

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BInfTech)

Study Plan for

Valid from 2021

1 Major/Minor Combination:

Y1	S2				
	S1				
Y2	S2				
	S1				
Y3	S2				
	S1				

2 Note: of the 48 units required for the program, you must complete at least 8 units of courses at Level 3 or higher and no more than 24 units at Level 1.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

No Major or Minor

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	DECO1800 Design Computing Studio 1: Interactive Technology	COMP2140 Web & Mobile Programming		
	S1	DECO2500 Human-Computer Interaction			
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO3801 Design Computing Studio 3: Build		
	S1	DECO3800 Design Computing Studio 3: Propose			

2

You must choose at least 5 courses (10 units) from the “Advanced Elective Courses” section of the program rules & requirements. At least 2 courses (4 units) of those must be at Level 3 (e.g. CSSE3xxx).

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlnfTech program rules & requirements](#).

Note: of the 48 units required for the program, students must complete at least 8 units of courses at Level 3 or higher and no more than 24 units at Level 1.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Minor in Computer Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

Minor Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design	CSSE2010 Introduction to Computer Systems	
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	CSSE2310 Computer Systems Principles and Programming	
	S1	DECO2500 Human-Computer Interaction			
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO3801 Design Computing Studio 3: Build		
	S1	DECO3800 Design Computing Studio 3: Propose			

2

Choose **2** remaining **Minor Courses** for some free slots, accounting for prerequisites:

S1	COMS3200	
S2	COMP3301 CYBR3000	

3

You must choose at least **2** courses (**4** units) from the “**Advanced Elective Courses**” section of the program rules & requirements.

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlnfTech program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Major in Software Design

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology		
	S1	CSSE2002 Programming in the Large	DECO2500 Human-Computer Interaction		
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	COMP3506 Algorithms & Data Structures	DECO3801 Design Computing Studio 3: Build	
	S1	CSSE3012 The Software Process	DECO3800 Design Computing Studio 3: Propose		

2

Choose **2** remaining **Major Courses** for some free slots, accounting for prerequisites:

S1	COMP2048 COMP3400	CSSE2010 CSSE2310	CSSE3100
S2	COMP3702 CYBR3000	CSSE2010 CSSE2310	DECO3500

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the BlnfTech program rules & requirements.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Major in Software Information Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	INFS2200 Relational Database Systems	
	S1	DECO2500 Human-Computer Interaction			
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO3801 Design Computing Studio 3: Build		
	S1	DECO3800 Design Computing Studio 3: Propose			

2

Choose **4** remaining **Major Courses** for some free slots, accounting for prerequisites:

S1	BISM3222	INFS3200	INFS3202
S2	INFS3200	INFS3208	DATA2001

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the BlnfTech program rules & requirements.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Major in User Experience Design

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology		
	S1	DECO2200 Graphic Design	DECO2500 Human-Computer Interaction		
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO2300 Digital Prototyping	DECO3500 Social & Mobile Computing	DECO3801 Design Computing Studio 3: Build
	S1	DECO3800 Design Computing Studio 3: Propose	DECO3850 Physical Computing & Interaction Design Studio		

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlnfTech program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlInfTech)

Major in Software Design + Minor in Computer Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Minor Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design	CSSE2010 Introduction to Computer Systems	
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	CSSE2310 Computer Systems Principles and Programming	
	S1	CSSE2002 Programming in the Large	DECO2500 Human-Computer Interaction		
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	COMP3506 Algorithms & Data Structures	DECO3801 Design Computing Studio 3: Build	
	S1	CSSE3012 The Software Process	DECO3800 Design Computing Studio 3: Propose		

2

Choose 2 remaining Major Courses for some free slots, accounting for prerequisites:

S1	COMP2048	COMP3400	CSSE3100
S2	COMP3702	CYBR3000	DECO3500

3

Choose 2 remaining Minor Courses for some free slots, accounting for prerequisites:

S1	COMS3200	
S2	COMP3301	CYBR3000

4

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlInfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Major in Software Information Systems + Minor in Computer Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Minor Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design	CSSE2010 Introduction to Computer Systems	
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	INFS2200 Relational Database Systems	CSSE2310 Computer Systems Principles and Programming
	S1	DECO2500 Human-Computer Interaction			
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO3801 Design Computing Studio 3: Build		
	S1	DECO3800 Design Computing Studio 3: Propose			

