FSE 2004-05 Checklist[1]   BSc Degree

Computer Science Requirements   **Credit Count**

1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 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	COSC3_____ 3.0	COSC3_____ 3.0	6

Faculty Requirements

General Education Courses: _____ _____ _ ____   _____ ___   12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
              (CHEM1000 3.0 + CHEM1001 3.0)   (EATS1010 3.0 + EATS1011 3.0)   6

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

                                                    Minimum total credits   90

---

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

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

Computer Science Requirements				**Credit Count**
1000-level COSC1020 3.0	COSC1030 3.0	COSC1019 3.0		9
MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
MATH2030 3.0				3
3000-level COSC3002 1.0 plus				1
Theory COSC3101 3.0		Software COSC3311 3.0		6
Systems COSC3221 3.0		Applications COSC3401 3.0		6
4000-level Four courses	COSC4_____ 3.0	COSC4_____ 3.0		6
	COSC4_____ 3.0	COSC4_____ 3.0		6

Faculty Requirements[3]

General Education Courses: _____ _____   12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
(CHEM1000 3.0 + CHEM1001 3.0)   (EATS1010 3.0 + EATS1011 3.0)   6

Other Honours Subject and Other Courses

Including   1. 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

Minimum total credits   120

---

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

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

Intelligent Systems Stream

Computer Science Requirements				**Credit Count**
1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1
	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
				COSC3402 3.0	3

3000-level					
	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
				COSC3402 3.0	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 Requirements[5]

General Education Courses:	_____ _____	12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
(CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)   6

Other Honours Subject 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

Minimum total credits   120

---

[4] *A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over 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 Checklist[6]   **BSc Honours Double Major Degree**
                              BSc Honours Major/Minor (COSC Major) Degree
Interactive Systems Stream

Computer Science Requirements   **Credit Count**

1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1
	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
				COSC3461 3.0	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 Requirements[7]

General Education Courses: _____   _____   12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
            (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)   6

Other Honours Subject 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

Minimum total credits   120

---

[6] *A minimum cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program and to graduate. If the second major is BIOL a minimum cumulative grade-point-average of 6.0 over all SC courses is also required. In addition, the Departmental prerequisite GPA over 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 Checklist[8] **BSc Honours Double Major Degree**
BSc Honours Major/Minor (COSC Major) Degree
Communication Networks Stream

Computer Science Requirements				**Credit Count**
1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1

	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
		COSC3213 3.0		COSC3451 3.0	6

4000-level	Three courses:			
		COSC4084 6.0		6
and		COSC4213 3.0	COSC4214 3.0	6

Faculty Requirements[9]

General Education Courses:	_____ _____	12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
(CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)   6

Other Honours Subject 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

Minimum total credits   120

---

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

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

BSc Honours Major/Minor (COSC Minor) Degree

Computer Science (Minor) Requirements			Credit Count

1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
	MATH2030 3.0				3
3000-level	COSC3002 1.0	plus one course from each area below			1
	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
4000-level	Four courses	COSC4_____ 3.0	COSC4_____ 3.0		6

Faculty Requirements[11]

General Education Courses:	_____ ___	_____ ___	12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0

	(CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)	6

Other Honours Subject 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

---

[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.*

Computer Science Requirements			**Credit Count**

1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0	9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0	12

2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0	3

3000-level COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	6

Two more courses:

    COSC3_____ 3.0   COSC3_____ 3.0   6

4000-level: COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0   3

    COSC4_____ 3.0 COSC4_____ 3.0 COSC4_____ 3.0   9

Two courses (3000- or 4000-level)

    COSC_____ 3.0   COSC_____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-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)

Minimum total credits   120

---

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

Computer Science Requirements			Credit Count

1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0		9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0		12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0		13
	MATH2030 3.0		3
3000-level	COSC3002 1.0 plus one course from each area below		1
	Theory COSC3101 3.0	Software COSC3311 3.0	6
	Systems COSC3221 3.0	Applications COSC3401 3.0	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 courses

