

**Suggested Study Plan for Semester 1 Start (BInfTech)** 

Study	y Plan 1	for		 Valid from 2021
1	Majo	r/Minor Combinatio	on:	 
Y1	<b>S1</b>			
	<b>S2</b>			
Y2	<b>S1</b>			
	<b>S2</b>			
<b>Y3</b>	<b>S1</b>			
	<b>S2</b>			

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.





No Major or Minor Valid from 2021

1	The tal	ole below shows the require	ed: Compulsory Courses	Extension Courses	
Y1	<b>S1</b>	CSSE1001  Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio 1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	DECO2500  Human-Computer Interaction			
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation		
Y3	<b>S1</b>	DECO3800  Design Computing Studio 3: Propose			
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build			

2

You must choose at least 5 courses (10 units) from the "Advanced Elective Courses" section of the <u>BInfTech program rules & requirements</u>. 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 <u>BlnfTech program rules & requirements</u>.

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.







#### **Minor in Computer Systems**

Valid from 2021

1	The tal	ole below shows the require	cd: Compulsory Courses	Extension Courses	Minor Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio  1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	DECO2500  Human-Computer Interaction	CSSE2010 Introduction to Computer Systems		
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	CSSE2310  Computer Systems Principles and Programming	
Y3	<b>S1</b>	DECO3800  Design Computing Studio 3: Propose			
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build			



<b>S1</b>	COMS3200		
<b>S2</b>	COMP3301	CYBR3000	

3

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

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



**Suggested Study Plan for Semester 1 Start (BInfTech)** 



#### **Major in Software Design**

Valid from 2021





<b>S1</b>	COMP2048 COMP3400	CSSE2010 CSSE2310	CSSE3100
<b>S2</b>	COMP3702 CYBR3000	CSSE2010 CSSE2310	DECO3500



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

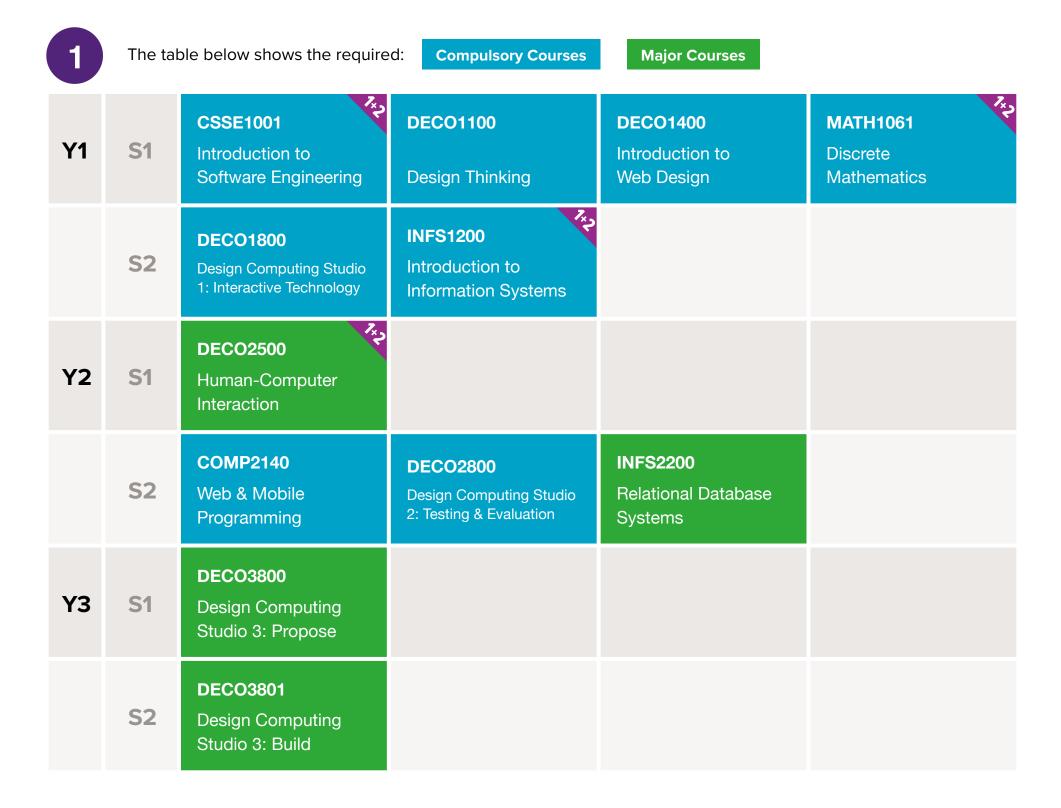


**Suggested Study Plan for Semester 1 Start (BInfTech)** 



#### **Major in Software Information Systems**

Valid from 2021





<b>S1</b>	BISM3222	INFS3200	INFS3202
<b>S2</b>	INFS3200	INFS3208	DATA2001



Fill the remaining free slots with **Program Electives** or **General Electives** from the

<u>BlnfTech program rules & requirements</u>.



