**Suggested Study Plan for Semester 2 Start (BInfTech)** 



No Major or Minor Valid from 2021

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



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 <u>BlnfTech 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.



Course offered in both Semester 1 & 2.

Studio 3: Propose





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

Valid from 2021

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



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



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
BInfTech program rules & requirements.



**Suggested Study Plan for Semester 2 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

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



**Suggested Study Plan for Semester 2 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>

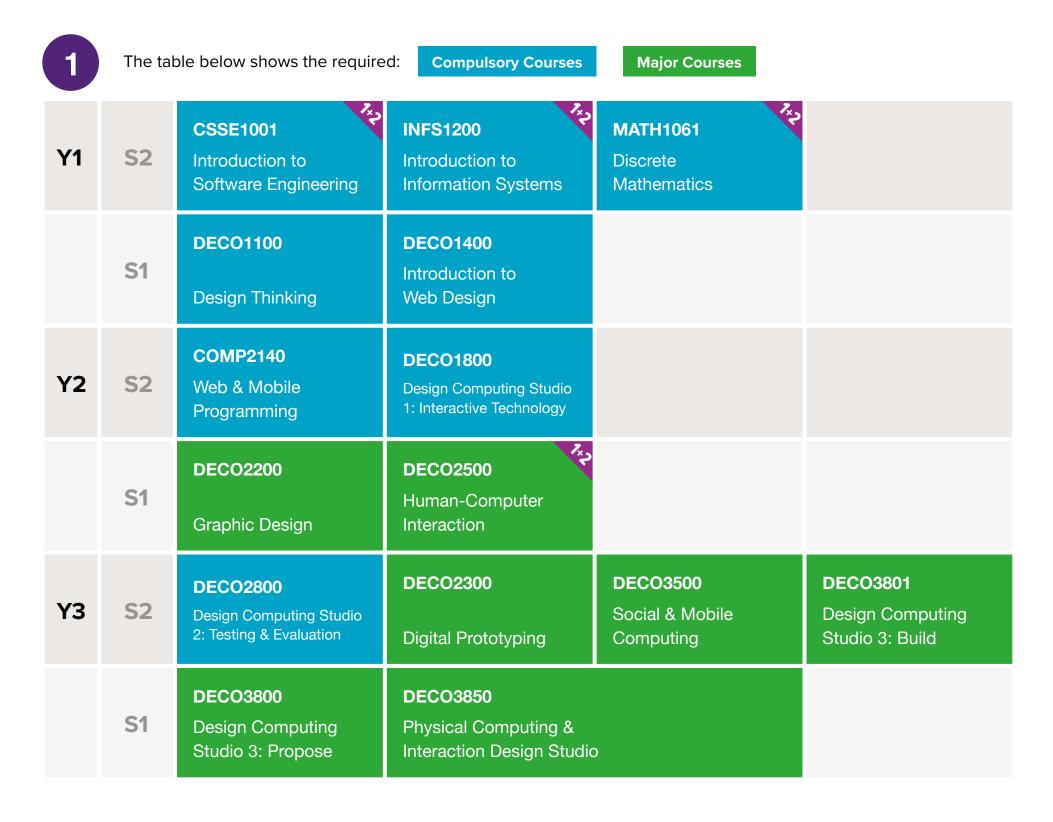


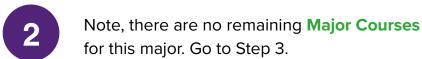


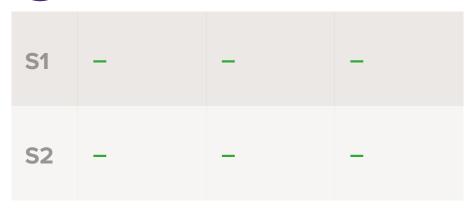


**Major in User Experience Design** 

Valid from 2021









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

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







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

Valid from 2021

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



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

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>.



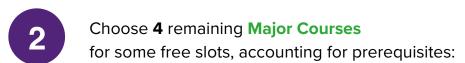




**Major in Software Information Systems** + **Minor in Computer Systems** 

Valid from 2021

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



<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>.



