FPAS 2002-03 Checklist[1] — BSc Degree

Computer Science Requirements					Credit Count
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2090 3.0				3
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
3 additional credits from 1000-level Science courses[2] _____	3
Additional courses totalling 21 credits and satisfying 1. More SC credits (as required for a total of 66)	
_____ _____ _____ _____	12
_____ _____ _____	9
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.*

[2] *Excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0, all Natural Science courses, and MATH 2221 3.0 and other non 1000-level equivalents to MATH1025 3.0.*

FPAS 2002-03 Checklist[1] **BSc Hons Double Major Degree**
BSc Hons. Major/Minor (COSC Major) Degree

Computer Science Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2030 3.0	MATH2090 3.0			6
3000-level	One course from each area				
	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[2]

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
3 additional credits from 1000-level Science courses[3]	_____				3

Other Honours Subject and Other Courses[4] (total 42 more credits)

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

_____	_____	_____	_____	_____	15
_____	_____	_____	_____	_____	15
_____	_____	_____	_____		12
				Total credits	**120**

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[1] *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.*

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

[3] *Excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0, all Natural Science courses, and MATH 2221 3.0 and other non 1000-level equivalents to MATH1025 3.0.*

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

FPAS 2002-03 Checklist[1]

BSc Honours Major/Minor (COSC Minor) Degree

Computer Science (Minor) Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2030 3.0	MATH2090 3.0			6
3000-level	One course from each area				
	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[2]

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

3 additional credits from 1000-level Science courses[3] _____ 3

Other Honours Subject and Other Courses[4] (total 48 more credits)

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

_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____	_____	_____	_____	12
			Total credits	**120**

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[1] *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.*

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

[3] *Excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0, all Natural Science courses, and MATH 2221 3.0 and other non 1000-level equivalents to MATH1025 3.0.*

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

FPAS 2002-03 Checklist[1] BSc Specialized Honours Degree

Computer Science Requirements **Credit Count**

1000-level:	COSC1020 3.0 MATH1090 3.0 MATH1300 3.0	9
	COSC1030 3.0 MATH1310 3.0	6
2000-level:	COSC2001 3.0 COSC2011 3.0 COSC2021 3.0 COSC2031 3.0	12
	MATH1025 3.0 MATH2030 3.0 MATH2090 3.0	9
3000-level	One course from each area	
	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	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
3 additional credits from 1000-level Science courses[2] _____	3
Additional courses totalling 27 credits and satisfying 1. More SC credits (as required for a total of 90) 2. More non-COSC, non-MATH credits (as required for a total of 30) 3. More 3000- or 4000-level credits (as required for a total of 42)	
_____ _____ _____ _____ _____	15
_____ _____ _____ _____	12
Total credits	**120**

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[1] *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.*

[2] *Excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0, all Natural Science courses, and MATH 2221 3.0 and other non 1000-level equivalents to MATH1025 3.0.*

Faculty of Arts 2002-03 Checklist[1] — BA Degree

Computer Science Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2090 3.0				3
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	18 credits outside COSC requirements				
	_____	_____	_____		9
	_____	_____	_____		9
				Total Credits	**90**

[1] *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 2002-03 Checklist[1] BA Honours Major Degree

Computer Science Requirements **Credit Count**

1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2030 3.0	MATH2090 3.0			6
3000-level	One course from each area				
	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

Electives 18 credits outside COSC requirements

_____ _____ _____ — 18

Additional courses[2]

1. More 4000-level credits (as required for a total of 18)
2. More 3000- or 4000-level credits (as required for a total of 36)

_____ _____ _____ _____ — 12

_____ _____ _____ — 9

Total Credits 120

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[1] *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.*

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

Computer Science Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2030 3.0	MATH2090 3.0			6
3000-level	One course from each area				
	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[2]

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

_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____	_____	_____		9
			Total Credits	**120**

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[1] *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.*

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

Faculty of Arts 2002-03 Checklist[1] BA Specialized Honours Degree

Computer Science Requirements — **Credit Count**

1000-level: COSC1020 3.0 MATH1090 3.0 MATH1300 3.0 — 9
COSC1030 3.0 MATH1310 3.0 — 6