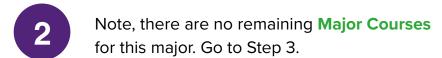


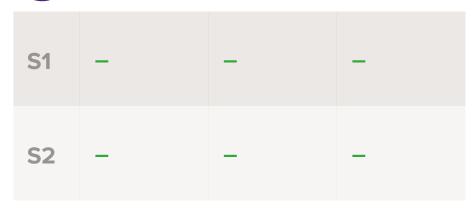


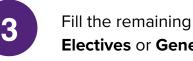
**Major in User Experience Design** 

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Major Courses	
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio 1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	DECO2200  Graphic Design	DECO2500  Human-Computer Interaction		
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	DECO2300  Digital Prototyping	
<b>Y3</b>	<b>S1</b>	DECO3800  Design Computing  Studio 3: Propose	DECO3850 Physical Computing & Interaction Design Studio	)	
	<b>S2</b>	DECO3500  Social & Mobile  Computing	DECO3801  Design Computing  Studio 3: Build		







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



**Suggested Study Plan for Semester 1 Start (BInfTech)** 



**Major in Software Design + Minor in Computer Systems** 

Valid from 2021

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

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

S1	COMP2048	COMP3400	CSSE3100
<b>S2</b>	COMP3702	CYBR3000	DECO3500

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

<b>S1</b>	COMS3200		
<b>S2</b>	COMP3301	CYBR3000	



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





**Suggested Study Plan for Semester 1 Start (BInfTech)** 

**Major in Software Information Systems** + **Minor in Computer Systems** 

Valid from 2021

1	The tal	ole below shows the require	ed: Compulsory Courses	Major Courses M	inor Courses
Y1	<b>S1</b>	CSSE1001 Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio  1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S</b> 1	DECO2500  Human-Computer Interaction	CSSE2010 Introduction to Computer Systems		
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	INFS2200 Relational Database Systems	CSSE2310  Computer Systems Principles and Programming
Y3	<b>S1</b>	DECO3800  Design Computing Studio 3: Propose			
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build			



<b>S1</b>	BISM3222	INFS3200	INFS3202
<b>S2</b>	INFS3200	INFS3208	DATA2001

3	Choose <b>2</b> remaining <b>Minor Courses</b> for some free slots, accounting for prerequisites:
	for some free slots, accounting for prerequisites:

<b>S1</b>	COMS3200		
<b>S2</b>	COMP3301	CYBR3000	



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



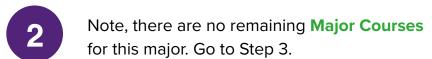




Major in User Experience Design + Minor in Computer Systems

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Major Courses M	inor Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio 1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	<b>DECO2200</b> Graphic Design	DECO2500  Human-Computer Interaction	CSSE2010 Introduction to Computer Systems	
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	DECO2300  Digital Prototyping	CSSE2310  Computer Systems Principles and Programming
Y3	<b>S</b> 1	DECO3800  Design Computing Studio 3: Propose	DECO3850  Physical Computing &  Interaction Design Studic	)	
	<b>S2</b>	DECO3500  Social & Mobile  Computing	DECO3801  Design Computing  Studio 3: Build		



<b>S1</b>	_	-	_
<b>S2</b>	_	_	_

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

<b>S1</b>	COMS3200	
<b>S2</b>	COMP3301	CYBR3000



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







Major in Software Design + Major in Software Information Systems

Valid from 2021

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



<b>S1</b>	COMP2048 COMP3400	CSSE2010 CSSE2310	CSSE3100
<b>S2</b>	COMP3702 CYBR3000	CSSE2010 CSSE2310	DECO3500

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

<b>S1</b>	BISM3222	INFS3200	INFS3202
<b>S2</b>	INFS3200	INFS3208	DATA2001



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 <u>BlnfTech program rules & requirements</u>.







