Checklist – Bachelor of Information Technology

Student Name: _____

Student Number: _____

Date Completed: _____

Completion of 2021 – 2025 program (2453)

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.
- Once you have completed the BCompSc Transition Plan checklist, you may email your checklist to the Faculty on enquiries@eait.uq.edu.au

Complete 48 units comprising:

- 16 units for all BInfTech Core Courses, and
- 16 to 32 units for BInfTech Options:
    - 16 to 32 units for BInfTech No major Option, or
    - 16 units for BInfTech Single Major Option, or
    - 16 to 32 units for BInfTech Single Minor Option, or
    - 24 units for BInfTech Major plus Minor Option, or
    - 32 units for BInfTech Two Major Option
- 0 to 16 unit from BInfTech Breadth Elective Courses, and
- 0 to 16 units from BInfTech Program Elective Courses, and
- 0 to 16 unit 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.

BInfTech Core Courses								
Complete 16 units for all Core Courses		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
COMP2140 Web/Mobile Programming	2						Course must be completed	
CSSE1001 Introduction to Software Engineering	1,2						Course must be completed	
DECO1100 Design Thinking	1					■	Course must be completed	

Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
DECO1400 Introduction to Web Design	1						Course must be completed	
DECO1800 Design Computing Studio 1 – Interactive Technology	2						Course must be completed	
DECO2800 Design Computing Studio 2 – Testing & Evaluation (discontinued)	2						**DECO2850** Design Computing Studio 2 - Interaction Design	2
INFS1200 Introduction to Information Systems	1,2						Course must be completed	
MATH1061 Discrete Mathematics **OR** **MATH1081** Advanced Discrete Mathematics	1,2 1						Course must be completed	
COMP1100 Introduction to Software Innovation	1,2	*Not required if you commenced 2021-2024*					Course must be completed	

BInfTech No Major

Complete 16 to 32 units comprising:		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	**2021**	**2022**	**2023**	**2024**	**2025**	**Approved substitution**	Sem of offer
• Information Technology Extension Courses		Complete all 6 units			Complete all 8 units			
CSSE3012 The Software Process	1						Course must be completed by 2024 & 2025 commencing students only	
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	1,2						Course must be completed	
• Information Technology Advanced Electives		Complete 10 to 26 units			Complete 8 to 24 units			
BISM3222 Information Analysis & System Design	1						No substitution	
COMP2048 Theory of Computing	1						No substitution	
COMP3506 Algorithms & Data Structures	2						No substitution	
COMP3702 Artificial Intelligence	2						No substitution	
COMP3820 Digital Health Software Project	2						No substitution	
CSSE2002 Programming in the Large	1,2						No substitution	
CSSE2010 Introduction to Computer Systems	1,2						No substitution	
CSSE2310 Computer Systems Principles and Programming	1,2						No substitution	
CSSE3012 The Software Process	1						CSSE3002 The Software Process (discontinued)	
DATA2001 Fundamentals to Data Science (discontinued)	2						**COMP2011** Fundamentals of Data Science	2
DECO1100 Design Thinking	1						No substitution	

Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
DECO2200 Information Visualisation	1						No substitution	
DECO2300 Digital Prototyping	2						No substitution	
DECO3500 Social & Mobile Computing	2						No substitution	
DECO3850 Physical Computing Studio **(4 units)**	1,2						No substitution	
INFS2200 Relational Database Systems	2						No substitution	
INFS3200 Advanced Database Systems	1						No substitution	
INFS3202 Web Information Systems	1						No substitution	
INFS3208 Cloud Computing	2						No substitution	

Software Design Major

Complete 16 units comprising:		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
• **12** units for all Software Design Compulsory Courses								
COMP3506 Algorithms & Data Structures	2						Course must be completed	
CSSE2002 Programming in the Large	1,2						Course must be completed	
CSSE3012 The Software Process	1						CSSE3002 The Software Process (discontinued)	
DECO2500 Human-Computer Interaction	1						Course must be completed	
DECO3800 Design Computing Studio 3 – Proposal	1,2						Course must be completed	
DECO3801 Design Computing Studio 3 - Build	1,2						Course must be completed	
• **4** units from Software Design Elective Courses								
COMP2048 Theory of Computing	1						No substitution	
COMP3400 Functional & Logic Programming	1						No substitution	
COMP3702 Artificial Intelligence	2						No substitution	
COMP3820 Digital Health Software	2						No substitution	
CSSE2010 Introduction to Computer Systems	1,2						No substitution	
CSSE2310 Computer Systems Principles and Programming	1,2						No substitution	
CSSE3100 Reasoning About Programs	1						No substitution	
CYBR3000 Information Security	2						COMS3000 Information Security (discontinued)	
DECO3500 Social & Mobile Computing	1,2						No substitution	