2

Choose 4 remaining Major Courses for some free slots, accounting for prerequisites:

S1	BISM3222	INFS3200	INFS3202
S2	INFS3200	INFS3208	DATA2001

3

Choose 2 remaining Minor Courses for some free slots, accounting for prerequisites:

S1	COMS3200	
S2	COMP3301	CYBR3000

4

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlInTech)

Major in **User Experience Design** + **Minor in Computer Systems**

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Minor Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design	CSSE2010 Introduction to Computer Systems	
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	DECO2800 Design Computing Studio 2: Testing & Evaluation	CSSE2310 Computer Systems Principles and Programming
	S1	DECO2200 Graphic Design	DECO2500 Human-Computer Interaction		
Y3	S2	DECO2300 Digital Prototyping	DECO3500 Social & Mobile Computing	DECO3801 Design Computing Studio 3: Build	
	S1	DECO3800 Design Computing Studio 3: Propose	DECO3850 Physical Computing & Interaction Design Studio		

Note: It is recommended to enrol in DECO2800 after completing DECO1800. However, to fit this suggested study plan into 3 years, DECO2800 has been placed alongside DECO1800.

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Choose **2** remaining **Minor Courses** for some free slots, accounting for prerequisites:

S1	COMS3200	
S2	COMP3301	CYBR3000

4

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BlInTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlfTech)

Major in **Software Design** + Major in **Software Information Systems**

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	INFS2200 Relational Database Systems	
	S1	CSSE2002 Programming in the Large	DECO2500 Human-Computer Interaction		
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	COMP3506 Algorithms & Data Structures	DECO3801 Design Computing Studio 3: Build	
	S1	CSSE3012 The Software Process	DECO3800 Design Computing Studio 3: Propose		

2

Choose **2** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	COMP2048	COMP3400	CSSE3100
S2	COMP3702	CYBR3000	DECO3500

3

Choose **4** remaining **Secondary Major Courses** for some free slots, accounting for prerequisites:

S1	BISM3222	INFS3200	INFS3202
S2	INFS3200	INFS3208	DATA2001

4

To facilitate a feasible progression plan for this two-major option, you should seek academic advice. Also refer to the [BlfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlnfTech)

Major in Software Design + Major in User Experience Design

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Year	Semester	Compulsory Courses	Primary Major Courses	Secondary Major Courses
Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design	
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	DECO2800 Design Computing Studio 2: Testing & Evaluation
	S1	CSSE2002 Programming in the Large	DECO2500 Human-Computer Interaction	DECO2200 Graphic Design
Y3	S2	COMP3506 Algorithms & Data Structures	DECO3801 Design Computing Studio 3: Build	DECO2300 Digital Prototyping
	S1	CSSE3012 The Software Process	DECO3800 Design Computing Studio 3: Propose	DECO3500 Social & Mobile Computing
	S1			DECO3850 Physical Computing & Interaction Design Studio

Note: It is recommended to enrol in DECO2800 after completing DECO1800. However, to fit this suggested study plan into 3 years, DECO2800 has been placed alongside DECO1800.

2

Choose 2 remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	COMP2048 COMP3400	CSSE2010 CSSE2310	CSSE3100
S2	COMP3702 CYBR3000	CSSE2010 CSSE2310	DECO3500

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

To facilitate a feasible progression plan for this two-major option, you should seek academic advice. Also refer to the [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 2 Start (BlInfTech)

Major in **Software Information Systems** + Major in **User Experience Design**

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	
	S1	DECO1100 Design Thinking	DECO1400 Introduction to Web Design		
Y2	S2	COMP2140 Web & Mobile Programming	DECO1800 Design Computing Studio 1: Interactive Technology	INFS2200 Relational Database Systems	
	S1	DECO2500 Human-Computer Interaction	DECO2200 Graphic Design		
Y3	S2	DECO2800 Design Computing Studio 2: Testing & Evaluation	DECO3801 Design Computing Studio 3: Build	DECO2300 Digital Prototyping	DECO3500 Social & Mobile Computing
	S1	DECO3800 Design Computing Studio 3: Propose	DECO3850 Physical Computing & Interaction Design Studio		