Major in Software Design + Major in User Experience Design

Valid from 2021

1	The tal	ble below shows the require	ed: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001  Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio 1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	CSSE2002  Programming in the Large	DECO2500  Human-Computer Interaction	<b>DECO2200</b> Graphic Design	
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	COMP3506 Algorithms & Data Structures	DECO2300  Digital Prototyping
Y3	<b>S1</b>	CSSE3012 The Software Process	DECO3800  Design Computing  Studio 3: Propose	DECO3850  Physical Computing & Interaction Design Studion	0
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build	DECO3500  Social & Mobile  Computing		



<b>S1</b>	COMP2048 COMP3400	CSSE2010 CSSE2310	CSSE3100
<b>S2</b>	COMP3702 CYBR3000	CSSE2010 CSSE2310	DECO3500

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

<b>S</b> 1	_	-	_
<b>S2</b>	_	_	_



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 <u>BlnfTech program rules & requirements</u>.





**Suggested Study Plan for Semester 1 Start (BInfTech)** 

Valid from 2021

Major in Software Information Systems + Major in User Experience Design

1	The tak	ole below shows the require	ed: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	MATH1061  Discrete  Mathematics
	<b>S2</b>	DECO1800  Design Computing Studio 1: Interactive Technology	INFS1200 Introduction to Information Systems		
Y2	<b>S1</b>	DECO2500  Human-Computer Interaction	DECO2200  Graphic Design		
	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO2800  Design Computing Studio 2: Testing & Evaluation	INFS2200 Relational Database Systems	DECO2300  Digital Prototyping
Y3	<b>S1</b>	DECO3800  Design Computing Studio 3: Propose	DECO3850  Physical Computing & Interaction Design Studio		
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build	DECO3500 Social & Mobile Computing		

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

<b>S1</b>	BISM3222	INFS3200	INFS3202
<b>S2</b>	INFS3200	INFS3208	DATA2001

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

<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



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 <u>BlnfTech program rules & requirements</u>.





**Suggested Study Plan for Semester 1 Start (BCompSc)** 

Stud	y Plan 1	for	 	Valid from 2021
1	Majo	r Combination:	 	
Y1	<b>S1</b>			
	<b>S2</b>			
Y2	<b>S1</b>			
	<b>S2</b>			
Y3	<b>S1</b>			
	<b>S2</b>			

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.

**Suggested Study Plan for Semester 1 Start (BCompSc)** 



No Major or Extended Major

Valid from 2021





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 <u>BCompSc program rules & requirements</u>.

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.



**Suggested Study Plan for Semester 1 Start (BCompSc)** 



**Major in Cyber Security** 

Valid from 2021





<b>S1</b>	CRIM1000	DECO2500	
<b>S2</b>	CRIM1000	DECO2500	INFS2200



Fill the remaining free slots with **Program Electives** or **General Electives** from the

<u>BCompSc program rules & requirements.</u>



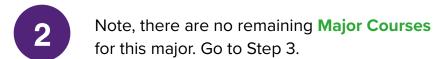
**Suggested Study Plan for Semester 1 Start (BCompSc)** 

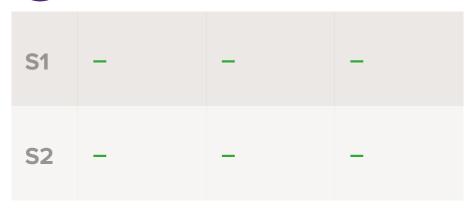


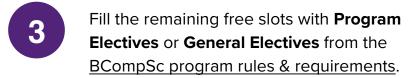
**Major in Data Science** 

Valid from 2021

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









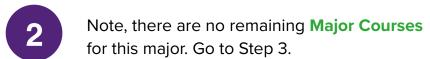
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



**Major in Machine Learning** 

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Major Courses	
Y1	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051 Calculus & Linear Algebra Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing			
	<b>S2</b>	COMP3506 Algorithms & Data Structures	COMP3702  Artificial Intelligence	MATH2302 Discrete Mathematics II	
Y3	<b>S1</b>	COMP4702			
		Machine Learning			
	<b>S2</b>	COMP3710  Pattern Recognition and Analysis	<b>DECO3801</b> Design Computing  Studio 3: Build	STAT3006 Statistical Learning	



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



Fill the remaining free slots with **Program Electives** or **General Electives** from the

<u>BCompSc program rules & requirements.</u>



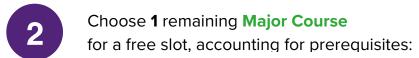
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