Software Information Systems Major

Complete 16 units comprising		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	**2021**	**2022**	**2023**	**2024**	**2025**	**Approved substitution**	Sem of offer
• Software Information Systems Compulsory Courses		**Complete all 8 units**			**Complete all 10 units**			
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	1,2						Course must be completed	
INFS2200 Relational Database Systems	2						Course must be completed	
INFS3200 Advanced Database Systems	1	███████████████					Course must be completed by 2024 & 2025 commencing students only	
• Software Information Systems Elective Courses		**Complete exactly 8 units**			**Complete exactly 6 units**			
BISM3222 Information Analysis & System Design	1						No substitution	
DATA2001 Fundamentals of Data Science (discontinued)	2						**COMP2011** Fundamentals of Data Science	2
INFS3200 Advanced Database Systems	1				███████████		Course can be completed by 2021 to 2023 commencing students only	
INFS3202 Web Information Systems	1						No substitution	
INFS3208 Cloud Computing	2						No Substitution	

User Experience Design Major

Complete all 16 units		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	**2021**	**2022**	**2023**	**2024**	**2025**	**Approved substitution**	Sem of offer
DECO1100 Design Thinking	1	██████████████████					Course must be completed by 2025 commencing students only	
DECO2200 Information Visualisation	1					███████	Course must be completed by 2021 to 2024 commencing students only	
DECO2300 Digital Prototyping and Extended Reality	2						Course must be completed	
DECO2500 Human-Computer Interaction	1,2						Course must be completed	
DECO3500 Social & Mobile Computing	2						Course must be completed	
DECO3800 Design Computing Studio 3 – Proposal	1,2						Course must be completed	

Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
DECO3801 Design Computing Studio 3 - Build	1,2						Course must be completed	
DECO3850 Physical Computing Studio **(4 units)**	1,2						Course must be completed	

Computer Systems Minor (BInfTech single minor with no major option)								
Complete 16 to 32 units comprising:		**Follow the column for the year you commenced and tick completed courses**						
Course Code and Title	Sem of offer	**2021**	**2022**	**2023**	**2024**	**2025**	Approved substitution	Sem of offer
• **6 or 8** Information Technology Extension Courses		**Complete all 6 units**			**Complete all 8 units**			
CSSE3012 The Software Process	1	███	███	███			Course must be completed by 2024 & 2025 commencing students only	
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	1,2						Course must be completed	
• **8** units for **Computer Systems Minor** comprising								
o **4** units for all Computer Systems Compulsory Courses								
CSSE2010 Introduction to Computer Systems	1,2						Course must be completed	
CSSE2310 Computer Systems Principles and Programming	1,2						Course must be completed	
o **4** units from Computer Systems Elective Courses								
COMP3301 Operating Systems Architecture	2						No substitution	
COMS3200 Computer Networks 1	1						No substitution	
CYBR3000 Information Security	2						COMS3000 Information Security (discontinued)	
• **2-18 units of** Advanced Electives (prior to 2024) **or** **0-16 units of** Discipline Electives (2024 and 2025)		**Complete 2 to 18 units**			**Complete 0 to 16 units**			
BISM3222 Information Analysis & System Design	1						No substitution	
COMP2048 Theory of Computing	1						No substitution	
COMP3506 Algorithms & Data Structures	2						No substitution	
COMP3702 Artificial Intelligence	2						No substitution	
COMP3820 Digital Health Software Project	2						No substitution	
CSSE2002 Programming in the Large	1,2						No substitution	
CSSE2010 Introduction to Computer Systems	1,2						No substitution	

Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
CSSE2310 Computer Systems Principles and Programming	1,2						No substitution	
CSSE3012 The Software Process	1				■	■	No substitution	
DATA2001 Fundamentals of Data Science (discontinued)	2						**COMP2011** Fundamentals of Data Science	2
DECO1100 Design Thinking	1	■	■	■			No substitution	
DECO2200 Information Visualisation	1						No substitution	
DECO2300 Digital Prototyping	2						No substitution	
DECO3500 Social & Mobile Computing	2						No substitution	
DECO3850 Physical Computing Studio **(4 units)**	1						No substitution	
INFS2200 Relational Database Systems	2						No substitution	
INFS3200 Advanced Database Systems	1						No substitution	
INFS3202 Web Information Systems	1						No substitution	
INFS3208 Cloud Computing	2						No substitution	