2000-level: COSC2001 3.0 COSC2011 3.0 COSC2021 3.0 COSC2031 3.0 — 12
MATH1025 3.0 MATH2030 3.0 MATH2090 3.0 — 9

3000-level One course from each area

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 — 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

Electives: 18 credits outside COSC requirements

_____ _____ _____ — 9

_____ _____ _____ — 9

Additional courses

1. More 4000-level credits (as required for a total of 18)

_____ _____ — 6

Total Credits 120

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[1] *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 2002-03 Checklist[1]

BA Honours Double Major Degree

Computer Science Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2030 3.0	MATH2090 3.0			6
3000-level	One course from each area				
	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 Subject and Other Courses[2]

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

_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____	_____	_____	_____	12
_____				3

Total Credits: 120

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[1] *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.*

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

Computer Science Requirements					**Credit Count**
1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2090 3.0				3
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 or MATH17_____ 6.0 or MODES_____ 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
	At least 3 additional credits from 1000-level Science courses (excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0 and all Natural Science courses)			3

Electives

1. 6 credits in Science (courses cross listed as SC) at the 2000-level or above
2. 9 additional credits

_____	_____	_____	9
_____	_____		6
		Total credits	**90**

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[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 COSC courses must be met to proceed in the program.*

Atkinson Faculty 2002-03 Checklist[1]

BSc Specialized Honours Degree

Computer Science Requirements — **Credit Count**

1000-level: COSC1020 3.0 MATH1090 3.0 MATH1300 3.0 — 9
COSC1030 3.0 MATH1310 3.0 — 6

2000-level: COSC2001 3.0 COSC2011 3.0 COSC2021 3.0 COSC2031 3.0 — 12
MATH1025 3.0 MATH2030 3.0 MATH2090 3.0 — 9

3000-level One course from each area

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 — 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 MATH17_____ 6.0 or MODES_____ 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

At least 3 additional credits from 1000-level Science courses (excluding CHEM1500 4.0, MATH1510 6.0, MATH1515 3.0, PHYS1510 4.0 and all Natural Science courses) — 3

Electives

1. 6 credits in Science (courses cross listed as SC) at the 2000-level or above
2. 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)
4. more credits (as required for a total of 120)

_____ _____ _____ _____ — 12

_____ _____ _____ — 9

Total credits **120**

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[1] *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 2002-03 Checklist[1] — BA Degree

Computer Science Requirements — **Credit Count**

1000-level	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH2090 3.0				3
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 or MATH17_____ 6.0 or MODES_____ 6.0			6
	HUMA_____ 6.0	SOSC_____ 6.0		12
	NATS _____ 6.0			6

Electives

1. 6 credits outside COSC requirements
2. 6 credits at the 3000-level or above
3. 6 credits anything

_____	_____	_____	9
_____	_____	_____	9
		Total credits	**90**

[1] *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.*

Atkinson Faculty 2002-03 Checklist[1]

BA Specialized Honours Degree

Computer Science Requirements					**Credit Count**
1000-level:	COSC1020 3.0	MATH1090 3.0	MATH1300 3.0		9
	COSC1030 3.0	MATH1310 3.0			6
2000-level:	COSC2001 3.0	COSC2011 3.0	COSC2021 3.0	COSC2031 3.0	12
	MATH1025 3.0	MATH2030 3.0	MATH2090 3.0		9
3000-level	One course from each area				
	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				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 MATH17_____ 6.0 or MODES_____ 6.0			6
	HUMA_____ 6.0	SOSC_____ 6.0		12
	NATS _____ 6.0			6

Electives

1. 9 credits outside of COSC requirements at the 3000-level or above (or if MATH at the 2000-level or above
2. more credits outside COSC and MATH (as required for a total of 30 credits)
3. more credits (as required for a total of 120)

_____	_____	_____	_____	12
_____	_____	_____	_____	12
			Total credits	**120**

[1] *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.*