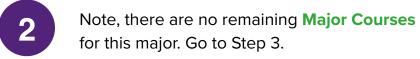




**Major in User Experience Design + Minor in Computer Systems** 

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Major Courses	linor Courses
<b>Y1</b>	<b>S2</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	
	<b>S1</b>	DECO1100  Design Thinking	DECO1400 Introduction to Web Design	CSSE2010 Introduction to Computer Systems	
Y2	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO1800  Design Computing Studio  1: Interactive Technology	DECO2800  Design Computing Studio 2: Testing & Evaluation	CSSE2310  Computer Systems Principles and Programming
	<b>S1</b>	DECO2200  Graphic Design	DECO2500  Human-Computer Interaction		Note: It is recommended to enrol in DECO2800
Y3	<b>S2</b>	DECO2300  Digital Prototyping	DECO3500 Social & Mobile Computing	DECO3801  Design Computing  Studio 3: Build	after completing DECO1800. However, to fit this suggested study plan into 3 years, DECO2800 has
	<b>S1</b>	DECO3800  Design Computing Studio 3: Propose	DECO3850  Physical Computing & Interaction Design Studio	)	been placed alongside DECO1800.



<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>.



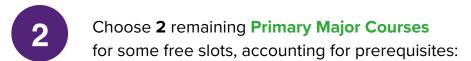




**Major in Software Design** + **Major in Software Information Systems** 

Valid from 2021

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



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

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

S'	BISM3222	INFS3200	INFS3202
S	2 INFS3200	INFS3208	DATA2001



To facilitate a feasible progression plan for this two-major option, you should seek academic advice. Also refer to the BInfTech program rules & requirements.







Major in Software Design + Major in User Experience Design

Valid from 2021

1	The tal	ole below shows the require	d: Compulsory Courses	Primary Major Courses	Secondary Major Courses
Y1	<b>S2</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	
	<b>S1</b>	DECO1100  Design Thinking	DECO1400 Introduction to Web Design		Note: It is recommended to enrol in DECO2800
Y2	<b>S2</b>	COMP2140 Web & Mobile Programming	DECO1800  Design Computing Studio  1: Interactive Technology	DECO2800  Design Computing Studio 2: Testing & Evaluation	after completing DECO1800. However, to fit this suggested study plan into 3 years, DECO2800 has
	<b>S1</b>	CSSE2002  Programming in the Large	DECO2500  Human-Computer Interaction	<b>DECO2200</b> Graphic Design	been placed alongside DECO1800.
<b>Y3</b>	<b>S2</b>	COMP3506 Algorithms & Data Structures	<b>DECO3801</b> Design Computing Studio 3: Build	DECO2300  Digital Prototyping	DECO3500  Social & Mobile  Computing
	<b>S1</b>	CSSE3012 The Software Process	DECO3800  Design Computing  Studio 3: Propose	DECO3850  Physical Computing &  Interaction Design Studio	0



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



To facilitate a feasible progression plan for this twomajor option, you should seek academic advice. Also refer to the <u>BlnfTech program rules & requirements</u>.





**Suggested Study Plan for Semester 2 Start (BInfTech)** 

Major in Software Information Systems + Major in User Experience Design

Valid from 2021

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



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

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

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



To facilitate a feasible progression plan for this twomajor option, you should seek academic advice. Also refer to the <u>BlnfTech program rules & requirements</u>.





**Suggested Study Plan for Semester 2 Start (BCompSc)** 

Study	y Plan	tor	 	Valid from 2021
1	Majo	or Combination:	 	
Y1	<b>S2</b>			
	<b>S1</b>			
Y2	<b>S2</b>			
	<b>S1</b>			
<b>Y3</b>	<b>S2</b>			
	S1			