### **Major in Programming Languages**

Valid from 2021

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



<b>S1</b>	DECO2500		
<b>S2</b>	DECO2500	INFS2200	



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



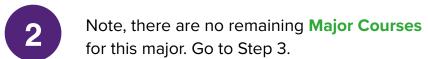


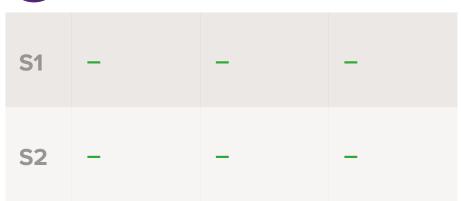


### **Major in Scientific Computing**

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Major Courses	
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing	SCIE2100 Bioinformatics 1: Introduction		
	<b>S2</b>	COMP3506  Algorithms &  Data Structures	COSC2500  Numerical Methods in  Computational Science	INFS2200 Relational Database Systems	
Y3	<b>S1</b>	COSC3000  Visualization, Computer  Graphics & Data Analysis			
	<b>S2</b>	COSC3500  High-Performance  Computing	DECO3801  Design Computing  Studio 3: Build		







Fill the remaining free slots with **Program Electives** or **General Electives** from the

<u>BCompSc program rules & requirements.</u>



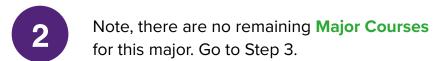
**Suggested Study Plan for Semester 1 Start (BCompSc)** 

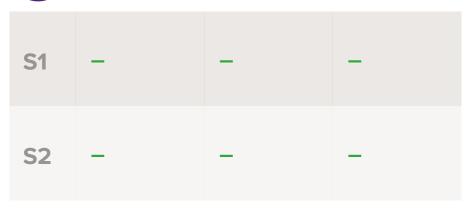


### **Extended Major in Data Science**

Valid from 2021

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







Fill the remaining free slots with **Program Electives** or **General Electives** from the

<u>BCompSc program rules & requirements.</u>



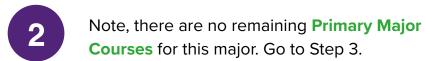
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Cyber Security + Major in Data Science

Valid from 2021

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



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_

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

<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



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



**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Cyber Security + Major in Machine Learning

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing	CSSE2310  Computer Systems Principles & Programming		
	<b>S2</b>	COMP3506 Algorithms & Data Structures	CYBR3000 Information Security	COMP3702  Artificial Intelligence	MATH2302 Discrete Mathematics II
<b>Y3</b>	<b>S1</b>	COMP3320  Vulnerability Assessment and Penetration Testing	COMS3200  Computer Networks I	COMP4702  Machine Learning	
	<b>S2</b>	COMP3301 Operating Systems Architecture	DECO3801  Design Computing  Studio 3: Build	COMP3710  Pattern Recognition and Analysis	STAT3006 Statistical Learning



<b>S1</b>	CRIM1000	DECO2500	
<b>S2</b>	CRIM1000	DECO2500	INFS2200

3	Note, there are no remaining <b>Secondary Major</b>
	Courses for this major. Go to Step 4.

<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



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



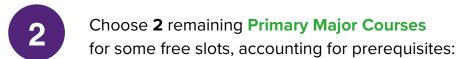
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



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

Valid from 2021

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



<b>S1</b>	CRIM1000	DECO2500	
<b>S2</b>	CRIM1000	DECO2500	INFS2200

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

<b>S1</b>	DECO2500	
<b>S2</b>	DECO2500	INFS2200



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 <u>BCompSc program rules & requirements</u>.



**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Cyber Security + Major in Scientific Computing

Valid from 2021

1	The tal	ole below shows the require	ed: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing	CSSE2310  Computer Systems Principles & Programming	SCIE2100  Bioinformatics 1: Introduction	
	<b>S2</b>	COMP3506 Algorithms & Data Structures	CYBR3000 Information Security	COSC2500  Numerical Methods in  Computational Science	INFS2200 Relational Database Systems
Y3	<b>S1</b>	COMP3320  Vulnerability Assessment and Penetration Testing	COMS3200  Computer Networks I	COSC3000  Visualization, Computer  Graphics & Data Analysis	
	<b>S2</b>	COMP3301 Operating Systems Architecture	DECO3801  Design Computing  Studio 3: Build	COSC3500  High-Performance  Computing	



<b>S1</b>	CRIM1000	DECO2500	
<b>S2</b>	CRIM1000	DECO2500	INFS2200

3	Note, there are no remaining <b>Secondary Major</b>
3	Courses for this major. Go to Step 4.

<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



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



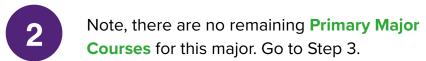
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Data Science + Major in Machine Learning

Valid from 2021

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



<b>S1</b>	_	_	-
<b>S2</b>	_	_	_

3	Note, there are no remaining <b>Secondary Major</b>
3	Courses for this major. Go to Step 4.

<b>S1</b>	_	-	-
<b>S2</b>	_	_	_



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 <u>BCompSc program rules</u> & requirements.



