Degree Checklists

FSE 2004	-05 Checklist ¹	BSc Deg	ree
Computer S	Science Requirements	Credit Co	ount
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0		9 9
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC203	1 3.0	13
3000-level	One course from each area: Theory COSC3101 3 0 Software COSC3311 3.0		6
	Systems COSC3221 3.0 Applications COSC34	3.0	6
	Two more courses COSC33.0 COSC3	_ 3.0	6
Faculty Rec	uirements		
General Ed	ucation Courses:	_	12
6 credits from	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS14 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1		6

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

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

FSE 2004-05 Checklist ²	BSc Honours Double Major Degree
BSc Honou	irs Major/Minor (COSC Major) Degree

Computer S	cience Require	<u>ments</u>			Credit Co	ount
1000-level	COSC1020 3.0 MATH1090 3.0					9 9
2000-level	COSC2001 3.0 MATH2030 3.0	COSC2011 3.0	COSC2	021 4.0 COSC20	31 3.0	13 3
3000-level	COSC3002 1.0	plus				1
	Theory COS Systems COS		oftware pplication	COSC3311 3.0 ns COSC3401 3.0	-	6 6
4000-level	Four courses	COSC4	_ 3.0	COSC4	_ 3.0	6
		COSC4	_ 3.0	COSC4	_ 3.0	6
Faculty Rec	uirements ³					
General Education Courses:						12
6 credits fror	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. non-COSC/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

 $^{^2}$ 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 COSC courses must be met to proceed in the program.

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

FSE 2004-05 Checklist⁴ BSc Honours Double Major Degree BSc Honours Major/Minor (COSC Major) Degree

Intelligent Systems Stream

Computer S	cience Requirer	nents <u>Credi</u>	t Count		
1000-level	COSC1020 3.0 MATH1090 3.0		9 9		
2000-level	COSC2001 3.0 MATH2030 3.0	COSC2011 3.0 COSC2021 4.0 COSC2031 3.0	13 3		
3000-level	COSC3002 1.0	plus	1		
	Theory COS Systems COS		6 6 3		
4000-level	Three courses:	COSC4081 6.0 COSC4401 3.0 or COSC4402 3.0	9		
		COSC4421 3.0 or COSC4422 3.0	3		
Faculty Rec	uirements ⁵				
General Ed	ucation Courses	:	12		
6 credits from		BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0 .0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0) 6		
Other Honours Subject and Other Courses					

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

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

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

FSE 2004-05 Checklist⁶ BSc Honours Double Major Degree BSc Honours Major/Minor (COSC Major) Degree

Interactive Systems Stream

Computer S	cience Requirements	Credit Count
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 9
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 MATH2030 3.0	3.0 13 3
3000-level	COSC3002 1.0 plus	1
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0COSC3461 3.0COSC3461 3.0	6 6 3
4000-level	Four courses:	
	COSC4082 6.0	6
And three of	COSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3	.0 9
Faculty Rec	uirements ⁷	
General Edu	ucation Courses:	12
6 credits fror	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS14 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1	
<u>Other Hono</u> Including	urs Subject and Other Courses 1. non-COSC/non-MATH credits for an overall total of 30	

2. additional 3000- and 4000-level credits for an overall total of 30 3. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

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

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

FSE 2004-05 Checklist⁸ BSc Honours Double Major Degree BSc Honours Major/Minor (COSC Major) Degree

Communication Networks Stream

Computer S	Science Re	quiren	<u>ients</u>				Credit Co	ount
1000-level	COSC102 MATH109				COSC101 MATH131			9 9
2000-level	COSC200 MATH203		COSC2011	3.0	COSC202	1 4.0 COSC2031	3.0	13 3
3000-level	COSC300)2 1.0 J	olus					1
	Theory Systems	COS	C3101 3.0 C3221 3.0 C3213 3.0		ftware plications	COSC3311 3.0 COSC3401 3.0 COSC3451 3.0		6 6 6
4000-level	Three cou	urses:						
			COSC4084	6.0				6
and			COSC4213	3.0	C	COSC4214 3.0		6
Faculty Rec	uirements	9						
General Ed	ucation Co	ourses					_	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. non-COSC/non-MATH credits for an overall total of 30 2. additional 3000- and 4000-level credits for an overall total of 42 3. additional SC credits for an overall total of 90