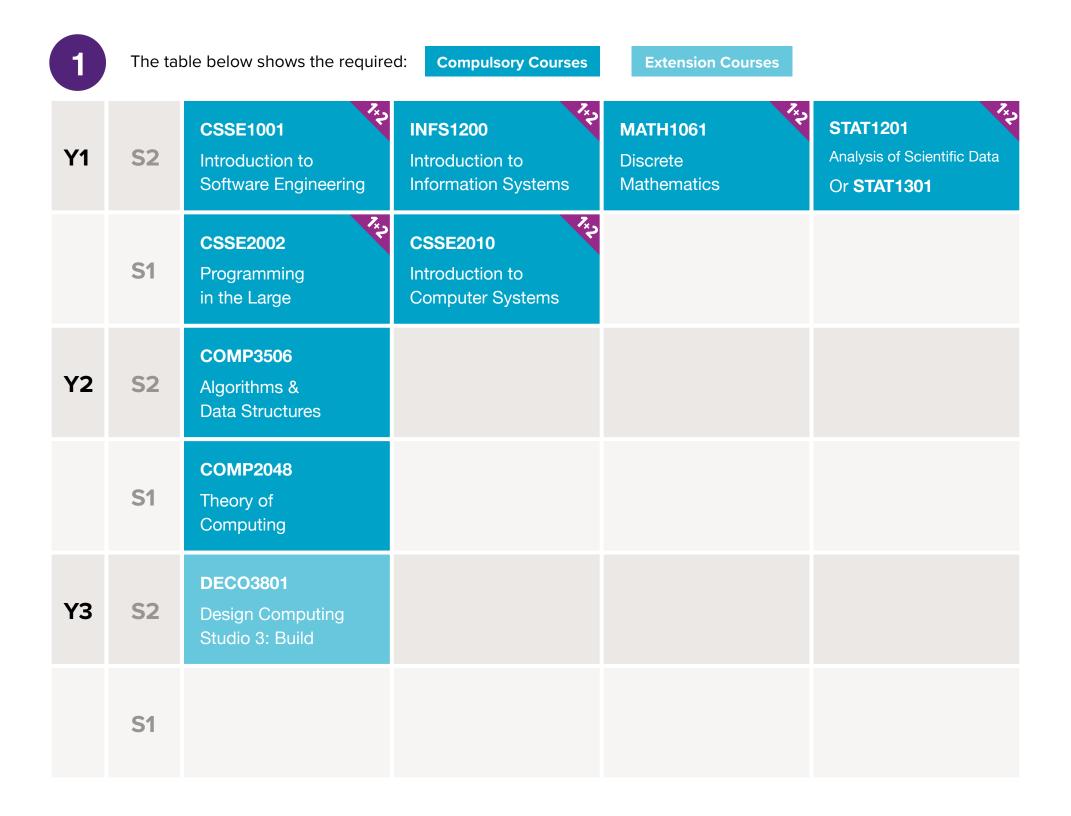
Note: of the 48 units required for the program, you must complete at least 8 units of courses at Level 3 or higher and no more than 24 units at Level 1.

**Suggested Study Plan for Semester 2 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 2 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>



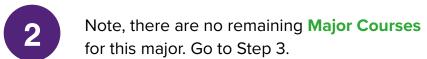
**Suggested Study Plan for Semester 2 Start (BCompSc)** 

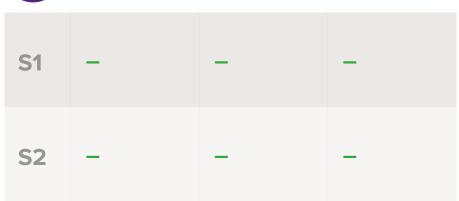


**Major in Data Science** 

Valid from 2021

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







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

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



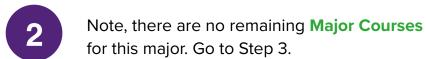
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



