PROGRAM DETAILS

Code	MJD-ARIDM
Award Title on Transcript/Testamur	Artificial Intelligence
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE				
	Code	**Title**	**Unit Coordinator(s)**	**File #**
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
	PHIL1001	Ethics for the Digital Age		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
	CITS2200	Data Structures and Algorithms		
	CITS2211	Discrete Structures		
	PHIL2008	Minds Machines and Superintelligence		
	PHIL3003/SCIE2100	Philosophy 1/2 Choice		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS3001	Advanced Algorithms		
	CITS3002	Computer Networks		
	CITS3003	Graphics and Animation		
	CITS3005	Knowledge Representation		
	CITS3007	Secure Coding		
	CITS3009	CS WIL Internship		
	CITS3011	Intelligent Agents		
	CITS3200	Professional Computing		
	CITS3402	High Performance Computing		
	CITS3403	Agile Web Development		
LEVEL 4	CITS4010/4011	CS Honours Research Project (24 points)		
	CITS4012	Natural Language Processing		
	CITS4402	Computer Vision		
	CITS4403	Computational Modelling		
	CITS4404	AI and Adaptive Systems		
LEVEL 5	CITS5017	Deep Learning		
	CITS5508	Machine learning		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	MJD-CMPSC
Award Title on Transcript/Testamur	Computer Science Major
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
	CITS2200	Data Structures and Algorithms		
	CITS2211	Discrete Structures		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS3001	Advanced Algorithms		
	CITS3002	Computer Networks		
	CITS3003	Graphics and Animation		
	CITS3005	Knowledge Representation		
	CITS3007	Secure Coding		
	CITS3009	CS WIL Internship		
	CITS3011	Intelligent Agents		
	CITS3200	Professional Computing		
	CITS3402	High Performance Computing		
	CITS3403	Agile Web Development		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	MJD-CDSDM

Award Title on Transcript/Testamur	Computing and Data Science
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
	STAT1400	Statistics for Science		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
	CITS2200	Data Structures and Algorithms		
	CITS2211	Discrete Structures		
	CITS2402	Introduction to Data Science		
	STAT2401	Analysis of Experiments		
	STAT2402	Analysis of Observations		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS3001	Advanced Algorithms		
	CITS3002	Computer Networks		
	CITS3003	Graphics and Animation		
	CITS3005	Knowledge Representation		
	CITS3007	Secure Coding		
	CITS3009	CS WIL Internship		
	CITS3011	Intelligent Agents		
	CITS3200	Professional Computing		
	CITS3401	Data Warehousing		
	CITS3402	High Performance Computing		
	CITS3403	Agile Web Development		
	CITS5504	Data Warehousing		
	STAT3064	Statistical Learning		
	STAT3401	Advanced Data Analytics		
LEVEL 4	CITS4010/4011	CS Honours Research Project (24 points)		
	STAT4062	Statistical Modelling and Interence		
	STAT4066	Bayesian Computing and Statistics		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 5	CITS5503	Cloud Computing		
	CITS5508	Machine learning		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	MJD-ICYDM
Award Title on Transcript/Testamur	International Cybersecurity
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
	PHIL1001	Ethics for the Digital Age		
	POLS1102	Understanding Global Politics		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
	CITS2006	Defensive Cybersecurity		
	CITS2200	Data Structures and Algorithms		
	CITS2211	Discrete Structures		
	IREL2001	Foundations of Foreign Policy		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS3001	Advanced Algorithms		
	CITS3002	Computer Networks		
	CITS3003	Graphics and Animation		
	CITS3005	Knowledge Representation		
	CITS3006	Penetration Testing		
	CITS3007	Secure Coding		
	CITS3009	CS WIL Internship		
	CITS3011	Intelligent Agents		
	CITS3200	Professional Computing		
	CITS3402	High Performance Computing		
	CITS3403	Agile Web Development		
	POLS3XXX	Politics 1/8 Choice		
LEVEL 4	CITS4010/4011	CS Honours Research Project (24 points)		
	CITS4403	Computational Modelling		
	CITS4419	Mobile and Wireless Computing		
	PHYS4021	Quantum Information and Computing		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 5	CITS5501	Software Testing and Quality Assurance		
	CITS5503	Cloud Computing		
	CITS5507	High Performance Computing		
	POLS5641	International Security		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	TBA
Award Title on Transcript/Testamur	Master of Data Science
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	

Key Academic Staff	

OUTCOMES

    1.
    2.
    3.

UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1401	Computational Thinking with Python		
LEVEL 1	CITS1402	Relational Database Management Systems		
LEVEL 2	STAT2401	Analysis of Experiments		
LEVEL 2	STAT2402	Analysis of Observations		
LEVEL 3	CITS3401	Data Warehousing		
LEVEL 3	CITS5504	Data Warehousing		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 4	CITS4012	Natural Language Processing		
	CITS4407	Open Source Tools and Scripting		
	CITS4409	Computational Data Analysis		
	STAT4062	Statistical Modelling and Interence		
	STAT4066	Bayesian Computing and Statistics		
LEVEL 5	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5508	Machine learning		
	CITS5553	Data Science Capstone Project		
	SLVG5001	McCusker Centre for Citizenship Internship		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	SP-XXXX
Award Title on Transcript/Testamur	Master of Information Technology (Applied Computing) (2025) 62510

EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS5504	Data Warehousing		
	CITS5505	Agile Web Development		
LEVEL 4	CITS4012	Natural Language Processing		
	CITS4401	Software Requirements and Design		
	CITS4402	Computer Vision		
	CITS4403	Computational Modelling		
	CITS4404	AI and Adaptive Systems		
	CITS4407	Open Source Tools and Scripting		
	CITS4409	Computational Data Analysis		
	CITS4419	Mobile and Wireless Computing		
	PHIL4100	Ethics, Critical Thinking and AI		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 5	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5017	Deep Learning		
	CITS5206	IT Capstone Project		
	CITS5501	Software Testing and Quality Assurance		
	CITS5503	Cloud Computing		
	CITS5506	The Internet of Thngs		
	CITS5507	High Performance Computing		
	CITS5508	Machine learning		
	SLVG5001	McCusker Centre for Citizenship Internship		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	SP-ARTIN
Award Title on Transcript/Testamur	Master of Information Technology (Artificial Intelligence) (2025) 62510

EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS5505	Agile Web Development		
LEVEL 4	CITS4012	Natural Language Processing		
	CITS4401	Software Requirements and Design		
	CITS4404	AI and Adaptive Systems		
	PHIL4100	Ethics, Critical Thinking and AI		
LEVEL 5	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5017	Deep Learning		
	CITS5206	IT Capstone Project		
	CITS5508	Machine learning		
	SLVG5001	McCusker Centre for Citizenship Internship		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	SP-SOFSY
Award Title on Transcript/Testamur	Master of Information Technology (Software Systems) (2025) 62510
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
LEVEL 3	CITS5505	Agile Web Development		
LEVEL 4	CITS4401	Software Requirements and Design		
	PHIL4100	Ethics, Critical Thinking and AI		
LEVEL 5	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5206	IT Capstone Project		
	CITS5501	Software Testing and Quality Assurance		
	CITS5503	Cloud Computing		
	CITS5506	The Internet of Thngs		
	CITS5507	High Performance Computing		
	SLVG5001	McCusker Centre for Citizenship Internship		

JUSTIFICATION OF PROGRAM DESIGN

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PROGRAM DETAILS

Code	MJD-QCOMP
Award Title on Transcript/Testamur	Quantum Computing
EFT Years of Study	
First Year of Offer	

PERSONNEL

Program Chair	
ICT Industry Liaison	
Key Academic Staff	

OUTCOMES

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UNIT SEQUENCE

	Code	Title	Unit Coordinator(s)	File #
LEVEL 1	CITS1003	Introduction to Cybersecurity		
	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
	MATH1012	Mathematical Theory and Methods		
	PHIL1001	Ethics for the Digital Age		
	PHYS1021	Applied Physics		
LEVEL 2	CITS2002	Systems Programming		
	CITS2005	Object Oriented Programming		
	CITS2006	Defensive Cybersecurity		
	CITS2200	Data Structures and Algorithms		
	CITS2211	Discrete Structures		
	PHYS2004	Quantum and Relativity		

	Code	Title	Unit Coordinator(s)	File #
LEVEL 3	CITS3001	Advanced Algorithms		
	CITS3002	Computer Networks		
	CITS3003	Graphics and Animation		
	CITS3005	Knowledge Representation		
	CITS3007	Secure Coding		
	CITS3009	CS WIL Internship		
	CITS3011	Intelligent Agents		
	CITS3200	Professional Computing		
	CITS3403	Agile Web Development		
LEVEL 4	CITS4010/4011	CS Honours Research Project (24 points)		
	PHYS4021	Quantum Information and Computing		
	PHYS4022	Advanced Quantum Computing		
LEVEL 5	CITS5507	High Performance Computing		
	CITS5508	Machine learning		

JUSTIFICATION OF PROGRAM DESIGN

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