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

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

FSE 2004-05 Checklist¹⁰

BSc Honours Major/Minor (COSC Minor) Degree

Computer S	Computer Science (Minor) Requirements Credit Com				
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 9			
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 MATH2030 3.0	1 3.0 13 3			
3000-level	COSC3002 1.0 plus one course from each area below	1			
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6			
4000-level	Four courses COSC43.0 COSC43	3.0 6			
Faculty Rec	uirements ¹¹				
General Education Courses:					
6 credits fror	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS14 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1				

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

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 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 COSC courses must be met to proceed in the program.

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

FSE 2004	05 Checklist ¹²	BSc Specialised Honours De	gree
Computer S	cience Requirements	Credit C	ount
1000-level:	COSC1020 3.0 COSC1030 3.0 MATH1025 3.0 MATH1090 3.0		9 12
2000-level:	COSC2001 3.0 COSC2011 3.0 MATH2030 3.0	COSC2021 4.0 COSC2031 3.0	13 3
3000-level	COSC3002 1.0 plus one course	from each area below	1
	Theory COSC3101 3.0 Systems COSC3221 3.0	Software COSC3311 3.0 Applications COSC3401 3.0	6 6
	Two more courses:		
	COSC33.0	COSC33.0	6
4000-level:	COSC4101 3.0 or COSC4111	3.0 or COSC4115 3.0	3
	COSC43.0 COSC	43.0 COSC43.0	9
Two courses	(3000- or 4000-level)		
	COSC3.0	COSC3.0	6
Faculty Req	<u>uirements</u>		
General Edu	cation Courses:		12
6 credits fror) PHYS1010 6.0 PHYS1410 6.0 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-COSC, 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)

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. In addition, the Departmental prerequisite GPA over COSC courses must be met to proceed in the program.

Computer Science Requirements Credit Co					
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 12			
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 MATH2030 3.0	13 3			
3000-level	COSC3002 1.0 plus one course from each area below	1			
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6			
	Two more courses:				
	COSC3402 3.0 COSC3 3.0	6			
4000-level:	COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3			
	COSC4081 6.0	6			
Two more co	burses				
One course	COSC4401 3.0 or COSC4402 3.0 COSC4421 3.0 or COSC4422 3.0 COSC33.0 or COSC43.0	6 3			
Faculty Requirements					
General Edu	ucation Courses:	12			
6 credits fror	n: 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-COSC, 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)

 $^{^{13}}$ 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 COSC courses must be met to proceed in the program.

Computer S	Computer Science Requirements Credit Co					
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310	9 3.0 12				
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 MATH2030 3.0	3.0 13 3				
3000-level	COSC3002 1.0 plus one course from each area below	1				
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6				
	Two more courses:					
	COSC3461 3.0 COSC3 3.0	6				
4000-level:	COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3				
Three of	COSC4082 6.0	6				
COSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3.0						
Faculty Req	uirements					
General Edu	ucation Courses:	12				
6 credits fror	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS14 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS10					

Additional courses satisfying

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

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

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

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

FSE 2004-05 Checklist¹⁵ **BSc Specialised Honours Degree Communication Networks Stream**

Computer Science Requirements Credit C					
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310	9) 3.0 12			
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 MATH2030 3.0	13.0 13 3			
3000-level	COSC3002 1.0 plus one course from each area below	1			
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6			
	Two more courses:				
	COSC3213 3.0 COSC3451 3.0	6			
4000-level:	COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3			
and	COSC4084 6.0	6			
One course	COSC4213 3.0 COSC4214 3.0 COSC33.0 or COSC43.0	6 3			
Faculty Req	uirements				
General Edu	ucation Courses:	12			
6 credits fror	n: BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS14 (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS10				

Additional courses satisfying

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

 $^{^{15}}$ 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 COSC courses must be met to proceed in the program.