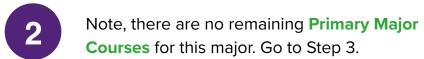
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Data Science + Major in Programming Languages

Valid from 2021

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



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_

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

<b>S1</b>	DECO2500		
<b>S2</b>	DECO2500	INFS2200	



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



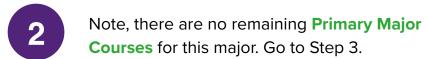
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



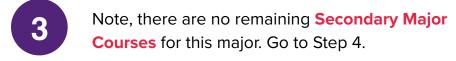
Major in Data Science + Major in Scientific Computing

Valid from 2021

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



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



<b>S1</b>	_	_	_	
<b>S2</b>	_	_	_	



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 <u>BCompSc program rules & requirements</u>.



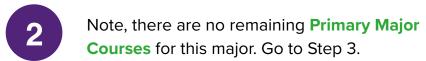
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Machine Learning + Major in Programming Languages

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing	CSSE2310  Computer Systems Principles & Programming	DECO1400 Introduction to Web Design	
	<b>S2</b>	COMP3506 Algorithms & Data Structures	COMP3702  Artificial Intelligence	MATH2302 Discrete Mathematics II	COMP2140 Web & Mobile Programming
Y3	<b>S1</b>	COMP4702  Machine Learning	COMP3400 Functional & Logic Programming	COMP4403 Compilers and Interpreters	CSSE3100  Reasoning About  Programs
	<b>S2</b>	COMP3710  Pattern Recognition and Analysis	DECO3801  Design Computing  Studio 3: Build	STAT3006 Statistical Learning	



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_

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

<b>S1</b>	DECO2500		
<b>S2</b>	DECO2500	INFS2200	



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



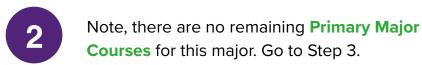
**Suggested Study Plan for Semester 1 Start (BCompSc)** 



Major in Machine Learning + Major in Scientific Computing

Valid from 2021

1	The tal	ble below shows the require	d: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	CSSE2002  Programming in the Large	CSSE2010 Introduction to Computer Systems	STAT1201  Analysis of Scientific Data  Or STAT1301	MATH2302 Discrete Mathematics II
Y2	<b>S1</b>	COMP2048 Theory of Computing	MATH1052  Multivariate Calculus & Ordinary  Differential Equations	SCIE2100 Bioinformatics 1: Introduction	
	<b>S2</b>	COMP3506  Algorithms &  Data Structures	COMP3702  Artificial Intelligence	COSC2500  Numerical Methods in Computational Science	INFS2200 Relational Database Systems
Y3	<b>S1</b>	COMP4702  Machine Learning	COSC3000 Visualization, Computer Graphics & Data Analysis		
	<b>S2</b>	COMP3710  Pattern Recognition and Analysis	DECO3801  Design Computing  Studio 3: Build	STAT3006 Statistical Learning	COSC3500  High-Performance  Computing



<b>S1</b>	_	_	_
<b>S2</b>	_	_	_

3	Note, there are no remaining <b>Secondary Major</b>		
	Courses for this major. Go to Step 4.		

<b>S1</b>	_	_	_
<b>S2</b>	_	_	_



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 <u>BCompSc program rules & requirements</u>.







Major in Programming Languages + Major in Scientific Computing

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S1</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	MATH1051  Calculus & Linear Algebra  Or MATH1071
	<b>S2</b>	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	<b>S1</b>	COMP2048 Theory of Computing	CSSE2310  Computer Systems Principles & Programming	DECO1400 Introduction to Web Design	SCIE2100  Bioinformatics 1: Introduction
	<b>S2</b>	COMP3506 Algorithms & Data Structures	COMP2140 Web & Mobile Programming	COSC2500  Numerical Methods in  Computational Science	INFS2200 Relational Database Systems
<b>Y3</b>	<b>S1</b>	COMP3400 Functional & Logic Programming	COMP4403 Compilers and Interpreters	CSSE3100 Reasoning About Programs	COSC3000 Visualization, Computer Graphics & Data Analysis
	<b>S2</b>	DECO3801  Design Computing  Studio 3: Build	COSC3500  High-Performance  Computing		

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

<b>S1</b>	DECO2500		
<b>S2</b>	DECO2500	INFS2200	

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

<b>S</b> 1	_	_	_
<b>S2</b>	_	_	_

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

