B.S. Computer Science, Artificial Intelligence Minor

Student Name: ____

Degree Audit Worksheet

Date: _____

University C	ore Requirements (40 CR)		Grade	Computer Sci	ence Major (52 CR)		Grad
WRI1001	Technical Writing	4CR		CS1051	Problem Solving using Programming Language	4CR	
COM2001	Public Speaking	4CR		CS2001	Object Oriented	4CR	
	· · · · · · · · · · · · · · · · · · ·				Programming using Java		
HUM1051	Ethics in Technology	4CR		CS2051	Computer Organization	4CR	
	0,				and Architecture		
ECO2001	Economics	4CR		CS2052	Digital Electronics	4CR	
PHY1001	Physics	4CR		CS2053	Database Management	4CR	
	-				System		
MTH1001	Linear Algebra	4CR		CS3001	Data Structure and	4CR	
					Algorithm		
MTH1051	Calculus	4CR		CS3002	Operating System	4CR	
MTH2001	Statistics I	4CR		CS3003	Discrete Mathematics	4CR	
MTH2051	Statistics II	4CR		CS3004	Web Technologies	4CR	
LOG1051	Logical Reasoning	4CR		CS3051	Advanced	4CR	
					Microprocessor		
				CS3052	Design & Analysis of	4CR	
					Algorithm		
				CS3053	Software Engineering	4CR	
					and Project Management		
				CS3054	Computer Networks	4CR	
				Artificial Intell	igence Minor (28 CR)		Grad
				AI4001	Introduction to Artificial	4CR	
					Intelligence		
				AI4002	Introduction to Machine	4CR	
					Learning		
				AI4003	Al and Ethics	4CR	
				AI4004	Natural Language	4CR	
					Processing		
				AI4051	Deep Learning	4CR	
				AI4052	Expert System	4CR	
				AI4060	Capstone Project	4CR	
				EXP3100	Co-op 1	0CR	
				EXP3200	Co-op 2	0CR	
				EXP3300	Co-op 3	0CR	
				EXP4100	Co-op 4	OCK	
				FXP4200	Co-op 5	OCR	

Total Number of Credits: 120

Notes:

- 1. To earn a Bachelors degree, all graduates must successfully complete a minimum of 120 credit hours.
- 2. Minimum of 32 credits must be taken at Centenary University.
- 3. All graduates must have a minimum cumulative grade point average of 2.0 or above.
- 4. All graduates must have a minimum of 2.0 GPA in their major(s).
- 5. Courses that are special topic listed in the title, typically ending with a 99, are repeatable. Courses are counted multiple times and do not replace grades of the previous special topic course.

EXP4300

Co-op 6

0CR

6. Credits can only be shared between the core and the major or core and minor requirements. Shared credits within the core requirements is not allowed.

B.S. Computer Science, Full Stack Development Minor

Student Name:

Degree Audit Worksheet

Date:

University Core Requirements (40 CR) Grade Computer Science Major (52 CR) Grade WRI1001 **Technical Writing** 4CR CS1051 Problem Solving using 4CR Programming Language COM2001 CS2001 **Public Speaking** 4CR **Object Oriented** 4CR Programming using Java HUM1051 Ethics in Technology 4CR CS2051 **Computer Organization** 4CR and Architecture ECO2001 Economics 4CR CS2052 **Digital Electronics** 4CR PHY1001 Physics 4CR CS2053 Database Management 4CR Svstem MTH1001 Linear Algebra 4CR CS3001 Data Structure and 4CR Algorithm MTH1051 4CR CS3002 4CR Calculus **Operating System** CS3003 MTH2001 Statistics I 4CR **Discrete Mathematics** 4CR MTH2051 Statistics II 4CR CS3004 Web Technologies 4CR LOG1051 Logical Reasoning 4CR CS3051 Advanced Microprocessor 4CR CS3052 Design & Analysis of 4CR Algorithm CS3053 Software Engineering and 4CR Project Management CS3054 Computer Networks 4CR

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ull Stack I	Development	Minor	(28 CR)
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Full Stack Development Minor (28 CR)								
FSD4001	Front End Development	4CR						
FSD4002	Back End Development	4CR						
FSD4003	Application Development	4CR						
	using .Net							
FSD4004	E-Commerce	4CR						
FSD4051	Server-side programming	4CR						
	using PHP							
FSD4052	DevOPs and Cloud	4CR						
FSD4060	Capstone Project	4CR						
EXP3100	Co-op 1	0CR						
EXP3200	Co-op 2	0CR						
EXP3300	Co-op 3	0CR						
EXP4100	Co-op 4	0CR						
EXP4200	Co-op 5	0CR						
EXP4300	Co-op 6	0CR						

Total Number of Credits: 120

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- Credits can only be shared between the core and the major or core and minor requirements. Shared credits 6. within the core requirements is not allowed.