Faculty o	f Arts 20	04-05 Checklist ¹⁶	BA Degre	ee
Computer S	Science Re	quirements	Credit Cou	int
1000-level		20 3.0 COSC1030 3.0 COSC1019 3.0 00 3.0 MATH1300 3.0 MATH1310 3.0		9 9
2000-level	COSC200	01 3.0 COSC2011 3.0 COSC2021 4.0 COSC203	1 3.0	13
3000-level		se from each area:		
	Theory	COSC3101 3 0 Software COSC3311 3.0		6
	Systems	COSC3221 3.0 Applications COSC34	3.0	6
	Two more	e courses COSC33.0 COSC3	3.0	6
Faculty Rec	uirements	<u>.</u>		
General edu 1000-leve		NATS6.0		6
	One of	HUMA9.0 or SOSC	9.0	9
2000-leve	el: Must be	HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen		
	One of	HUMA9.0 or SOSC	9.0	9
Electives in	cluding	18 credits outside COSC		

¹⁶A cumulative grade point average of 4.0 over all courses is required to graduate. In addition, the Departmental prerequisite GPA over COSC courses must be met to proceed in the program.

Faculty of Arts 2004-05 Checklist ¹⁷ BA Honours Major Degree								gree	
Computer S	Science Re	quiren	nents					<u>Credit</u>	Count
1000-level			COSC1030 MATH1300			019 3.0 310 3.0			9 9
2000-level	COSC20 MATH203		COSC2011	3.0 C	OSC2	2021 4.0 CO	SC2031	3.0	13 3
3000-level	COSC30)2 1.0 j	plus one cour	se from	each	area below			1
			C3101 3.0 C3221 3.0			COSC33 ns COSC34			6 6
4000-level	Four cour	ses	COSC4	3.0		COSC4	3.0		6
			COSC4	3.0		COSC4	3.0		6
Faculty Rec	uirements	<u>i</u>							
General edu 1000-leve		NATS	6	6.0					6
	One of	HUM	A	9.0	or	SOSC		9.0	9
2000-leve	2000-level: Must be HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen								
	One of	HUM	A	9.0	or	SOSC		9.0	9

Additional courses¹⁸

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

¹⁷ 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 COSC courses must be met to proceed in the program. To graduate requires a cumulative grade-point-average of 5.0 over all courses.

¹⁸ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Faculty of Arts 2004-05 Checklist¹⁹

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

Computer S	Computer Science Requirements Credit									
1000-level		COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0								
2000-level	COSC200 MATH203		1 3.0 COSC202	1 4.0 COSC2031		3 3				
3000-level	COSC300	1.0 plus				1				
	,	COSC3101 3.0 COSC3221 3.0	Software Applications	COSC3311 3.0 COSC3401 3.0 COSC3402 3.0		6 6 3				
4000-level Three courses COSC4081 6.0										
COSC4401	3.0 or CO	C4402 3.0; COS	6C4421 3.0 or CO	SC4422 3.0		6				
Faculty Req	uirements									
General edu 1000-leve		NATS	6.0			6				
	One of	HUMA	9.0 or SC	DSC	9.0	9				
2000-leve			00-level SOSC was 0-level HUMA was							
	One of	HUMA	9.0 or SC	DSC	9.0	9				

Additional courses²⁰

- 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-COSC, non-MATH credits (as required for an overall total of 30)

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

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

Faculty of Arts 2004-05 Checklist²¹

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

Computer Science Requirements Credit Com									
1000-level	COSC102 MATH109	9 9							
2000-level		COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3 MATH2030 3.0							
3000-level	COSC300	1.0 plus		1					
	,	COSC3101 3.0 COSC3221 3.0	Software COSC3311 3.0 Applications COSC3401 3.0 COSC3461 3.0	6 6 3					
4000-level	Four cour	es: COSC4082 6	5.0	6					
Three of CC	SC4431 3	COSC4441 3.0 C	OSC4461 3.0 COSC4471 3.0	9					
Faculty Req	uirements								
General edu 1000-leve		NATS	_ 6.0	6					
	One of	HUMA	9.0 or SOSC	9.0 9					
2000-leve	<i>l:</i> Must be		evel SOSC was chosen evel HUMA was chosen						
	One of	HUMA	9.0 or SOSC	9.0 9					