**Major in Machine Learning** 

Valid from 2021

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



<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>

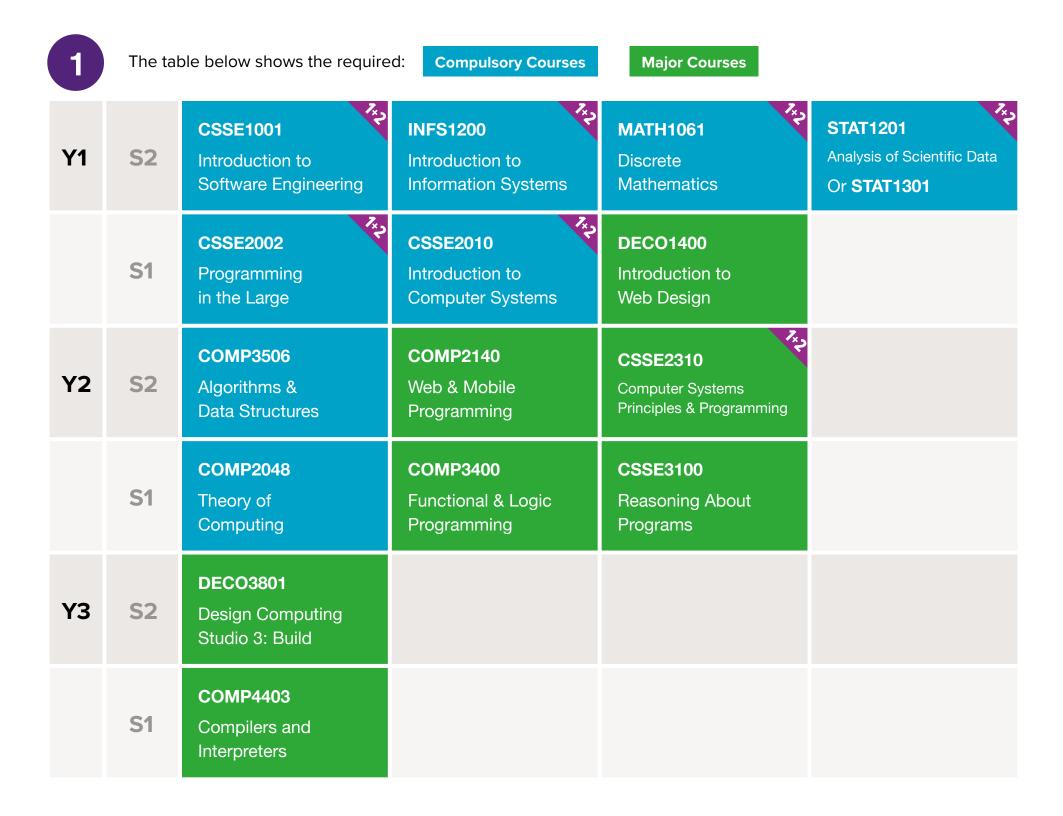


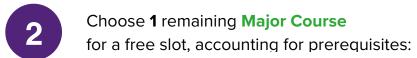
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



#### **Major in Programming Languages**

Valid from 2021





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



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

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



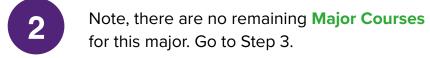
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



**Major in Scientific Computing** 

Valid from 2021

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



<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>



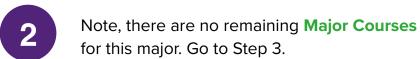
**Suggested Study Plan for Semester 2 Start (BCompSc)** 

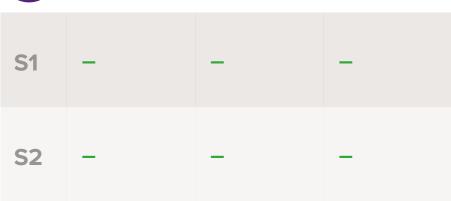


### **Extended Major in Data Science**

Valid from 2021

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







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

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



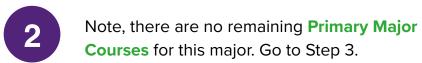
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



