CHECKLIST Bachelor of Information Technology (2453): Transition to new 2021 program (commencing 2024)

IMPORTANT Notes:
- The information contained in this document is intended as general advice only. Students must follow the program rules & requirements listed on the Programs and Courses Website relevant to the year they commence. This planner must be used in conjunction with your program duration course list and program rules.
- Students need to check future course offerings, prerequisites, incompatibilities and restrictions for all courses as these are subject to change.
- Students cannot take courses that are incompatible with courses already counted towards their program, and cannot count the same course twice.

Complete 48 units comprising:
1. 16 units for all BInfTech Core Courses, and
2. 16 to 32 units for BInfTech Plan Options:
   a. No major option, being
      i. 8 units for Information Technology Extension courses; and
      ii. 8 to 24 units from Information Technology Advanced Electives with at least 4 units at level 3; or
   b. BinfTech Single Major option, being
      i. 16 units for a Major (Software Design; Software Information Systems; User Experience Design) or
   c. BInfTech Single Minor option, being
      i. 8 units for Information Technology Extension courses; and
      ii. 8 units for Computer Systems Minor; and
      iii. 0 to 16 units from Information Technology Advanced Electives; or
   d. BInfTech Major plus minor option, being
      i. 16 units for a Major (Software Design; Software Information Systems; User Experience Design); and
      ii. 8 units for Computer Systems Minor; or
   e. BInfTech Two Major option, being
      i. 16 units for a Major; and
      ii. 16 units for another Major where courses that are compulsory in both majors must be substituted by program electives at the same level or higher; and
3. 0 to 16 units from BInfTech Breadth Elective Courses, and
4. 0 to 16 units from BInfTech Program Elective Courses, and
5. 0 to 16 units from General Elective Courses

NB: 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.

✓/X compl.	BInfTech Core Courses (16 units)	Sem offering	#	First offered	Approved substitution	Last offered
	16 units for all Core Courses					
	COMP2140 Web/Mobile Programming	2	2		Course must be completed	
	CSSE1001 Introduction to Software Engineering	1,2	2		Course must be completed	
	DECO1100 Design Thinking	1	2		Course must be completed	
	DECO1400 Introduction to Web Design	1	2		Course must be completed	
	DECO1800 Design Computing Studio 1 – Interactive Technology	2	2		Course must be completed	

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	DECO2850 Design Computing Studio 2 - Interaction Design	2	2	**2/23**	**DECO2800** Design Computing Studio 2 – Testing & Evaluation (Discontinued)	**2/22**
	INFS1200 Introduction to Information Systems	1,2	2		Course must be completed	
	MATH1061 Discrete Mathematics	1,2	2		Course must be completed	

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BInfTech No Major Option

Complete 16 to 32 units comprising:

i.   8 units for all Information Technology Extension Courses, and

ii.   8 to 24 units from Information Technology Advanced Elective Courses, and

iii.   0 to 16 units from BInfTech Breadth Elective Courses, and

iv.   0 to 16 units from BInfTech Program Elective Courses, and

v.   0 to 16 units from General Elective Courses

✓/X compl.	BInfTech No Major (16 to 32 units)	Sem offering	#	First offered	Approved substitution	Last offered
	8 units for Information Technology Extension courses					
	CSSE3012 The Software Process	1	2		Course must be completed	
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	DECO3801 Design Computing Studio 3 - Build	2	2		Course must be completed	

✓/X compl.	BInfTech No Major (16 to 32 units)	Sem offering	#	First offered	Approved substitution	Last offered
	8 to 24 units from Information Technology Advanced Electives					
	BISM3222 Information Analysis & System Design	1	2		No Substitution	
	COMP2048 Theory of Computing	1	2		No Substitution	
	COMP3506 Algorithms & Data Structures	2	2		No Substitution	
	COMP3702 Artificial Intelligence	2	2		No Substitution	
	COMP3820 Digital Health Software Project	2	2		No Substitution	
	CSSE2002 Programming in the Large	1,2	2		No Substitution	
	CSSE2010 Introduction to Computer Systems	1,2	2		No Substitution	
	CSSE2310 Computer Systems Principles and Programming	1,2	2		No Substitution	
	CSSE3012 The Software Process	1	2		**CSSE3002** The Software Process (discontinued)	1/20
	DATA2001 Fundamentals to Data Science	2	2		No Substitution	
	DECO2200 Information Visualisation	1	2		No Substitution	
	DECO2300 Digital Prototyping	2	2		No Substitution	
	DECO3500 Social & Mobile Computing	2	2		No Substitution	