Additional courses²²

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

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

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

Faculty of Arts 2004-05 Checklist²³

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

Computer Science Requirements Credit Cour										ount
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0						9 9			
2000-level	COSC200 MATH203		COSC2011 3.0	CO	SC2	021	4.0 COS	C2031	3.0	13 3
3000-level	COSC300	COSC3002 1.0 plus								
	,	COSC	• • • • • • •			ns C	COSC331 COSC340 COSC345	1 3.0		6 6 6
4000-level	Three cou	irses:	COSC4084 6.0							6
and			COSC4213 3.0			CO	SC4214 3	8.0		6
Faculty Rec	uirements									
General edu 1000-leve		NATS_		6.0						6
	One of	HUMA	\	9.0	or	SOS	SC		9.0	9
2000-leve	el: Must be		MA if a 1000-lev SC if a 1000-lev							
	One of	HUMA	\	9.0	or	SOS	SC		9.0	9

Additional courses²⁴

- 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-COSC, non-MATH credits (as required for an overall total of 30)

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

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

Faculty o	Faculty of Arts 2004-05 Checklist ²⁵ BA Honours Minor Degr								gree	
Computer S	Computer Science Requirements Cre								Credit C	Count
1000-level	COSC102 MATH109				OSC1 ATH1					9 9
2000-level	COSC20 MATH203							3.0	13 3	
3000-level	COSC30)2 1.0 J	plus one course	e from e	each	area	below			1
	•		C3101 3.0 C3221 3.0			-	COSC3311 COSC3401			6 6
4000-level	Two cour	ses	COSC4	3.0		COS	SC4	3.0		6
Faculty Rec	uirements	<u>i</u>								
General edu 1000-leve		NATS	6	_ 6.0						6
	One of	HUM	A	_ 9.0	or	SOS	SC		9.0	9
2000-leve										
	Must be		JMA if a 1000-le DSC if a 1000-le							
	One of	HUM	A	_ 9.0	or	SOS	SC		9.0	9
Honours Major subject and other courses ²⁶ 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)

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

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

Faculty of Arts 2004-05 Checklist ²⁷ BA Specialised Honours Degree							
Computer S	cience Re	quirem	<u>ients</u>			Credit Co	ount
1000-level:	COSC102 MATH102				1019 3.0 300 3.0 MATH131	10 3.0	9 12
2000-level:	COSC20 MATH203		COSC2011 3.0) COSC2	2021 4.0 COSC203	31 3.0	13 3
3000-level	COSC30	02 1.0 p	olus one course	from each	area below		1
	,		C3101 3.0 C3221 3.0		COSC3311 3.0 ns COSC3401 3.0		6 6
	Two more	e cours	es:				
	COSC	3	3.0	COSC3_	3.0		6
4000-level:	COSC41	01 3.0	or COSC4111	3.0 or CO	SC4115 3.0		3
	COSC	4	3.0 COSC	4	_3.0 COSC4	3.0	9
Two courses	s (3000- or	4000-le	evel)				
	COSC		3.0	COSC	3.0		6
<u>Faculty Requ</u> General edu							
1000-leve	1:	NATS	S	6.0			6
	One of	HUM	Α	9.0 or	SOSC	9.0	9
2000-leve	l: Must be		IMA if a 1000-lev SC if a 1000-lev				
	One of	HUM	Α	9.0 or	SOSC	9.0	9

Additional courses

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

²⁷ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over COSC 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 2004-05 Checklist²⁸ **BA Specialised Honours Degree** Intelligent Systems Stream

