 credits in a modern language offered by York University, including the Advanced I university-level course in the chosen language and at least 12 credits of internationally-oriented courses chosen outside the major. Moreover, there is 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 iBA 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.

<u>Computer Science Requirements</u>		<u>Credit Count</u>	
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	CSE3000 3.0 plus		3
	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:			
One of	HUMA_____ 9.0	or	SOSC_____ 9.0
	(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)		9

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹

BA Honours Major Degree

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9	
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9	
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	13	
	MATH2030 3.0			3	
<i>3000-level</i>	CSE3000 3.0 plus			3	
	Theory	CSE3101 3.0	Software	CSE3311 3.0	6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0	6
<i>4000-level</i>	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:
 One of HUMA_____ 9.0 or SOSC_____ 9.0 9
 (Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

<u>Computer Science Requirements</u>				<u>Credit Count</u>
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	13
	MATH2030 3.0			3
3000-level	CSE3000 3.0 plus			3
	Theory CSE3101 3.0	Software	CSE3311 3.0	6
	Systems CSE3221 3.0	Applications	CSE3401 3.0	6
	Three more courses:			
	CSE3341 3.0	CSE3421 3.0	CSE3461 3.0	9
4000-level:	One of CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0			3
	CSE4090 6.0			6
	CSE4312 3.0	CSE4313		6

Faculty Requirements***General education***

1000-level: NATS _____ 6.0 6
One of HUMA _____ 9.0 or SOSC _____ 9.0 9

2000-level:
One of HUMA _____ 9.0 or SOSC _____ 9.0 9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹

BA Honours Major
Intelligent Systems Stream

(including Major/Minor and Double Major where CSE is the Major)

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9	
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9	
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0	13	
	MATH2030 3.0			3	
<i>3000-level</i>	CSE3000 3.0 plus			3	
	Theory	CSE3101 3.0	Software	CSE3311 3.0	6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0	6
				CSE3402 3.0	3
<i>4000-level</i>	CSE4081 6.0			6	
	CSE4401 3.0 or CSE4402 3.0			3	
	CSE4421 3.0 or CSE4422 3.0			3	

Faculty Requirements

General education

1000-level: NATS _____ 6.0
One of HUMA _____ 9.0 or SOSC _____ 9.0 9

2000-level:
One of HUMA _____ 9.0 or SOSC _____ 9.0 9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹

BA Honours Major
Interactive Systems Stream

(including Major/Minor and Double Major where CSE is the Major)

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
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	13	
	MATH2030 3.0			3	
3000-level	CSE3000 3.0 plus			3	
	Theory	CSE3101 3.0	Software	CSE3311 3.0	6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0	6
				CSE3461 3.0	3
4000-level	CSE4082 6.0			6	
	Three of CSE4431 3.0 or CSE4441 3.0 or CSE4461 3.0 or 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: One of HUMA _____ 9.0 or SOSC _____ 9.0 9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹ **BA Honours Major
Communication Networks Stream**
(including Major/Minor and Double Major where CSE is the Major)

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
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	13	
	MATH2030 3.0			3	
3000-level	CSE3000 3.0 plus			3	
	Theory	CSE3101 3.0	Software	CSE3311 3.0	6
	Systems	CSE3221 3.0	Applications	CSE3401 3.0	6
		CSE3213 3.0		CSE3451 4.0	7
4000-level	CSE4084 6.0	CSE4213 3.0	CSE4214 3.0	12	

Faculty Requirements

General education

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

2000-level: One of HUMA_____ 9.0 or SOSC_____ 9.0 9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Additional courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹

BA Honours Minor Degree

Computer Science Requirements Credit Count

1000-level CSE1020 3.0 CSE1030 3.0 CSE1019 3.0 9

2000-level CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0 13

At least 9 additional CSE credits at the 3000 or 4000 levels. 9

Faculty Requirements

General education

1000-level: NATS _____ 6.0 6

One of HUMA _____ 9.0 or SOSC _____ 9.0 9

2000-level:

One of HUMA _____ 9.0 or SOSC _____ 9.0 9

(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Honours Major subject and other courses²

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹ BA Specialised Honours Degree

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level:</i> CSE1020 3.0 CSE1030 3.0 CSE 1019 3.0	9
MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	12
<i>2000-level:</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
<i>3000-level</i> CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
One more course: CSE3_____ 3.0	3
<i>4000-level:</i> CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4_____ 3.0 CSE4_____ 3.0 CSE4_____ 3.0	9
<i>Two courses (3000- or 4000-level):</i>	
CSE_____ 3.0 CSE_____ 3.0	6

Faculty Requirements

General education

<i>1000-level:</i> NATS_____ 6.0	6
One of HUMA_____ 9.0 or SOSC_____ 9.0	9
<i>2000-level:</i>	
One of HUMA_____ 9.0 or SOSC_____ 9.0 (Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)	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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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 2007-08 Checklist¹ BA Specialised Honours Degree
Intelligent Systems Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>	
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 CSE3000 3.0 plus	3	
Theory CSE3101 3.0 Software CSE3311 3.0	6	
Systems CSE3221 3.0 Applications CSE3401 3.0	6	
	CSE3402 3.0	3
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3	
CSE4081 6.0	6	
CSE4401 3.0 or CSE4402 3.0; CSE4421 3.0 or CSE4422 3.0	6	
One course (3000- or 4000-level): 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: One of HUMA_____ 9.0 or SOSC_____ 9.0	9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)	

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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 2007-08 Checklist¹ BA Specialised Honours Degree
Interactive Systems Stream

<u>Computer Science Requirements</u>		<u>Credit Count</u>	
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	CSE3000 3.0 plus	3	
	Theory CSE3101 3.0 Software CSE3311 3.0	6	
	Systems CSE3221 3.0 Applications CSE3401 3.0	6	
		CSE3461 3.0	3
4000-level:	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3	
	CSE4082 6.0	6	
	Three of CSE4431 3.0 or CSE4441 3.0 or CSE4461 3.0 or 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:
 One of HUMA _____ 9.0 or SOSC _____ 9.0 9
 (Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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 2007-08 Checklist¹ BA Specialised Honours Degree
Communication Networks Stream

<u>Computer Science Requirements</u>			<u>Credit Count</u>	
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	CSE3000 3.0 plus			3
	Theory CSE3101 3.0	Software CSE3311 3.0		6
	Systems CSE3221 3.0	Applications CSE3401 3.0		6
	CSE3213 3.0	CSE3451 4.0		7
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0	3
	CSE4084 6.0	CSE4213 3.0	CSE4214 3.0	12

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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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 2007-08 Checklist¹

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

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
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	13	
	MATH2030 3.0			3	
3000-level	CSE3000 3.0 plus			3	
	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
One of HUMA_____ 9.0 or SOSC_____ 9.0 9

2000-level:
One of HUMA_____ 9.0 or SOSC_____ 9.0 9
(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)

Other Honours Major (Minor) Subject and Other Courses²

Courses required 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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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.

² It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2007-08 Checklist¹ BA Specialised Honours Degree
Computer Security (Effective Fall 2007)

<u>Computer Science Requirements</u>		<u>Credit Count</u>
1000-level:	CSE1020 3.0 CSE1030 3.0	6
	Or ²	
	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:	CSE3000 3.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	12
	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
Other Program Requirements:		
	AK/AS/PHIL2075 3.0 or SC/STS3500 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:	One of ³ HUMA_____ 9.0 or SOSC_____ 9.0	9
	(Must be HUMA if a 1000-level SOSC was chosen, or SOSC if a 1000-level HUMA was chosen.)	

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

Note: MATH 1190 3.0 must be taken if the student has not passed 12U Geometry and Discrete Math.