	COSC4401 3.0 **or** COSC4402 3.0 COSC4421 3.0 **or** COSC4422 3.0	6
One course	COSC3_____ 3.0 **or** COSC4_____ 3.0	3

Faculty Requirements

General Education Courses:	_____	_____	12

6 credits from:	BIOL1010 6.0 BIOL1410 6.0 PHYS1010 6.0 PHYS1410 6.0	
	(CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)	6

Additional courses satisfying
    1. More SC credits (as required for an overall total of 90)
    2. More non-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)

Minimum total credits   120

---

[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 Science Requirements				Credit Count

1000-level: COSC1020 3.0   COSC1030 3.0   COSC 1019 3.0   9
           MATH1025 3.0   MATH1090 3.0   MATH1300 3.0 MATH1310 3.0   12

2000-level: COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 3.0   13
           MATH2030 3.0   3

3000-level   COSC3002 1.0 plus one course from each area below   1

         Theory   COSC3101 3.0   Software   COSC3311 3.0   6
         Systems   COSC3221 3.0   Applications COSC3401 3.0   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   6
Three of

COSC4431 3.0 COSC4441 3.0   COSC4461 3.0 COSC4471 3.0   9

Faculty Requirements

General Education Courses: _____   _____   12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
               (CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0)   6

Additional courses satisfying
    1. More SC credits (as required for an overall total of 90)
    2. More non-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)

                                  Minimum total credits 120

---

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

Computer Science Requirements				Credit Count

1000-level: COSC1020 3.0   COSC1030 3.0   COSC 1019 3.0 — 9
MATH1025 3.0   MATH1090 3.0   MATH1300 3.0 MATH1310 3.0 — 12

2000-level: COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 3.0 — 13
MATH2030 3.0 — 3

3000-level   COSC3002 1.0 plus one course from each area below — 1

| Theory | COSC3101 3.0 | Software | COSC3311 3.0 | 6 |
| Systems | COSC3221 3.0 | Applications | COSC3401 3.0 | 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

COSC4084 6.0 — 6

and

COSC4213 3.0   COSC4214 3.0 — 6
One course   COSC3_____ 3.0 **or** COSC4_____ 3.0 — 3

Faculty Requirements

General Education Courses: _____   _____ — 12

6 credits from: BIOL1010 6.0   BIOL1410 6.0   PHYS1010 6.0   PHYS1410 6.0
(CHEM1000 3.0 + CHEM1001 3.0) (EATS1010 3.0 + EATS1011 3.0) — 6

Additional courses satisfying
   1. More SC credits (as required for an overall total of 90)
   2. More non-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)

Minimum total credits   120

---

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

Faculty of Arts 2004-05 Checklist[16]   **BA Degree**

Computer Science Requirements   **Credit Count**

1000-level COSC1020 3.0   COSC1030 3.0   COSC1019 3.0   9
              MATH1090 3.0   MATH1300 3.0   MATH1310 3.0   9

2000-level COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 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   COSC3_____ 3.0   COSC3_____ 3.0   6

Faculty Requirements

General education
  1000-level: NATS_____ 6.0   6

              One of   HUMA_____ 9.0 **or** SOSC_____ 9.0   9

  2000-level:
              Must be   HUMA if a 1000-level SOSC was chosen
                           or SOSC if a 1000-level HUMA was chosen

              One of   HUMA_____ 9.0 **or** SOSC_____ 9.0   9

Electives including   18 credits outside COSC

                          Minimum total credits   90

---

[16]*A 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**

Computer Science Requirements   **Credit Count**

1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0		9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0		9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
	MATH2030 3.0				3

3000-level   COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	6

4000-level   Four courses   COSC4_____ 3.0   COSC4_____ 3.0   6

                                 COSC4_____ 3.0   COSC4_____ 3.0   6

Faculty Requirements

General education
  1000-level: NATS_____ 6.0   6

                One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   9

  2000-level:
            Must be   HUMA if a 1000-level SOSC was chosen
                           or SOSC if a 1000-level HUMA was chosen

                One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   9

Additional courses[18]
     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)

                                    Minimum total credits   120

---

[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 Checklist[19]