Computer Science Requirements Credit C									
1000-level:	COSC102 MATH102		9 12						
2000-level:	COSC200 MATH203	01 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 30 3.0	13 3						
3000-level	COSC300	02 1.0 plus one course from each area below	1						
		COSC3101 3.0 Software COSC3311 3.0 COSC3221 3.0 Applications COSC3401 3.0	6 6						
	Two more	e courses:							
	COSC	3402 3.0 COSC3 3.0	6						
4000-level:	COSC410	01 3.0 or COSC4111 3.0 or COSC4115 3.0	3						
	COSC	4081 6.0	6						
Two more co		01 3.0 or COSC4402 3.0; COSC4421 3.0 or COSC4422 3.0) 6						
One more co		3.0 or COSC4 3.0	3						
Faculty Requ		5.0 01 00 304 5.0	5						
General edu									
1000-leve	l:	NATS6.0	6						
	One of	HUMA9.0 or SOSC9.0	9						
2000-leve		HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen							
	One of	HUMA9.0 or SOSC9.0	9						

Additional courses

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

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 COSC 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 2004-05 Checklist²⁹ **BA Specialised Honours Degree** Interactive Systems Stream

Computer Science Requirements Credit Co									
1000-level:		COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3							
2000-level:		COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3. MATH2030 3.0							
3000-level	COSC300	2 1.0 plus one course from each area below	1						
	Theory Systems	COSC3101 3.0 Software COSC3311 3.0 COSC3221 3.0 Applications COSC3401 3.0	6 6						
	Two more	courses:							
	COSC	3461 3.0 COSC3 3.0	6						
4000-level:	COSC410	1 3.0 or COSC4111 3.0 or COSC4115 3.0	3						
	COSC	1082 6.0	6						
Three of CO	SC4431 3.0) COSC4441 3.0 COSC4461 3.0 COSC4471 3.0	9						
Faculty Requ	irements								
General edu 1000-leve		NATS6.0	6						
	One of	HUMA9.0 or SOSC	9.09						
2000-leve		HUMA if a 1000-level SOSC was chosen or SOSC if a 1000-level HUMA was chosen							
	One of	HUMA9.0 or SOSC	9.0 9						

Additional courses

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

²⁹ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over COSC 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 2004-05 Checklist³⁰ **BA Specialised Honours Degree Communication Networks Stream**

Computer Science Requirements Credit Com									
1000-level:			COSC1030 3.0 MATH1090 3.0					3.0	9 12
2000-level:	COSC200 MATH203		COSC2011 3.0) C(OSC2	021 4.0	COSC2031	3.0	13 3
3000-level	COSC300)2 1.0 p	olus one course	from	each	area bel	ow		1
			C3101 3.0 C3221 3.0						6 6
	Two more	course	es:						
	COSC	3213 3.	0 COSC345	1 3.0					6
4000-level:	COSC410)1 3.0	or COSC4111	3.0 c	or CO	SC4115	3.0		3
and	COSC	4084 6.	0						6
One course			0 COSC4214 3.0 or COSC4_		3.0				6 3
Faculty Requ	irements								
General edu 1000-leve		NATS	6	6.0					6
	One of	HUMA	A	9.0	or	SOSC_		9.0	9
2000-leve			MA if a 1000-lev SC if a 1000-lev						
	One of	HUMA	۹	9.0	or	SOSC_		9.0	9
Additional c			dite (ac required	d for a	total	of 19)			

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

³⁰ A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over COSC 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 2004-05 Checklist³¹ BA Honours Double Major Degree BA Honours Major/Minor (COSC Major)

Computer S	Credit Count	
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 9
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 CO MATH2030 3.0	SC2031 3.0 13 3
3000-level	COSC3002 1.0 plus one course from each area below	1
	TheoryCOSC3101 3.0SoftwareCOSC33SystemsCOSC3221 3.0ApplicationsCOSC34	
4000-level	Four courses COSC43.0 COSC4	3.0 6
	COSC43.0 COSC4	3.0 6
Eaculty Dec	wiromonto	

Faculty Requirements

General education 1000-level:	NATS	_ 6.0		6
One of	HUMA	_9.0 or SOSC	9.0	9
2000-level: Must be		evel SOSC was chosen evel HUMA was chosen		
One of	HUMA	_9.0 or SOSC	9.0	9

Other Honours Major (Minor) Subject and Other Courses³²

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-COSC, non-MATH credits (as required for an overall total of 30)

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

 $^{^{32}}$ It is recommended that students in Honours programs take a linear algebra course such as MATH1025 3.0 among their electives.