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/ASrules/academic_standing.htm. 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..

² Either sequence of courses at the 1000-level meets prerequisites for 2000-level CSE courses, provided a C+ grade is obtained in either CSE 1030 3.0 or ITEC 2620 3.0.

³ AS/SOSC 2312 9.0 or AS/SOSC 2340 9.0 are highly recommended as fulfilling, in part, General Education requirements.

<u>Computer Science Requirements</u>				<u>Credit Count</u>
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	(CHEM1000 3.0 and CHEM1001 3.0)		
	(EATS1010 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

¹ 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 2007-08 Checklist¹

BSc Specialised Honours Degree

<u>Computer Science Requirements</u>	<u>Credit Count</u>
<i>1000-level:</i> 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
<i>2000-level:</i> CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
MATH2030 3.0	3
<i>3000-level</i> CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
One more course: CSE3_____ 3.0	3
<i>4000-level:</i> CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4_____ 3.0 CSE4_____ 3.0 CSE4_____ 3.0	9
<i>Two courses (3000- or 4000-level):</i>	
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 SOSOC_____ 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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BSc Specialised Honours Degree Intelligent Systems Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>
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 CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
CSE3402 3.0	3
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4081 6.0	6
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
<u>Faculty Requirements</u>	
<u>General education</u>	
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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BSc Specialised Honours Degree Interactive Systems Stream

<u>Computer Science Requirements</u>				<u>Credit Count</u>	
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	CSE3000 3.0 plus				3
	Theory CSE3101 3.0	Software	CSE3311 3.0		6
	Systems CSE3221 3.0	Applications	CSE3401 3.0		6
			CSE3461 3.0		3
4000-level:	CSE4101 3.0	or CSE4111 3.0	or CSE4115 3.0		3
	CSE4082 6.0				6
	Three of CSE4431 3.0	or CSE4441 3.0	or CSE4461 3.0	or 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	(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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BSc Specialised Honours Degree Communication Networks Stream

<u>Computer Science Requirements</u>	<u>Credit Count</u>
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 CSE3000 3.0 plus	3
Theory CSE3101 3.0 Software CSE3311 3.0	6
Systems CSE3221 3.0 Applications CSE3401 3.0	6
CSE3213 3.0 CSE3451 4.0	7
4000-level: CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
CSE4084 6.0	6
CSE4213 3.0 CSE4214 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 (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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BSc Specialised Honours Degree Computer Security Program

<u>Computer Science Requirements</u>	<u>Credit Count</u>
1000-level: CSE1020 3.0 CSE1030 3.0	6
Or ²	
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: CSE3000 3.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0	12
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
Other Program Requirements:	
AK/AS/PHIL2075 3.0 Or SC/STS3500 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 (CHEM1000 3.0 and CHEM1001 3.0)	
(EATS1010 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 with SC) at the 2000 level or above. 6

Minimum total credits 120

Note 1: MATH 1190 3.0 must be taken if the student has not passed 12U Geometry and Discrete Math.

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental general prerequisite cumulative grade point average over all CSE courses must be met to proceed in the program. Wherever specified ITEC courses are used to satisfy degree requirements in this program they will also be used in the general prerequisite GPA calculation.

² 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.

Atkinson Faculty 2007-08 Checklist¹

BA Degree

<u>Computer Science Requirements</u>				<u>Credit Count</u>
<i>1000-level</i>	CSE1020 3.0	CSE1030 3.0	CSE1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
<i>2000-level</i>	CSE2001 3.0	CSE2011 3.0	CSE2021 4.0 CSE2031 3.0	13
<i>3000-level</i>	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

¹ 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 2007-08 Checklist¹ BA Specialised Honours Degree