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

Computer Science Requirements				Credit Count
1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1
	Theory	COSC3101 3.0	Software COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications COSC3401 3.0	6
			COSC3402 3.0	3
4000-level	Three courses			
		COSC4081 6.0		6

COSC4401 3.0 **or** COSC4402 3.0;   COSC4421 3.0 **or** COSC4422 3.0   6

Faculty Requirements

General education

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

2000-level:

Must be   HUMA if a 1000-level SOSC was chosen
or SOSC if a 1000-level HUMA was chosen

One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   9

Additional courses[20]
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)

Minimum total credits   120

---

[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 Checklist[21]
Interactive Systems Stream within a BA Honours Major Degree
(including Major/Minor where COSC is the Major; and Double Major)

Computer Science Requirements				**Credit Count**
1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1
	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
				COSC3461 3.0	3

4000-level	Four courses:	
	COSC4082 6.0	6

Three of COSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3.0	9

Faculty Requirements

General education

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

2000-level:

Must be   HUMA if a 1000-level SOSC was chosen
or SOSC if a 1000-level HUMA was chosen

One of	HUMA_____ 9.0 **or** SOSC_____ 9.0	9

Additional courses[22]
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)

Minimum total credits   120

---

[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 Checklist[23]
Communication Networks Stream within a BA Honours Major Degree
(including Major/Minor where COSC is the Major; and Double Major)

Computer Science Requirements				Credit Count
1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 3.0	13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus			1

	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	6
		COSC3213 3.0		COSC3451 3.0	6

4000-level	Three courses:		
		COSC4084 6.0	6
and		COSC4213 3.0 COSC4214 3.0	6

Faculty Requirements

General education

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

2000-level:

Must be   HUMA if a 1000-level SOSC was chosen
or SOSC if a 1000-level HUMA was chosen

	One of	HUMA_____ 9.0 **or** SOSC_____ 9.0	9

Additional courses[24]

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)

Minimum total credits   120

---

[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.*

Computer Science Requirements			**Credit Count**
1000-level COSC1020 3.0 COSC1030 3.0 COSC1019 3.0			9
MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			9

2000-level   COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 3.0 — 13
MATH2030 3.0 — 3

3000-level   COSC3002 1.0 plus one course from each area below — 1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	6

4000-level   Two courses   COSC4_____ 3.0   COSC4_____ 3.0 — 6

Faculty Requirements

General education
  1000-level: NATS_____ 6.0 — 6

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

  2000-level:
         Must be   HUMA if a 1000-level SOSC was chosen
                or SOSC if a 1000-level HUMA was chosen

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

Honours Major subject and other courses[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)

                    Minimum total credits   120

---

[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 Science Requirements				Credit Count

1000-level: COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 — 9
MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0 — 12

2000-level: COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 — 13
MATH2030 3.0 — 3

3000-level COSC3002 1.0 plus one course from each area below — 1

Theory   COSC3101 3.0   Software   COSC3311 3.0 — 6
Systems   COSC3221 3.0   Applications COSC3401 3.0 — 6

Two more courses:

COSC3_____ 3.0   COSC3_____ 3.0 — 6

4000-level: COSC4101 3.0 or COSC4111 3.0 or COSC4115 3.0 — 3

COSC4_____ 3.0 COSC4_____ 3.0 COSC4_____ 3.0 — 9

Two courses (3000- or 4000-level)

COSC_____ 3.0   COSC_____3.0 — 6

Faculty Requirements

General education
1000-level: NATS_____ 6.0 — 6

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

2000-level:
Must be   HUMA if a 1000-level SOSC was chosen
or SOSC if a 1000-level HUMA was chosen

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

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

Minimum total credits   120

---

[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.*

Computer Science Requirements				**Credit Count**

1000-level:	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0			9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0			13
	MATH2030 3.0			3

3000-level COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	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 courses
          COSC4401 3.0 **or** COSC4402 3.0; COSC4421 3.0 **or** COSC4422 3.0   6
One more course
          COSC3____ 3.0 or COSC4____ 3.0   3