Breadth Electives

0 to 16 units from BInfTech Breadth Elective Courses		Follow the column for the year you commenced and tick completed courses						
Course Code and Title	Sem of offer	2021	2022	2023	2024	2025	Approved substitution	Sem of offer
ACCT1101 Accounting for Decision Making	1,2						No substitution	
BIOL1020 Genes, Cells & Evolution	1,2						No substitution	
BIOL2202 Genetics	2						No substitution	
BIOL3004 Genomics & Bioinformatics (discontinued)	n/a			■	■	■	No substitution	
BIOL3014 Advanced Bioinformatics (discontinued)	n/a			■	■	■	No substitution	
BIOL3303 Genomics	1	■	■				No substitution	
BISM2202 Data Analytics and Information Management	1,2						No substitution	
BISM3205 Business Information Security	2						No substitution	
BISM3208 Business Information Systems & Analytics Capstone	1,2						No substitution	
CHEM1100 Chemistry 1	1,2						No substitution	
COMP1100 Introduction of Software Innovation	1,2	■	■	■		■	No substitution	
COMP3301 Operating Systems Architecture	2						No substitution	

Course	Semester						Substitution	
COMP3880 International Software Development 1	See note*						No substitution	
COMP3881 International Software Development 2							No substitution	
COMS3200 Computer Networks 1	1						No substitution	
COMU1130 Data and Society	2						No substitution	
COMU1140 Multimedia	1,2						No substitution	
COSC2500 Numerical Methods in Computational Science	2						No substitution	
COSC3000 Visualization, Computer Graphics & Data Analysis	1						No substitution	
COSC3500 High-Performance Computing	2						No substitution	
CSSE3100 Reasoning About Programs	1						No substitution	
CSSE3006 Special Projects in Computer Systems and Software Engineering (discontinued)	n/a						No substitution	
CYBR3000 Information Security	2						COMS3000 Information Security (discontinued)	
DECO2801 Human-Centred AI	2						No substitution	
ECON1010 Introductory Microeconomics	1,2,S						No substitution	
ENGG1300 Introduction to Electrical Systems	1,2						No substitution	
ENGG1600 Introduction to Research Practices - The Big Issues (discontinued)	n/a						No substitution	
LAWS1100 Business Law	1,2						No substitution	
MGTS1301 Introduction to Management	1,2						No substitution	
MKTG1501 Foundations of Marketing	1,2						No substitution	
MATH1050 Mathematical Foundations	1,2						No substitution	
MATH1051 Calculus & Linear Algebra I	1,2,S						No substitution	
MATH1052 Multivariate Calculus & Ordinary Differential Equations	1,2,S						No substitution	
MATH2001 Calculus & Linear Algebra II	1,2,S						MATH2000 Calculus & Linear Algebra II (Discontinued)	
MATH2301 Linear & Abstract Algebra & Number Theory	1						No substitution	
MATH2302 Discrete Mathematics II	2						No substitution	
MATH3104 Mathematical Biology	1						No substitution	
MATH3201 Scientific Computing: Advanced Techniques & Applications	1						No substitution	
MATH3202 Operations Research & Mathematical Planning	1						No substitution	

MATH3302 Coding & Cryptography	1						No substitution	
PHYS1002 Electromagnetism & Modern Physics	2						No substitution	
SCIE1000 Theory & Practice in Science	1,2,S						No substitution	
SCIE2100 Bioinformatics 1: Introduction	1						No substitution	
SCIE3100 Bioinformatics 2: Development & Research	2	███████					No substitution	
STAT2003 Mathematical Probability	1						No substitution	
STAT2004 Statistical Modelling & Analysis	2						No substitution	
TIMS3309 Technology and Innovation Management	2						No substitution	

* This course is offered on an occasional basis and the semester of offer on program and courses is indicative only. Dates of travel are likely to fall outside of standard teaching weeks. The course availability and details of the program will be advertised to students early in the semester prior to each planned trip. Students will be required to submit an application for approval to enrol in this course. For more information please email; studentenquiries@eecs.uq.edu.au.

Program Electives

- **0** to **16** units from BInftech Program Elective Courses

General Electives

- **0** to **16** units from General Elective Courses