2

Choose **4** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	BISM3222	INFS3200	INFS3202
S2	INFS3200	INFS3208	DATA2001

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

To facilitate a feasible progression plan for this two-major option, you should seek academic advice. Also refer to the [BlInfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Study Plan for

Valid from 2021

1 Major Combination:

Y1	S2				
	S1				
Y2	S2				
	S1				
Y3	S2				
	S1				

2 Note: of the 48 units required for the program, you must complete at least 8 units of courses at Level 3 or higher and no more than 24 units at Level 1.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

No Major or Extended Major

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems		
Y2	S2	COMP3506 Algorithms & Data Structures			
	S1	COMP2048 Theory of Computing			
Y3	S2	DECO3801 Design Computing Studio 3: Build			
	S1				

2

You must choose at least 4 courses (8 units) from the “Introductory Elective Courses” section and at least 3 courses (6 units) from the “Advanced Elective Courses” section of the program rules & requirements.

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BCompSc program rules & requirements](#).

Note: of the 48 units required for the program, students must complete at least 8 units of courses at Level 3 or higher and no more than 24 units at Level 1.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Cyber Security

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems		
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming		
	S1	COMP2048 Theory of Computing			
Y3	S2	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801 Design Computing Studio 3: Build	
	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I		

2

Choose **2** remaining **Major Courses** for some free slots, accounting for prerequisites:

S1	CRIM1000	DECO2500	
S2	CRIM1000	DECO2500	INFS2200

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the BCompSc program rules & requirements.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Data Science

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	
Y2	S2	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems	
	S1	COMP2048 Theory of Computing	STAT2003 Mathematical Probability		
Y3	S2	DECO3801 Design Computing Studio 3: Build	INFS3200 Advanced Database Systems	STAT2004 Statistical Modelling & Analysis	
	S1	COMP4702 Machine Learning			

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BCompSc program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Machine Learning

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	
Y2	S2	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072	MATH2302 Discrete Mathematics II
	S1	COMP2048 Theory of Computing	COMP4702 Machine Learning		
Y3	S2	COMP3710 Pattern Recognition and Analysis	DECO3801 Design Computing Studio 3: Build	STAT3006 Statistical Learning	
	S1				

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BCompSc program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Programming Languages

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	DECO1400 Introduction to Web Design	
Y2	S2	COMP3506 Algorithms & Data Structures	COMP2140 Web & Mobile Programming	CSSE2310 Computer Systems Principles & Programming	
	S1	COMP2048 Theory of Computing	COMP3400 Functional & Logic Programming	CSSE3100 Reasoning About Programs	
Y3	S2	DECO3801 Design Computing Studio 3: Build			
	S1	COMP4403 Compilers and Interpreters			

2

Choose **1** remaining **Major Course** for a free slot, accounting for prerequisites:

S1	DECO2500	
S2	DECO2500	INFS2200

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the BCompSc program rules & requirements.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	
Y2	S2	COMP3506 Algorithms & Data Structures	COSC2500 Numerical Methods in Computational Science	INFS2200 Relational Database Systems	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072
	S1	COMP2048 Theory of Computing	COSC3000 Visualization, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction	
Y3	S2	COSC3500 High-Performance Computing	DECO3801 Design Computing Studio 3: Build		
	S1				

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BCompSc program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Extended Major in Data Science

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	
Y2	S2	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems	INFS3208 Cloud Computing
	S1	COMP2048 Theory of Computing	STAT2003 Mathematical Probability		
Y3	S2	COMP3702 Artificial Intelligence	DECO3801 Design Computing Studio 3: Build	INFS4203 Data Mining	STAT2004 Statistical Modelling & Analysis
	S1	COMP4702 Machine Learning	INFS3200 Advanced Database Systems	INFS4205 Advanced Techniques for High Dimensional Data	

2

Note, there are no remaining **Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Fill the remaining free slots with **Program Electives** or **General Electives** from the [BCompSc program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Cyber Security + Major in Data Science