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	DECO3850 Physical Computing Studio	1,2	4		No Substitution	
	INFS2200 Relational Database Systems	2	2		No Substitution	
	INFS3200 Advanced Database Systems	1,2	2		No Substitution	
	INFS3202 Web Information Systems	1	2		No Substitution	
	INFS3208 Cloud Computing	2	2		No Substitution	

0 to 16 units from BInfTech Breadth Elective Courses,

0 to 16 units from BInfTech Program Elective Courses

0 to 16 units from General Elective Courses

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Software Design Major Option

Complete 16 units comprising:

    i.   12 units for all Software Design Compulsory Courses, and

    ii.   4 units from Software Design Elective Courses

✓/X compl.	Major in Software Design (16 units)	Sem offering	#	First offered	Approved substitution	Last offered
	12 units for all Software Design Compulsory Courses					
	COMP3506 Algorithms & Data Structures	2	2		Course must be completed	
	CSSE2002 Programming in the Large	1,2	2		Course must be completed	
	CSSE3012 The Software Process	1	2		**CSSE3002** The Software Process (discontinued)	**1/20**
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	DECO3801 Design Computing Studio 3 - Build	2	2		Course must be completed	

	4 units from Software Design Elective Courses					
	COMP2048 Theory of Computing	1	2		No Substitution	
	COMP3400 Functional & Logic Programming	1	2		No Substitution	
	COMP3702 Artificial Intelligence	2	2		No Substitution	
	COMP3820 Digital Health Software	2	2		No substitution	
	CSSE2010 Introduction to Computer Systems	1,2	2		No Substitution	
	CSSE2310 Computer Systems Principles and Programming	1,2	2		No Substitution	
	CSSE3100 Reasoning About Programs	1	2		No Substitution	
	CYBR3000 Information Security	2	2		**COMS3000** Information Security (discontinued)	**2/20**
	DECO3500 Social & Mobile Computing	1,2	2		No Substitution	

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0 to 16 units from BInfTech Breadth Elective Courses,

0 to 16 units from BInfTech Program Elective Courses

0 to 16 units from General Elective Courses

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Software Information Systems Major Option

Complete 16 units comprising:

    i.   10 units for all Software Information Systems Compulsory Courses, and

    ii.   6 units from Software Information Systems Elective Courses

✓/X compl.	Major in Software Information Systems (16 units)	Sem offering	#	First offered	Approved substitution	Last offered
	10 units for all Software Information Systems Compulsory Courses					
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	DECO3801 Design Computing Studio 3 - Build	2	2		Course must be completed	
	INFS2200 Relational Database Systems	2	2		Course must be completed	
	INFS3200 Advanced Database Systems	1,2	2		Courses must be completed	

✓/X compl.	Major in Software Information Systems (16 units)	Sem offering	#	First offered	Approved substitution	Last offered
	6 units from Software Information Systems Elective Courses					
	BISM3222 Information Analysis & System Design	1	2		No Substitution	
	DATA2001 Fundamentals of Data Science	2	2		No Substitution	
	INFS3202 Web Information Systems	1	2		No Substitution	
	INFS3208 Cloud Computing	2	2		No Substitution	

0 to 16 units from BInfTech Breadth Elective Courses,

0 to 16 units from BInfTech Program Elective Courses

0 to 16 units from General Elective Courses

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User Experience Design Major Option