Faculty Requirements

General education
  1000-level: NATS_____ 6.0   6

          One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   9

  2000-level:
          Must be   HUMA if a 1000-level SOSC was chosen
          or SOSC if a 1000-level HUMA was chosen

          One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   9

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

                              Minimum total credits   120

Computer Science Requirements				**Credit Count**

1000-level:	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0			9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0			13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus one course from each area below			1
	Theory COSC3101 3.0	Software COSC3311 3.0		6
	Systems COSC3221 3.0	Applications COSC3401 3.0		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			6
Three of COSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3.0				9

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
	One of HUMA_____ 9.0 **or** SOSC_____ 9.0				9
2000-level:					
	Must be HUMA if a 1000-level SOSC was chosen				
	or SOSC if a 1000-level HUMA was chosen				
	One of HUMA_____ 9.0 **or** SOSC_____ 9.0				9

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

Minimum total credits   120

---

[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.*

Computer Science Requirements			Credit Count

1000-level: COSC1020 3.0   COSC1030 3.0   COSC 1019 3.0   **9**
MATH1025 3.0   MATH1090 3.0   MATH1300 3.0   MATH1310 3.0   **12**

2000-level: COSC2001 3.0   COSC2011 3.0   COSC2021 4.0   COSC2031 3.0   **13**
MATH2030 3.0   **3**

3000-level   COSC3002 1.0 plus one course from each area below   **1**

	Theory COSC3101 3.0	Software COSC3311 3.0	**6**
	Systems COSC3221 3.0	Applications COSC3401 3.0	**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**

COSC4084 6.0   **6**
and

COSC4213 3.0   COSC4214 3.0   **6**
One course   COSC3_____3.0 **or** COSC4_____3.0   **3**

Faculty Requirements

General education
1000-level: NATS_____ 6.0   **6**

One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   **9**

2000-level:
Must be   HUMA if a 1000-level SOSC was chosen
or SOSC if a 1000-level HUMA was chosen

One of   HUMA_____ 9.0   **or**   SOSC_____ 9.0   **9**

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

Minimum total credits   120

---

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

Computer Science Requirements				**Credit Count**
1000-level	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0			9
	MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			9
2000-level	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0			13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus one course from each area below			1
	Theory COSC3101 3.0	Software COSC3311 3.0		6
	Systems COSC3221 3.0	Applications COSC3401 3.0		6
4000-level	Four courses COSC4_____ 3.0	COSC4_____ 3.0		6
	COSC4_____ 3.0	COSC4_____ 3.0		6

Faculty Requirements

General education

1000-level:	NATS_____ 6.0				6
	One of HUMA_____ 9.0 **or** SOSC_____ 9.0				9
2000-level:					
	Must be HUMA if a 1000-level SOSC was chosen				
	or SOSC if a 1000-level HUMA was chosen				
	One of HUMA_____ 9.0 **or** SOSC_____ 9.0				9

Other Honours Major (Minor) Subject and Other Courses[32]

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)

Minimum total credits   120

---

[31] *A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. In addition, the Departmental prerequisite GPA over 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.*

Computer Science Requirements   **Credit Count**

1000-level	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1090 3.0	MATH1300 3.0	MATH1310 3.0	9
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0 COSC2031 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	COSC3_____ 3.0		COSC3_____ 3.0	6

Faculty Requirements

General education

1000-level: MATH1710 6.0   6

HUMA_____ 6.0   SOSC_____ 6.0   12

    6 credits from:
        BIOL1010 6.0   BIOL1410 6.0
        (CHEM1000 3.0 + CHEM1001 3.0)
        (EATS1010 3.0 + EATS1011 3.0)
        PHYS1010 6.0   PHYS1410 6.0   6

Electives including

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

                    Minimum total credits   90

---

[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 Checklist[34] BSc Specialised Honours Degree

Computer Science Requirements   Credit Count

1000-level:	COSC1019 3.0	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
	MATH2030 3.0				3

3000-level   COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	6

Two more courses:

    COSC3_____ 3.0   COSC3_____ 3.0   6

4000-level: COSC4101 3.0   or   COSC4111 3.0 or COSC4115 3.0
3

    COSC4_____ 3.0 COSC4_____ 3.0 COSC4_____ 3.0   9

Two courses (3000- or 4000-level)

    COSC_____ 3.0   COSC_____3.0   6

Faculty Requirements

General education

1000-level: MATH1710 6.0 or equivalent   6

    HUMA_____ 6.0   SOSC_____ 6.0   12

Completing 6 credits from the following list will satisfy the Nat. Sci. requirement

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

    6

Electives including

1.   3 credits at the 3000-level or above (as required for a total of 39)   3
2.   more non-COSC, 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

---

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

Atkinson Faculty 2004-05 Checklist[35] BSc Specialised Honours Degree Intelligent Systems Stream

Computer Science Requirements				Credit Count
1000-level: COSC1019 3.0	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0	9
MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level: COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
MATH2030 3.0				3

3000-level COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	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   6

One course (3000- or 4000-level)

COSC_____ 3.0   3

Faculty Requirements

General education

1000-level: MATH1710 6.0 or equivalent   6

HUMA_____ 6.0   SOSC_____ 6.0   12

Completing 6 credits from the following list will satisfy the Nat. Sci. requirement
BIOL1010 6.0	BIOL1410 6.0	(CHEM1000 3.0	
and CHEM1001 3.0)	(EATS1010 3.0	and EATS1011 3.0)	
PHYS1010 6.0	PHYS1410 6.0		6

Electives including

1. 3 credits at the 3000-level or above (as required for a total of 39)   3
2. more non-COSC, 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

---

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

**Atkinson Faculty 2004-05 Checklist[36] BSc Specialised Honours Degree
Interactive Systems Stream**

Computer Science Requirements	Credit Count

1000-level: COSC1019 3.0   COSC1020 3.0   COSC1030 3.0 COSC1019 3.0 — 9
MATH1025 3.0   MATH1300 3.0   MATH1310 3.0 MATH1090 3.0 — 12

2000-level: COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 3.0 — 13
MATH2030 3.0 — 3

3000-level COSC3002 1.0 plus one course from each area below — 1

Theory   COSC3101 3.0   Software   COSC3311 3.0 — 6
Systems   COSC3221 3.0   Applications COSC3401 3.0 — 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 — 6

Three of COSC4431 3.0 COSC4441 3.0 COSC4461 3.0 COSC4471 3.0 — 9

Faculty Requirements

General education

1000-level: MATH1710 6.0 or equivalent — 6

HUMA_____ 6.0   SOSC_____ 6.0 — 12

Completing 6 credits from the following list will satisfy the Nat. Sci. requirement
BIOL1010 6.0   BIOL1410 6.0   (CHEM1000 3.0
and CHEM1001 3.0) (EATS1010 3.0   and EATS1011 3.0)
PHYS1010 6.0   PHYS1410 6.0 — 6

Electives including

1. 3 credits at the 3000-level or above (as required for a total of 39) — 3
2. more non-COSC, 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

---

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

Atkinson Faculty 2004-05 Checklist[37] BSc Specialised Honours Degree Communication Networks Stream

Computer Science Requirements				Credit Count
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0			9
	MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0			12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0			13
	MATH2030 3.0			3
3000-level	COSC3002 1.0 plus one course from each area below			1
	Theory COSC3101 3.0	Software COSC3311 3.0		6
	Systems COSC3221 3.0	Applications COSC3401 3.0		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
	COSC4084 6.0			6
and				
	COSC4213 3.0 COSC4214 3.0			6
One course	COSC3_____3.0 **or** COSC4_____3.0			3

Faculty Requirements

General education

1000-level:	MATH1710 6.0 or equivalent		6
	HUMA_____ 6.0	SOSC_____ 6.0	12

Completing 6 credits from the following list will satisfy the Nat. Sci. requirement

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

Electives including

4.   3 credits at the 3000-level or above (as required for a total of 39)   3
5.   more non-COSC, non-MATH credits (as required for a total of 30)
6.   6 credits in Science (courses cross listed as SC) at the 2000-level or above   6