Atkinson	Faculty 2004-	05 Checklist ³³	3		BSc Degree
Computer S	cience Requiren	nents			Credit Count
1000-level		COSC1030 3.0 MATH1300 3.0			9 9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC202	1 4.0 COSC203	1 3.0 13
3000-level	One course from	n each area:			
	Theory COS Systems COS	C3101 3 0 S C3221 3.0 A		COSC3311 3.0 COSC34	-
	Two more cours	es COSC3	3.0	COSC3	3.0 6
Faculty Rec General edu 1000-level:					6
	HUMA	6.0	SOSC	6.0	12
6 credi	(CHEM1000 3.0 (EATS1010 3.0	BIOL1410 6. + CHEM1001 3.(+ EATS1011 3.0) PHYS1410 6))		6

Electives including

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

³³ 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 COSC courses must be met to proceed in the program.

Atkinson Faculty 2004-05 Checklist³⁴ BSc Specialised Honours Degree

	-					
Computer	Science Requirements	<u>.</u>			Credit Co	ount
1000-level:		SC1020 3.0 TH1300 3.0	COSC1030 3.0 MATH1310 3.0			9 12
2000-level:	COSC2001 3.0 CO MATH2030 3.0	SC2011 3.0	COSC2021 4.0) COSC2031	3.0	13 3
3000-level	COSC3002 1.0 plus c	one course fro	om each area be	low		1
	Theory COSC310 Systems COSC322			SC3311 3.0 SC3401 3.0		6 6
	Two more courses:					
	COSC3C	3.0 C	OSC3	_ 3.0		6
4000-level:	COSC4101 3.0 or (3	COSC4111 3	.0 or COSC411	5 3.0		
	COSC4	3.0 COSC4_	3.0 (COSC4	3.0	9
Two course	s (3000- or 4000-level)					
	COSC	3.0 C	OSC	_3.0		6
	<u>quirements</u>					
General ed		due le st				0
1000-level:	MATH1710 6.0 or equ	uivaient				6
	HUMA	6.0	SOSC	6.0		12
Comp	leting 6 credits from the BIOL1010 6.0 E and CHEM1001 3.0) (1	BIOL1410 6.0	(CHEM10		ement	
	PHYS1010 6.0 F		anu LATS	1011 3.0)		6
Electives i	ncluding					
	3 credits at the 3000-leve					3
	nore non-COSC, non-M 6 credits in Science (cou				or above	6
				1:	l	400

³⁴A 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 COSC courses must be met to proceed in the program.

Atkinson Faculty 2004-05 Checklist³⁵ BSc Specialised Honours Degree Intelligent Systems Stream

	•		
Computer S	cience Requirements	Credit Count	
1000-level:	COSC1019 3.0 COSC1020 3.0 COSC1030 3.0 COSC1019 MATH1025 3.0 MATH1300 3.0 MATH1310 3.0 MATH1090		
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 MATH2030 3.0	3.0 13 3	
3000-level	COSC3002 1.0 plus one course from each area below	1	
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6	
	Two more courses:		
	COSC3402 3.0 COSC3 3.0	6	
4000-level:	COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3	
-	COSC4081 6.0	6	
Two courses COSC4401 3.0 or COSC4402 3.0; COSC4421 3.0 or COSC4422 3.0			
One course	(3000- or 4000-level)		
	COSC 3.0	3	
Faculty Rec General edu			
	MATH1710 6.0 or equivalent	6	
		10	
	HUMA6.0 SOSC6.0	12	
Comple	eting 6 credits from the following list will satisfy the Nat. Sci. requir BIOL1010 6.0 BIOL1410 6.0 (CHEM1000 3.0	rement	
	and CHEM1001 3.0) (EATS1010 3.0 and EATS1011 3.0)	6	
	PHYS1010 6.0 PHYS1410 6.0	0	
Electives in	cluding		
	credits at the 3000-level or above (as required for a total of 39) nore non-COSC, non-MATH credits (as required for a total of 30)	3	
	credits in Science (courses cross listed as SC) at the 2000-level	or above 6	
	Minimum tota	al credits 120	

³⁵A 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 COSC courses must be met to proceed in the program.