Major in Cyber Security + Major in Data Science

Valid from 2021

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



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

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 slot with a same-level or higher **Program Elective** replacing the course shared between

majors — **DECO3801** (Level 3) — from the <u>BCompSc</u>

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



**Suggested Study Plan for Semester 2 Start (BCompSc)** 



Major in Cyber Security + Major in Machine Learning

Valid from 2021

1	The ta	ble belo	w shows the require	ed: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S2</b>		E1001 Iuction to vare Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	STAT1201  Analysis of Scientific Data  Or STAT1301
	<b>S1</b>	Progr	<b>E2002</b> amming Large	CSSE2010 Introduction to Computer Systems	MATH1051  Calculus & Linear Algebra  Or MATH1071	MATH1052  Multivariate Calculus & Ordinary Differential Equations
Y2	<b>S2</b>	Algor	<b>P3506</b> ithms & Structures	CSSE2310  Computer Systems Principles & Programming	COMP3702  Artificial Intelligence	MATH2302 Discrete Mathematics II
	<b>S1</b>	Theor	<b>P2048</b> ry of outing	COMP4702  Machine Learning		
Y3	<b>S2</b>	Opera	P3301 ating Systems tecture	CYBR3000 Information Security	<b>DECO3801</b> Design Computing Studio 3: Build	COMP3710  Pattern Recognition and Analysis
Y3	S2 S1	Opera Archit COM Vulnera	ating Systems		Note: Due to prerequisite full-time semester load, it STAT3006 into Year 3, Se overloading. Therefore, the	Pattern Recognition and Analysis  s & availability of slots in a is not possible to fit mester 2 without his suggested study plan
Y3	S1 Choos	COM Vulner and Pe	ating Systems tecture  P3320 ability Assessment	Information Security  COMS3200  Computer Networks I	Note: Due to prerequisite full-time semester load, it STAT3006 into Year 3, Se overloading. Therefore, the will require a minimum ler complete. Please contact alternative approaches.	Pattern Recognition and Analysis  s & availability of slots in a is not possible to fit mester 2 without his suggested study planingth of 3.5 years to
Y3 2 S1	S1 Choos	COM Vulner and Pe	ating Systems tecture  P3320 ability Assessment enetration Testing	Information Security  COMS3200  Computer Networks I	Note: Due to prerequisite full-time semester load, it STAT3006 into Year 3, Se overloading. Therefore, the will require a minimum ler complete. Please contact	Pattern Recognition and Analysis  s & availability of slots in a is not possible to fit mester 2 without his suggested study planingth of 3.5 years to



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>.



Course offered in both Semester 1 & 2.

Courses for this major. Go to Step 4.

**Suggested Study Plan for Semester 2 Start (BCompSc)** 



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

Valid from 2021

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



<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</u> rules & requirements.



**Suggested Study Plan for Semester 2 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
Y1	<b>S2</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	STAT1201  Analysis of Scientific Data  Or STAT1301
	<b>S1</b>	CSSE2002 Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051  Calculus & Linear Algebra  Or MATH1071	MATH1052  Multivariate Calculus & Ordinary Differential Equations
Y2	<b>S2</b>	COMP3506 Algorithms & Data Structures	CSSE2310  Computer Systems Principles & Programming	COSC2500  Numerical Methods in Computational Science	INFS2200 Relational Database Systems
	<b>S1</b>	COMP2048  Theory of Computing	COSC3000  Visualization, Computer Graphics & Data Analysis	SCIE2100  Bioinformatics 1: Introduction	
<b>Y3</b>	<b>S2</b>	COMP3301 Operating Systems Architecture	CYBR3000 Information Security	DECO3801  Design Computing  Studio 3: Build	COSC3500  High-Performance  Computing
	<b>S1</b>	COMP3320  Vulnerability Assessment and Penetration Testing	COMS3200  Computer Networks I		