<u>Computer Science Requirements</u>		<u>Credit Count</u>
<i>1000-level:</i>	CSE1020 3.0 CSE1030 3.0 CSE1019 3.0	9
	MATH1025 3.0 MATH1300 3.0 MATH1310 3.0 MATH1090 3.0	12
<i>2000-level:</i>	CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0	13
	MATH2030 3.0	3
<i>3000-level</i>	CSE3000 3.0 plus	3
	Theory CSE3101 3.0 Software CSE3311 3.0	6
	Systems CSE3221 3.0 Applications CSE3401 3.0	6
	One more course: CSE3_____ 3.0	3
<i>4000-level:</i>	CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0	3
	CSE4_____ 3.0 CSE4_____ 3.0 CSE4_____ 3.0	9
<i>Two courses (3000- or 4000-level):</i>	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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BA Specialised Honours Degree Intelligent Systems Stream

<u>Computer Science Requirements</u>		<u>Credit Count</u>	
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	CSE3000 3.0 plus	3	
	Theory CSE3101 3.0 Software CSE3311 3.0	6	
	Systems CSE3221 3.0 Applications CSE3401 3.0	6	
		CSE3402 3.0	3
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 and		
	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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BA Specialised Honours Degree Interactive Systems Stream

<u>Computer Science Requirements</u>		<u>Credit Count</u>	
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	CSE3000 3.0 plus	3	
	Theory CSE3101 3.0 Software CSE3311 3.0	6	
	Systems CSE3221 3.0 Applications CSE3401 3.0	6	
		CSE3461 3.0	3
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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BA Specialised Honours Degree Communication Networks Stream

<u>Computer Science Requirements</u>				<u>Credit Count</u>
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	CSE3000 3.0 plus			3
	Theory CSE3101 3.0	Software CSE3311 3.0		6
	Systems CSE3221 3.0	Applications CSE3401 3.0		6
	CSE3213 3.0	CSE3451 4.0		7
4000-level:	CSE4101 3.0 or	CSE4111 3.0 or	CSE4115 3.0	3
	CSE4084 6.0			6
	CSE4213 3.0	CSE4214 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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BA Specialised Honours Degree Software Development Stream

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	CSE3000 3.0 plus				3
	Theory CSE3101 3.0	Software	CSE3311 3.0		6
	Systems CSE3221 3.0	Applications	CSE3401 3.0		6
	Three more courses:				
	CSE3341 3.0	CSE3421 3.0	CSE3461 3.0		9
4000-level:	One of CSE4101 3.0 or CSE4111 3.0 or CSE4115 3.0			3	
	CSE4090 6.0				6
	CSE4312 3.0	CSE4313			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

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

Atkinson Faculty 2007-08 Checklist¹

BA Specialised Honours Degree Computer Security Program

<u>Computer Science Requirements</u>	<u>Credit Count</u>
1000-level: CSE1020 3.0 CSE1030 3.0 Or ² ITEC1620 3.0 ITEC1630 3.0 ITEC2620 3.0	6 9
Plus CSE 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1131 3.0 MATH1300 3.0 MATH1310 3.0	9 9
2000-level: CSE2001 3.0 CSE2011 3.0 CSE2021 4.0 CSE2031 3.0 MATH2030 3.0	13 3
3000-level: CSE3000 3.0 CSE3101 3.0 CSE3213 3.0 CSE3221 3.0 CSE3311 3.0 CSE3421 3.0 or ITEC3220 3.0 CSE3481 3.0	12 9
4000-level: CSE/MATH4161 3.0 CSE4213 3.0 CSE4413 3.0 CSE4481 4.0 CSE4482 3.0	9 7
Other Program Requirements: AK/AS/PHIL2075 3.0 Or SC/STS3500 3.0	3

Faculty Requirements

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.

Minimum total credits 120

¹ Students should meet the honours progression requirements as published in http://calendars.registrar.yorku.ca/calendars/2007-2008/AKrules/academic_standing.htm. In addition, the Departmental prerequisite GPA over CSE courses must be met to proceed in the program.

² 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.