Minimum total credits   120

---

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

Computer Science Requirements   **Credit Count**

1000-level   COSC1020 3.0   COSC1030 3.0   COSC1019 3.0   9
              MATH1090 3.0   MATH1300 3.0   MATH1310 3.0   9

2000-level   COSC2001 3.0   COSC2011 3.0   COSC2021 4.0 COSC2031 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   COSC3_____ 3.0   COSC3_____ 3.0   6

Faculty Requirements

General education

1000-level: MATH1710 6.0   6

              HUMA_____ 6.0   SOSC_____ 6.0   12

               NATS _____ 6.0   6

Electives including

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

Minimum total credits   90

---

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

Computer Science Requirements				**Credit Count**
1000-level:	COSC1020 3.0 COSC1030 3.0 COSC1019 3.0			9
	MATH1025 3.0 MATH1300 3.0 MATH1310 3.0 MATH1090 3.0			12
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0			13
	MATH2030 3.0			3

3000-level   COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	6

Two more courses:

COSC3_____ 3.0   COSC3_____ 3.0   6

4000-level: COSC4101 3.0   or   COSC4111 3.0 or COSC4115 3.0   3

COSC4_____ 3.0   COSC4_____ 3.0 COSC4_____ 3.0   9

Two courses (3000- or 4000-level)

COSC_____ 3.0   COSC_____3.0   6

Faculty Requirements
General education

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

<center>**Minimum total credits   120**</center>

---

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

Computer Science Requirements				**Credit Count**
1000-level: COSC1020 3.0	COSC1030 3.0	COSC1019 3.0		9
MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level: COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
MATH2030 3.0				3

3000-level   COSC3002 1.0 plus one course from each area below   1

	Theory	COSC3101 3.0	Software	COSC3311 3.0	6
	Systems	COSC3221 3.0	Applications	COSC3401 3.0	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   6

One course (3000- or 4000-level) COSC_____ 3.0   3

Faculty Requirements
General education

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

Minimum total credits   120

---

[40]*A cumulative grade-point-average of 5.0 over all courses is required to proceed in each year of the program. 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.*

29

Computer Science Requirements	Credit Count

1000-level:	COSC1020 3.0	COSC1030 3.0	COSC1019 3.0		9
	MATH1025 3.0	MATH1300 3.0	MATH1310 3.0	MATH1090 3.0	12
2000-level:	COSC2001 3.0	COSC2011 3.0	COSC2021 4.0	COSC2031 3.0	13
	MATH2030 3.0				3

3000-level   COSC3002 1.0 plus one course from each area below   1

Theory	COSC3101 3.0	Software	COSC3311 3.0	6
Systems	COSC3221 3.0	Applications	COSC3401 3.0	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   6

Three courses from

COSC4431 3.0   COSC4441 3.0   COSC4461 3.0   COSC4471 3.0   9

Faculty Requirements
General education

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

Minimum total credits   120

Atkinson Faculty 2004-05 Checklist[42] BA Specialised Honours Degree Communication Networks Stream

Computer Science Requirements	Credit Count

1000-level: COSC1020 3.0 COSC1030 3.0 COSC 1019 3.0 — 9
MATH1025 3.0 MATH1090 3.0 MATH1300 3.0 MATH1310 3.0 — 12

2000-level: COSC2001 3.0 COSC2011 3.0 COSC2021 4.0 COSC2031 3.0 — 13
MATH2030 3.0 — 3

3000-level COSC3002 1.0 plus one course from each area below — 1

Theory COSC3101 3.0   Software COSC3311 3.0 — 6
Systems COSC3221 3.0   Applications COSC3401 3.0 — 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

COSC4084 6.0 — 6

and

COSC4213 3.0   COSC4214 3.0 — 6
One course   COSC3_____ 3.0 **or** COSC4_____ 3.0 — 3

Faculty Requirements
General education
1000-level: MATH1710 6.0 or equivalent — 6

HUMA_____ 6.0   SOSC_____ 6.0 — 12

NATS _____ 6.0 — 6

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

Minimum total credits   120

---

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