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	CRIM1000 Introduction to Criminology
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems
	S1	COMP2048 Theory of Computing	INFS3200 Advanced Database Systems	STAT2003 Mathematical Probability	DECO2500 Human-Computer Interaction
Y3	S2	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801 Design Computing Studio 3: Build	STAT2004 Statistical Modelling & Analysis
	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I	COMP4702 Machine Learning	

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

Fill the remaining free slot with a same-level or higher **Program Elective** replacing the course shared between majors — **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Cyber Security + Major in Machine Learning

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	COMP3702 Artificial Intelligence	MATH2302 Discrete Mathematics II
	S1	COMP2048 Theory of Computing	COMP4702 Machine Learning		
Y3	S2	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801 Design Computing Studio 3: Build	COMP3710 Pattern Recognition and Analysis
	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I		

Note: Due to prerequisites & availability of slots in a full-time semester load, it is not possible to fit STAT3006 into Year 3, Semester 2 without overloading. Therefore, this suggested study plan will require a minimum length of 3.5 years to complete. Please contact an academic advisor for alternative approaches.

STAT3006

Statistical Learning

2

Choose **2** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	CRIM1000	DECO2500	
S2	CRIM1000	DECO2500	INFS2200

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in **Cyber Security** + Major in **Programming Languages**

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	DECO1400 Introduction to Web Design	
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	COMP2140 Web & Mobile Programming	
	S1	COMP2048 Theory of Computing	COMP3400 Functional & Logic Programming	CSSE3100 Reasoning About Programs	
Y3	S2	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801 Design Computing Studio 3: Build	
	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I	COMP4403 Compilers and Interpreters	

2

Choose **2** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	CRIM1000	DECO2500	
S2	CRIM1000	DECO2500	INFS2200

3

Choose **1** remaining **Secondary Major Course** for a free slot, accounting for prerequisites:

S1	DECO2500	
S2	DECO2500	INFS2200

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **CSSE2310** (Level 2) and **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Cyber Security + Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	COSC2500 Numerical Methods in Computational Science	INFS2200 Relational Database Systems
	S1	COMP2048 Theory of Computing	COSC3000 Visualization, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction	
Y3	S2	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801 Design Computing Studio 3: Build	COSC3500 High-Performance Computing
	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I		

2

Choose **2** remaining **Primary Major Courses** for some free slots, accounting for prerequisites:

S1	CRIM1000	DECO2500	
S2	CRIM1000	DECO2500	INFS2200

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Data Science + Major in Machine Learning

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Y2	S2	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems	MATH2302 Discrete Mathematics II
	S1	COMP2048 Theory of Computing	STAT2003 Mathematical Probability		
Y3	S2	DECO3801 Design Computing Studio 3: Build	STAT2004 Statistical Modelling & Analysis	COMP3710 Pattern Recognition and Analysis	COMP3702 Artificial Intelligence
	S1	COMP4702 Machine Learning	INFS3200 Advanced Database Systems		

Note: Due to prerequisites & availability of slots in a full-time semester load, it is not possible to fit STAT3006 into Year 3, Semester 2 without overloading. Therefore, this suggested study plan will require a minimum length of 3.5 years to complete. Please contact an academic advisor for alternative approaches.

STAT3006

Statistical Learning

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **MATH1051** (Level 1), **COMP4702** (Level 4) and **DECO3801** (Level 3) — from the **BCompSc** program rules & requirements.



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Data Science + Major in Programming Languages

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	DECO1400 Introduction to Web Design
Y2	S2	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	CSSE2310 Computer Systems Principles & Programming	COMP2140 Web & Mobile Programming
	S1	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	COMP3400 Functional & Logic Programming	CSSE3100 Reasoning About Programs
Y3	S2	DECO3801 Design Computing Studio 3: Build	INFS2200 Relational Database Systems	STAT2004 Statistical Modelling & Analysis	
	S1	COMP4702 Machine Learning	INFS3200 Advanced Database Systems	COMP4403 Compilers and Interpreters	

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Choose **1** remaining **Secondary Major Course** for a free slot, accounting for prerequisites:

