

Bachelor of Information Technology

Suggested Study Plan for Semester 1 Start (BInfTech)

Study Plan for

Valid from 2021

1 Major/Minor Combination:

Y1	S1				
	S2				
Y2	S1				
	S2				
Y3	S1				
	S2				

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 1 Start (BlnfTech)

No Major or Minor

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

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

2

You must choose at least 5 courses (10 units) from the “Advanced Elective Courses” section of the [BlnfTech 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, you 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 1 Start (BlnfTech)

Minor in Computer Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

Minor Courses

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

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 **BlnfTech 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 1 Start (BlfTech)

Major in Software Design

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 [BlfTech program rules & requirements](#).

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 1 Start (BlfTech)

Major in Software Information Systems

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 BlfTech program rules & requirements.

1+2

Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 1 Start (BlnfTech)

Major in User Experience Design

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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

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

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 1 Start (BlnfTech)

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

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 [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 1 Start (BlnfTech)

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

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

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

S1	BISM3222	INFS3200	INFS3202
S2	INFS3200	INFS3208	DATA2001

4

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3800** (Level 3) and **DECO3801** (Level 3) — from the [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 1 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

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

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

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3800** (Level 3) and **DECO3801** (Level 3) — from the [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Information Technology

Suggested Study Plan for Semester 1 Start (BlnfTech)

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

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

Fill the remaining free slots with same-level or higher **Program Electives** replacing the courses shared between majors — including **DECO3800** (Level 3) and **DECO3801** (Level 3) — from the [BlnfTech program rules & requirements](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 1 Start (BCompSc)

Study Plan for

Valid from 2021

1 Major Combination:

Y1	S1				
	S2				
Y2	S1				
	S2				
Y3	S1				
	S2				

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 1 Start (BCompSc)

No Major or Extended Major

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Extension Courses

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

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 1 Start (BCompSc)

Major in Cyber Security

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 1 Start (BCompSc)

Major in Data Science

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 1 Start (BCompSc)

Major in Machine Learning

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 1 Start (BCompSc)

Major in Programming Languages

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 1 Start (BCompSc)

Major in Scientific Computing

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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 1 Start (BCompSc)

Extended Major in Data Science

Valid from 2021

1

The table below shows the required:

Compulsory Courses

Major Courses

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

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](#).



Course offered in both Semester 1 & 2.

Bachelor of Computer Science

Suggested Study Plan for Semester 1 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	S1	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics
	S2	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071
Y2	S1	COMP2048 Theory of Computing	CSSE2310 Computer Systems Principles & Programming	STAT1201 Analysis of Scientific Data Or STAT1301
	S2	COMP3506 Algorithms & Data Structures	CYBR3000 Information Security	CRIM1000 Introduction to Criminology
Y3	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I	STAT2003 Mathematical Probability
	S2	COMP3301 Operating Systems Architecture	DECO2500 Human-Computer Interaction	DATA2001 Introduction to Data Science
				INFS2200 Relational Database Systems
				INFS3200 Advanced Database Systems
				COMP4702 Machine Learning
				STAT2004 Statistical Modelling & Analysis

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

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 1 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	S1	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics
	S2	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	STAT1201 Analysis of Scientific Data Or STAT1301
Y2	S1	COMP2048 Theory of Computing	CSSE2310 Computer Systems Principles & Programming	CSSE3100 Reasoning About Programs
	S2	COMP3506 Algorithms & Data Structures	CYBR3000 Information Security	COMP2140 Web & Mobile Programming
Y3	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I	COMP3400 Functional & Logic Programming
	S2	COMP3301 Operating Systems Architecture	DECO3801 Design Computing Studio 3: Build	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 1 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	S1	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061 Discrete Mathematics
	S2	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051 Calculus & Linear Algebra Or MATH1071
Y2	S1	COMP2048 Theory of Computing	CSSE2310 Computer Systems Principles & Programming	STAT1201 Analysis of Scientific Data Or STAT1301
	S2	COMP3506 Algorithms & Data Structures	CYBR3000 Information Security	SCIE2100 Bioinformatics 1: Introduction
Y3	S1	COMP3320 Vulnerability Assessment and Penetration Testing	COMS3200 Computer Networks I	COSC2500 Numerical Methods in Computational Science
	S2	COMP3301 Operating Systems Architecture	DECO3801 Design Computing Studio 3: Build	COSC3000 Visualization, Computer Graphics & Data Analysis
				INFS2200 Relational Database Systems
				COSC3500 High-Performance Computing

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

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

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

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

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

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), **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 1 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

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

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.