Atkinson Faculty 2004-05 Checklist³⁶ BSc Specialised Honours Degree Interactive Systems Stream

	•			
<u>Computer</u>	Science Requirements Credit C	ount		
1000-level	: COSC1019 3.0 COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1025 3.0 MATH1300 3.0 MATH1310 3.0 MATH1090 3.0	9 12		
2000-level	: COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 MATH2030 3.0	13 3		
3000-level	COSC3002 1.0 plus one course from each area below	1		
	Theory COSC3101 3.0 Software COSC3311 3.0 Systems COSC3221 3.0 Applications COSC3401 3.0	6 6		
	Two more courses:			
	COSC3461 3.0 COSC3 3.0	6		
4000-level	: COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3		
COSC4082 6.0				
Three of C	OSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3.0	9		
Faculty Re	equirements			
General e	-			
1000-level:	MATH1710 6.0 or equivalent	6		
	HUMA6.0 SOSC6.0	12		
Com	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		
Electives	including			
	3 credits at the 3000-level or above (as required for a total of 39)	3		
	more non-COSC, non-MATH credits (as required for a total of 30) 6 credits in Science (courses cross listed as SC) at the 2000-level or above	6		
	••••••••••••••••••••••••••••••••••••••			

Minimum total credits 120

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

Atkinson Faculty 2004-05 Checklist³⁷ BSc Specialised Honours Degree Communication Networks Stream

Computer	Science Requirements Credit	Count
1000-level	: COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	9 12
2000-level	: COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 MATH2030 3.0	13 3
3000-level	COSC3002 1.0 plus one course from each area below	1
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6
	Two more courses:	
	COSC3213 3.0 COSC3451 3.0	6
4000-level	: COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3
and	COSC4084 6.0	6
One course	COSC4213 3.0 COSC4214 3.0 COSC33.0 or COSC43.0	6 3
	equirements	
General ed		c
1000-level:	MATH1710 6.0 or equivalent	6
	HUMA6.0 SOSC6.0	12
Comp	bleting 6 credits from the following list will satisfy the Nat. Sci. requirement BIOL1010 6.0 BIOL1410 6.0 (CHEM1000 3.0 and CHEM1001 3.0) (EATS1010 3.0 and EATS1011 3.0)	
	PHYS1010 6.0 PHYS1410 6.0	6
Electives	including	
	3 credits at the 3000-level or above (as required for a total of 39)	3
	more non-COSC, non-MATH credits (as required for a total of 30) 6 credits in Science (courses cross listed as SC) at the 2000-level or abov	e 6
	Minimum total credi	te 120

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

Atkinson	BA Degree	
Computer S	cience Requirements	Credit Count
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0	COSC2031 3.0 13
3000-level	One course from each area:	
		SC3311 3.0 6 SC343.0 6
	Two more courses COSC33.0 CO	SC33.0 6

Faculty Requirements

General education

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

Electives including

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

Minimum total credits 90

6

³⁸A 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 COSC courses must be met to proceed in the program.

Atkinson Faculty 2004-05 Checklist³⁹ BA Specialised Honours Degree

Computer S	cience Requirem	<u>ents</u>			Credit Co	unt
1000-level:	COSC1020 3.0 MATH1025 3.0	COSC1030 3.0 MATH1300 3.0		9 3.0 0 3.0 MATH1090	3.0	9 12
2000-level:	COSC2001 3.0 MATH2030 3.0	COSC2011 3.0	COSC202	1 4.0 COSC2031	3.0	13 3
3000-level	COSC3002 1.0 p	lus one course fr	om each are	a below		1
	Theory COSC Systems COSC					6 6
	Two more course	es:				
	COSC3	3.0	COSC3	3.0		6
4000-level:	COSC4101 3.0	or COSC4111	3.0 or COSC	4115 3.0		3
	COSC4	3.0 COSC4	3	.0 COSC4	3.0	9
Two courses	(3000- or 4000-le	vel)				
	COSC	3.0	COSC	3.0		6
<u>Faculty Req</u> General edu						
1000-level:	MATH1710 6.0 o	r equivalent				6
	HUMA	6.0	SOSC	6.0		12
	NATS	6.0				6

Electives including

1. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 COSC credits at the 4000-level.

