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		
1. 2. 3.		

# UNIT SEQUENCE

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

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

# JUSTIFICATION OF PROGRAM DESIGN placeholder text

PROGRAM DETAIL	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	OUTCOMES		
1.			
2.			

3.

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

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## PROGRAM DETAILS

		Tregram 2 state Table			
	rd Title on script/Testamur	Computing and Data Science	Computing and Data Science		
EFT	Years of Study				
First	Year of Offer				
PERS	SONNEL				
Progr	ram Chair				
ICT I	Industry on				
Key A	Key Academic Staff				
OUTCOMES					
2	1. 2. 3.				
UNIT	UNIT SEQUENCE				
	Code	Title	Unit Coordinator(s)	File #	
	CITS1003	Introduction to Cybersecurity			
LEVEL	CITS1401	Computational Thinking with Python			
EL 1	CITS1402	Relational Database Management Systems			

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STAT1400

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

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

	Code	Title	Unit Coordinator(s)	File #
LEV	CITS5503	Cloud Computing		
EL 5	CITS5508	Machine learning		
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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	PERSONNEL		
Program Chair			
ICT Industry Liaison			
Key Academic Staff			

# **OUTCOMES**

- 1.
- 2.
- 3.

# **UNIT SEQUENCE**

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

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

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

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PROGRAM DETAI	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	CITS1401	Computational Thinking with Python		
EL 1	CITS1402	Relational Database Management Systems		
LEVEL	STAT2401	Analysis of Experiments		
EL 2	STAT2402	Analysis of Observations		
LEVEL	CITS3401	Data Warehousing		
EL 3	CITS5504	Data Warehousing		

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

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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			
PER	SONNEL			
Prog	ram Chair			
ICT Liais	Industry son			
Key Staff	Academic f			
OUT	ГСОМЕЅ			
3	T SEQUENCE			
	Code	Title	Unit Coordinator(s)	File #
I	CITS1003	Introduction to Cybersecurity		
LEVEL 1	CITS1401	Computational Thinking with Python		
	CITS1402	Relational Database Management Systems		
LEV	CITS2002	Systems Programming		
LEVEL 2	CITS2005	Object Oriented Programming		

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	Code	Title	Unit Coordinator(s)	File #
LEVEL	CITS5504	Data Warehousing		
EL 3	CITS5505	Agile Web Development		
	CITS4012	Natural Language Processing		
	CITS4401	Software Requirements and Design		
	CITS4402	Computer Vision		
L	CITS4403	Computational Modelling		
LEVEL 4	CITS4404	AI and Adaptive Systems		
4	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 #
	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5017	Deep Learning		
	CITS5206	IT Capstone Project		
L	CITS5501	Software Testing and Quality Assurance		
LEVEL 5	CITS5503	Cloud Computing		
,5	CITS5506	The Internet of Thngs		
	CITS5507	High Performance Computing		
	CITS5508	Machine learning		
	SLVG5001	McCusker Centre for Citizenship Internship		

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PROGRAM DETAIL	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			
PER	SONNEL			
Prog	gram Chair			
ICT Liais	Industry son			
Key Staff	Academic f			
OUT	ГСОМЕЅ			
3	1. 2. 3. T SEQUENCE			
	Code	Title	Unit Coordinator(s)	File #
I	CITS1003	Introduction to Cybersecurity		
LEVEL 1	CITS1401	Computational Thinking with Python		
. 1	CITS1402	Relational Database Management Systems		
LEVEL	CITS2002	Systems Programming		
/EL 2	CITS2005	Object Oriented Programming		

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

## **JUSTIFICATION OF PROGRAM DESIGN**

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#### PROGRAM DETAILS

CITS1402

		Program Details Table		
Code	e	SP-SOFSY		
	ard Title on ascript/Testamur	Master of Information Technology (Software Systems) (2	025) 62510	
EFT	Years of Study			
First	Year of Offer			
PER	RSONNEL			
Prog	gram Chair			
ICT Liais	Industry			
Key Staff	Academic f			
OUI	гсомеѕ			
2	1. 2. 3.			
UNI	T SEQUENCE			
	Code	Title	Unit Coordinator(s)	File #
L	CITS1003	Introduction to Cybersecurity		
LEVEL	CITS1401	Computational Thinking with Python		
-				

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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	CITS4401	Software Requirements and Design		
EL 4	PHIL4100	Ethics, Critical Thinking and AI		
	CITS5014/5015	Data and Information Technologies Research Project		
	CITS5206	IT Capstone Project		
L	CITS5501	Software Testing and Quality Assurance		
LEVEL	CITS5503	Cloud Computing		
.5	CITS5506	The Internet of Thngs		
	CITS5507	High Performance Computing		
	SLVG5001	McCusker Centre for Citizenship Internship		

## **JUSTIFICATION OF PROGRAM DESIGN**

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PROGRAM DETAI	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				
1. 2. 3.				
UNIT SEQUENCE				

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

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

# JUSTIFICATION OF PROGRAM DESIGN

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