S1	DECO2500
S2	DECO2500 INFS2200

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Data Science + Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Y2	S2	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems	COSC2500 Numerical Methods in Computational Science
	S1	COMP2048 Theory of Computing	STAT2003 Mathematical Probability	SCIE2100 Bioinformatics 1: Introduction	COSC3000 Visualization, Computer Graphics & Data Analysis
Y3	S2	DECO3801 Design Computing Studio 3: Build	INFS3200 Advanced Database Systems	STAT2004 Statistical Modelling & Analysis	COSC3500 High-Performance Computing
	S1	COMP4702 Machine Learning			

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **MATH1051** (Level 1), **INFS2200** (Level 2) and **DECO3801** (Level 3) — from the BCompSc program rules & requirements.



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Machine Learning + Major in Programming Languages

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	DECO1400 Introduction to Web Design
Y2	S2	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072	COMP2140 Web & Mobile Programming
	S1	COMP2048 Theory of Computing	COMP4702 Machine Learning	COMP3400 Functional & Logic Programming	CSSE2310 Computer Systems Principles & Programming
Y3	S2	COMP3710 Pattern Recognition and Analysis	DECO3801 Design Computing Studio 3: Build	STAT3006 Statistical Learning	MATH2302 Discrete Mathematics II
	S1	COMP4403 Compilers and Interpreters	CSSE3100 Reasoning About Programs		

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Choose **1** remaining **Secondary Major Course** for a free slot, accounting for prerequisites:

S1	DECO2500
S2	DECO2500 INFS2200

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Machine Learning + Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	MATH1052 Multivariate Calculus & Ordinary Differential Equations
Y2	S2	COMP3506 Algorithms & Data Structures	COMP3702 Artificial Intelligence	COSC2500 Numerical Methods in Computational Science	INFS2200 Relational Database Systems
	S1	COMP2048 Theory of Computing	COMP4702 Machine Learning	COSC3000 Visualization, Computer Graphics & Data Analysis	SCIE2100 Bioinformatics 1: Introduction
Y3	S2	COMP3710 Pattern Recognition and Analysis	DECO3801 Design Computing Studio 3: Build	STAT3006 Statistical Learning	MATH2302 Discrete Mathematics II
	S1				

Note: Due to prerequisites & availability of slots in a full-time semester load, it is not possible to fit COSC3500 into Year 3, Semester 2 without overloading. Therefore, this suggested study plan will require a minimum length of 3.5 years to complete. Please contact an academic advisor for alternative approaches.

COSC3500

High-Performance Computing

2

Note, there are no remaining **Primary Major Courses** for this major. Go to Step 3.

S1	—	—	—
S2	—	—	—

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **MATH1051** (Level 1), **MATH1052** (Level 1) and **DECO3801** (Level 3) — from the **BCompSc** program rules & requirements.



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 2 Start (BCompSc)

Major in Programming Languages + Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Primary Major Courses

Secondary Major Courses

Y1	S2	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics	STAT1201 Analysis of Scientific Data Or STAT1301
	S1	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071	DECO1400 Introduction to Web Design
Y2	S2	COMP3506 Algorithms & Data Structures	CSSE2310 Computer Systems Principles & Programming	COSC2500 Numerical Methods in Computational Science	MATH1052 Multivariate Calculus & Ordinary Differential Equations Or MATH1072
	S1	COMP2048 Theory of Computing	COMP3400 Functional & Logic Programming	CSSE3100 Reasoning About Programs	SCIE2100 Bioinformatics 1: Introduction
Y3	S2	DECO3801 Design Computing Studio 3: Build	COMP2140 Web & Mobile Programming	COSC3500 High-Performance Computing	INFS2200 Relational Database Systems
	S1	COMP4403 Compilers and Interpreters	COSC3000 Visualization, Computer Graphics & Data Analysis		

2

Choose **1** remaining **Primary Major Course** for a free slot, accounting for prerequisites:

S1	DECO2500		
S2	DECO2500	INFS2200	

3

Note, there are no remaining **Secondary Major Courses** for this major. Go to Step 4.

S1	—	—	—
S2	—	—	—

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3801** (Level 3) — from the [BCompSc program rules & requirements](#).



Course offered in both Semester 1 & 2.