2. of the total credits required towards the degree, 30 must be outside COSC and MATH

³⁹A 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 2004-05 Checklist⁴⁰ BA Specialised Honours Degree Intelligent Systems Stream

Computer Science Requirements Credit C					Count
1000-level:	COSC1020 3.0 MATH1025 3.0	COSC1030 3.0 MATH1300 3.0		9 3.0 0 3.0 MATH1090 3.0	9 12
2000-level:	COSC2001 3.0 MATH2030 3.0) COSC202	1 4.0 COSC2031 3.0	13 3
3000-level	COSC3002 1.0) plus one course	from each are	ea below	1
	,	SC3101 3.0 SC3221 3.0			6 6
Two more courses:					
	COSC3402	3.0 COSC3	3.0		6
4000-level:	COSC4101 3.0) or COSC4111	3.0 or COSC	4115 3.0	3
	COSC4081	6.0			6
Two courses	COSC4401 3.0	or COSC4402 3.	0; COSC442	21 3.0 or COSC4422 3.0	6
One course	(3000- or 4000-I	evel) COSC	3.0		3
<u>Faculty Req</u> General edu					
1000-level:	MATH1710 6.0	or equivalent			6
	HUMA	6.0	SOSC	6.0	12
	NATS	6.0			6

Electives including

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

⁴⁰A 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 2004-05 Checklist⁴¹ BA Specialised Honours Degree Interactive Systems Stream

Computer Science Requirements Credit					Credit Count
1000-level:	COSC1020 3.0 MATH1025 3.0	COSC1030 3.0 MATH1300 3.0		93.0)3.0 MATH1090	9 3.0 12
2000-level:	COSC2001 3.0 MATH2030 3.0	COSC2011 3.0	COSC202	1 4.0 COSC2031	3.0 13 3
3000-level	COSC3002 1.0	olus one course fr	om each are	a below	1
	,	C3101 3.0 S C3221 3.0 A			6 6
	Two more cours	es:			
	COSC3461 3	.0 COSC3	3.0		6
4000-level:	COSC4101 3.0	or COSC4111	3.0 or COSC	4115 3.0	3
	COSC4082 6	.0			6
Three course	es from				
	COSC4431 3.0	COSC4441 3.0	COSC4461	3.0 COSC4471	3.0 9
<u>Faculty Req</u> General edu					
1000-level:	MATH1710 6.0 d	or equivalent			6
	HUMA	6.0	SOSC	6.0	12
	NATS	6.0			6

Electives including

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

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

Atkinson Faculty 2004-05 Checklist⁴² BA Specialised Honours Degree Communication Networks Stream

Computer Science Requirements Credit Con		
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310	9 0 3.0 12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC203 MATH2030 3.0	1 3.0 13 3
3000-level	COSC3002 1.0 plus one course from each area below	1
	TheoryCOSC3101 3.0SoftwareCOSC3311 3.0SystemsCOSC3221 3.0ApplicationsCOSC3401 3.0	6 6
	Two more courses:	
	COSC3213 3.0 COSC3451 3.0	6
4000-level:	COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0	3
and	COSC4084 6.0	6
One course	COSC4213 3.0 COSC4214 3.0 COSC33.0 or COSC43.0	6 3
Faculty Requirements General education		
	MATH1710 6.0 or equivalent	6
	HUMA6.0 SOSC6.0	12
		12
	NATS6.0	6

Electives including

- 3. 6 additional credits at the 3000-level or above for an overall total of 30 credits at these levels. This is in addition to the 12 COSC credits at the 4000-level.
- 4. of the total credits required towards the degree, 30 must be outside COSC and MATH

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