Complete 16 units comprising:

i.   16 units for all User Experience Design Compulsory Courses

✓/x compl.	Major in User Experience Design (16 units)	Sem offering	#	First offered	Approved substitution	Last offered
	16 units for all User Experience Design Compulsory Courses					
	DECO2200 Information Visualisation	1	2		Course must be completed	
	DECO2300 Digital Prototyping and Extended Reality	2	2		Course must be completed	
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	DECO3500 Social & Mobile Computing	1,2	2		Course must be completed	
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	DECO3801 Design Computing Studio 3 - Build	2	2		Course must be completed	
	DECO3850 Physical Computing Studio	1,2	4		Course must be completed	

0 to 16 units from BInfTech Breadth Elective Courses,	

0 to 16 units from BInfTech Program Elective Courses	

0 to 16 units from General Elective Courses	

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Computer Systems Minor

Complete 16 to 32 units comprising:

i.   4 units for all Computer Systems Compulsory Courses, and

ii.   4 units from Computer Systems Elective Courses, and

iii.   8 units for all Information Technology Extension Courses, and

iv.   0 to 16 units from Information Technology Advanced Elective Courses

✓/X compl.	Minor in Computer Systems (8 units)	Sem offering	#	First offered	Approved substitution	Last offered
	4 units for all Computer Systems Compulsory Courses					
	CSSE2010 Introduction to Computer Systems	1,2	2		Course must be completed	
	CSSE2310 Computer Systems Principles and Programming	1,2	2		Course must be completed	

✓/X compl.		Sem offering	#	First offered	Approved substitution	Last offered
	4 units from Computer Systems Elective Courses					
	COMP3301 Operating Systems Architecture	2	2		No Substitution	
	COMS3200 Computer Networks 1	1	2		No Substitution	
	CYBR3000 Information Security	2	2		**COMS3000** Information Security (discontinued)	**2/20**

✓/X compl.		Sem offering	#	First offered	Approved substitution	Last offered
	8 units for all Information Technology Extension Courses,					
	CSSE3012 The Software Process	1	2		Course must be completed	
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	DECO3801 Design Computing Studio 3 - Build	2	2		Course must be completed	

✓/X compl.		Sem offering	#	First offered	Approved substitution	Last offered
	0 to 16 units from Information Technology Advanced Elective Courses					
	BISM3222 Information Analysis & System Design	1	2		No Substitution	
	COMP2048 Theory of Computing	1	2		No Substitution	
	COMP3506 Algorithms & Data Structures	2	2		No Substitution	

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	COMP3702 Artificial Intelligence	2	2		No Substitution	
	COMP3820 Digital Health Software Project	2	2		No Substitution	
	CSSE2002 Programming in the Large	1,2	2		No Substitution	
	CSSE2010 Introduction to Computer Systems	1,2	2		No Substitution	
	CSSE2310 Computer Systems Principles and Programming	1,2	2		No Substitution	
	CSSE3012 The Software Process	1	2		**CSSE3002** The Software Process (discontinued)	**1/20**
	DATA2001 Fundamentals to Data Science	2	2		No Substitution	
	DECO2200 Information Visualisation	1	2		No Substitution	
	DECO2300 Digital Prototyping	2	2		No Substitution	
	DECO3500 Social & Mobile Computing	2	2		No Substitution	
	DECO3850 Physical Computing Studio	1,2	4		No Substitution	
	INFS2200 Relational Database Systems	2	2		No Substitution	
	INFS3200 Advanced Database Systems	1,2	2		No Substitution	
	INFS3202 Web Information Systems	1	2		No Substitution	
	INFS3208 Cloud Computing	2	2		No Substitution	

0 to 16 units from BInfTech Breadth Elective Courses,

0 to 16 units from BInfTech Program Elective Courses

0 to 16 units from General Elective Courses

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BInftech Major plus Minor Option

Complete 24 units comprising:

i. 16 units for one Major from Information Technology Majors, and

ii. 8 units for one Minor from Information Technology Minors

✓/X compl.	BInftech Major plus Minor Option (24 units)	Sem offering	#	First offered	Approved substitution	Last offered
	16 units from Software Design Major					
	OR					
	16 units from Software Information Systems Major					
	OR					
	16 units from User Experience Design Major					
	AND					
	8 units from Computer Systems Minor					

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BInfTech Two Major Option
Complete 32 units comprising:

i.   32 units for 2 Majors from Information Technology Majors*

*Please refer to information located under BInfTech Plan Options > BinfTech Two Major Option on Program and Courses for specific program requirements regarding approved course substitutions.