<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 2 Start (BCompSc)** 



Major in Data Science + Major in Machine Learning

Valid from 2021

1	The tal	ble below shows the require	ed: Compulsory Courses	Primary Major Courses	Secondary Major Courses
<b>Y1</b>	<b>S2</b>	CSSE1001 Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	STAT1201  Analysis of Scientific Data  Or STAT1301
	<b>S1</b>	CSSE2002  Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051  Calculus & Linear Algebra  Or MATH1071	MATH1052  Multivariate Calculus & Ordinary Differential Equations
Y2	<b>S2</b>	COMP3506 Algorithms & Data Structures	DATA2001 Introduction to Data Science	INFS2200 Relational Database Systems	MATH2302 Discrete Mathematics II
	<b>S1</b>	COMP2048  Theory of Computing	STAT2003  Mathematical  Probability		
		DECO3801	STAT2004	COMP3710	COMP3702
Y3	<b>S2</b>	Design Computing Studio 3: Build	Statistical Modelling & Analysis	Pattern Recognition and Analysis	Artificial Intelligence
Y3	<b>S2 S1</b>	Design Computing	Statistical Modelling	Pattern Recognition and Analysis  Note: Due to prerequisites full-time semester load, it i STAT3006 into Year 3, Ser overloading. Therefore, thi will require a minimum len complete. Please contact a	Artificial Intelligence  s & availability of slots in a s not possible to fit mester 2 without s suggested study plan gth of 3.5 years to
Y3 2	S1 Note, t	Design Computing Studio 3: Build  COMP4702	Statistical Modelling & Analysis  INFS3200  Advanced Database Systems  ary Major	Note: Due to prerequisites full-time semester load, it i STAT3006 into Year 3, Ser overloading. Therefore, thi will require a minimum len complete. Please contact a alternative approaches.	Artificial Intelligence  s & availability of slots in a s not possible to fit mester 2 without s suggested study plan gth of 3.5 years to
Y3 2 S1	S1 Note, t	Design Computing Studio 3: Build  COMP4702  Machine Learning  here are no remaining Prim	Statistical Modelling & Analysis  INFS3200  Advanced Database Systems  ary Major	Pattern Recognition and Analysis  Note: Due to prerequisites full-time semester load, it i STAT3006 into Year 3, Ser overloading. Therefore, thi will require a minimum len complete. Please contact a	Artificial Intelligence  s & availability of slots in a s not possible to fit mester 2 without s suggested study plan gth of 3.5 years to



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.



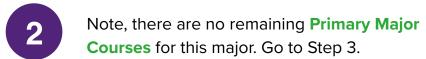
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



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



<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>.



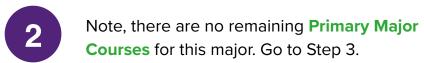
**Suggested Study Plan for Semester 2 Start (BCompSc)** 



Major in Data Science + Major in Scientific Computing

Valid from 2021

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



<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 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>.



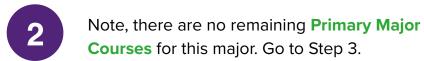




Major in Machine Learning + Major in Programming Languages

Valid from 2021

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



<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 2 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>S2</b>	CSSE1001  Introduction to Software Engineering	INFS1200 Introduction to Information Systems	MATH1061  Discrete  Mathematics	STAT1201  Analysis of Scientific Data  Or STAT1301
	<b>S1</b>	CSSE2002  Programming in the Large	CSSE2010 Introduction to Computer Systems	MATH1051  Calculus & Linear Algebra  Or MATH1071	MATH1052  Multivariate Calculus & Ordinary Differential Equations
Y2	<b>S2</b>	COMP3506 Algorithms & Data Structures	COMP3702  Artificial Intelligence	COSC2500  Numerical Methods in  Computational Science	INFS2200 Relational Database Systems
	<b>S1</b>	COMP2048 Theory of Computing	COMP4702  Machine Learning	COSC3000  Visualization, Computer  Graphics & Data Analysis	SCIE2100  Bioinformatics 1: Introduction
<b>Y3</b>	S2	COMP3710  Pattern Recognition and Analysis	DECO3801  Design Computing  Studio 3: Build	STAT3006 Statistical Learning	MATH2302 Discrete Mathematics II
	<b>S1</b>	51		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 langth of 3.5 years to	
				overloading. Therefore, thi	s suggested study plan
2		there are no remaining <b>Prim</b> es for this major. Go to Step			s suggested study plan gth of 3.5 years to
<b>2</b> S1		=		overloading. Therefore, thi will require a minimum len complete. Please contact a alternative approaches.	s suggested study plan gth of 3.5 years to



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>.



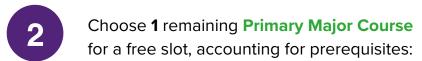




Major in Programming Languages + Major in Scientific Computing

Valid from 2021

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



<b>S1</b>	DECO2500		
<b>S2</b>	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>.