✓/X compl.	BInfTech Two Major Option (32 units)	Sem offering	#	First offered	Approved substitution	Last offered
	16 units from Software Design Major					
	16 units from Software Information Systems Major					
	16 units from User Experience Design Major					

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	0 to 16 units from BInfTech Breadth Electives					
	ACCT1101 Accounting for Decision Making	1,2	2		No Substitution	
	BIOL1020 Genes, Cells & Evolution	1,2	2		No Substitution	
	BIOL2202 Genetics	2	2		No Substitution	
	BIOL3303 Genomics	1	2		**BIOL3004** Genomics & Bioinformatics (discontinued)	**1/20**
	BISM2202 Data Analytics and Information Management	2	2		No Substitution	
	BISM3205 Business Information Security	1	2		No Substitution	
	BISM3208 Business Information Systems & Analytics Capstone	1,2	2		No Substitution	
	CHEM1100 Chemistry 1	1,2	2		No Substitution	
	COMP1100 Introduction of Software Innovation	1,2	2		No Substitution	
	COMP3301 Operating Systems Architecture	2	2		No Substitution	
	COMS3200 Computer Networks 1	1	2		No Substitution	
	COMU1130 Data and Society	2	2		No Substitution	
	COMU1140 Multimedia	1,2,S	2		No Substitution	
	COSC2500 Numerical Methods in Computational Science	2	2		No Substitution	
	COSC3000 Visualization, Computer Graphics & Data Analysis	1	2		No Substitution	
	COSC3500 High-Performance Computing	2	2		No Substitution	
	CSSE3100 Reasoning About Programs	1	2		No Substitution	
	CYBR3000 Information Security	2	2		**COMS3000** Information Security (discontinued)	**2/20**
	ECON1010 Introductory Microeconomics	1,2,S	2		No Substitution	
	ENGG1300 Introduction to Electrical Systems	1,2	2		No Substitution	
	LAWS1100 Business Law	1,2	2		No Substitution	
	MGTS1301 Introduction to Management	1,2	2		No Substitution	
	MKTG1501 Foundations of Marketing	1,2	2		No Substitution	
	MATH1050 Mathematical Foundations	1,2	2		No Substitution	

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	MATH1051 Calculus & Linear Algebra I	1,2,S	2		No Substitution	
	MATH1052 Multivariate Calculus & Ordinary Differential Equations	1,2	2		No Substitution	
	MATH2001 Calculus & Linear Algebra II	1,2	2		**MATH2000** Calculus & Linear Algebra II (discontinued)	**2/20**
	MATH2301 Linear & Abstract Algebra & Number Theory	1	2		No Substitution	
	MATH2302 Discrete Mathematics II	2	2		No Substitution	
	MATH3104 Mathematical Biology	1	2		No Substitution	
	MATH3201 Scientific Computing: Advanced Techniques and Applications	1	2		No Substitution	
	MATH3202 Operations Research & Mathematical Planning	1	2		No Substitution	
	MATH3302 Coding & Cryptography	1	2		No Substitution	
	PHYS1002 Electromagnetism & Modern Physics	2	2		No Substitution	
	SCIE1000 Theory & Practice in Science	1,2,S	2		No Substitution	
	SCIE2100 Bioinformatics 1: Introduction	1	2		No Substitution	
	SCIE3100 Bioinformatics 2: Development & Research	2	2		No Substitution	
	STAT2003 Mathematical Probability	1	2		No Substitution	
	STAT2004 Statistical Modelling & Analysis	2	2		No Substitution	
	TIMS3309 Technology and Innovation Management	2	2		No Substitution	
	COMP3880 International Software Development	1,2,S	2		No Substitution	

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