B.S. Computer Science, Data Science Minor

Student Name: ____

Degree Audit Worksheet

Date: _____

University Co	ore Requirements (40 CR)		Grade	Computer S	cience Major (52 CR)		Grade
WRI1001	Technical Writing	4CR		CS1051	Problem Solving using Programming Language	4CR	
COM2001	Public Speaking	4CR		CS2001	Object Oriented Programming using Java	4CR	
HUM1051	Ethics in Technology	4CR		CS2051	Computer Organization and Architecture	4CR	
ECO2001	Economics	4CR		CS2052	Digital Electronics	4CR	
PHY1001	Physics	4CR		CS2053	Database Management System	4CR	
MTH1001	Linear Algebra	4CR		CS3001	Data Structure and Algorithm	4CR	
MTH1051	Calculus	4CR		CS3002	Operating System	4CR	
MTH2001	Statistics I	4CR		CS3003	Discrete Mathematics	4CR	
MTH2051	Statistics II	4CR		CS3004	Web Technologies	4CR	
LOG1051	Logical Reasoning	4CR		CS3051	Advanced Microprocessor	4CR	
				CS3052	Design & Analysis of Algorithm	4CR	
				CS3053	Software Engineering and Project Management	4CR	
				CS3054	Computer Networks	4CR	
				Data Scienc	e (28 CR)		
				DSC4001	Introduction to Data Science	4CR	
				DSC4002	Data Mining	4CR	
				DSC4003	Data Ware Housing	4CR	
				DSC4004	Data Visualization	4CR	
				DSC4051	Big Data	4CR	
				DSC4052	Programing for Data Science	4CR	
				DSC4060	Capstone Project	4CR	

Total Number of Credits: 120

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EXP3100

EXP3200

EXP3300

EXP4100

EXP4200

EXP4300

Co-op 1

Co-op 2

Co-op 3

Co-op 4

Co-op 5

Co-op 6

0CR

0CR 0CR

0CR

0CR

0CR

6. Credits can only be shared between the core and the major or core and minor requirements. Shared credits within the core requirements is not allowed.

B.S. Computer Science, Cybersecurity Minor

Student Name: ____

Degree Audit Worksheet

Date: _____

University Co	ore Requirements (40 CR)		Grade	Computer S	cience Major (52 CR)		Grade
WRI1001	Technical Writing	4CR		CS1051	Problem Solving using	4CR	
					Programming Language		
COM2001	Public Speaking	4CR		CS2001	Object Oriented	4CR	
					Programming using Java		
HUM1051	Ethics in Technology	4CR		CS2051	Computer Organization and	4CR	
					Architecture		
ECO2001	Economics	4CR		CS2052	Digital Electronics	4CR	
PHY1001	Physics	4CR		CS2053	Database Management	4CR	
					System		
MTH1001	Linear Algebra	4CR		CS3001	Data Structure and	4CR	
					Algorithm		
MTH1051	Calculus	4CR		CS3002	Operating System	4CR	
MTH2001	Statistics I	4CR		CS3003	Discrete Mathematics	4CR	
MTH2051	Statistics II	4CR		CS3004	Web Technologies	4CR	
LOG1051	Logical Reasoning	4CR		CS3051	Advanced Microprocessor	4CR	
				CS3052	Design & Analysis of	4CR	
					Algorithm		
				CS3053	Software Engineering and	4CR	
					Project Management		
				CS3054	Computer Networks	4CR	
				Cyber Secu	rity Minor (28 CR)		
				CYS4001	Introduction to Cyber	4CR	
					Security		
				CYS4002	Network Security	4CR	
				CYS4003	Cryptography	4CR	
				CYS4004	Ethical Hacking and	4CR	
					Penetration Testing		
				CYS4051	Ethical and Legal issues in	4CR	
					Cyber Security		
				CYS4052	Cybersecurity Risk	4CR	
					Management		
				CYS4060	Capstone Project	4CR	
				EXP3100	Co-op 1	0CR	
				EXP3200	Co-op 2	0CR	
				EXP3300	Co-op 3	0CR	
				EXP4100	Co-op 4	0CR	
				EXP4200	Co-op 5	0CR	
				EVD4200	Coope		

Total Number of Credits: 120

Notes:

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B.S. Computer Science, Mobile Application Development Minor Student Name: _____

Degree Audit Worksheet

Date: _____

University Co	re Requirements (40 CR)		Grade	Computer Sc	cience Major (52 CR)		Grad
WRI1001	Technical Writing	4CR		CS1051	Problem Solving using	4CR	
					Programming Language		
COM2001	Public Speaking	4CR		CS2001	Object Oriented	4CR	
					Programming using Java		
HUM1051	Ethics in Technology	4CR		CS2051	Computer Organization	4CR	
					and Architecture		
ECO2001	Economics	4CR		CS2052	Digital Electronics	4CR	
PHY1001	Physics	4CR		CS2053	Database Management	4CR	
					System		
MTH1001	Linear Algebra	4CR		CS3001	Data Structure and	4CR	
					Algorithm		
MTH1051	Calculus	4CR		CS3002	Operating System	4CR	
MTH2001	Statistics I	4CR		CS3003	Discrete Mathematics	4CR	
MTH2051	Statistics II	4CR		CS3004	Web Technologies	4CR	
LOG1051	Logical Reasoning 🥂	4CR		CS3051	Advanced	4CR	
					Microprocessor		
				CS3052	Design & Analysis of	4CR	
					Algorithm		
				CS3053	Software Engineering	4CR	
					and Project Management		
				CS3054	Computer Networks	4CR	
				Mobile Application Development (28 CR)			
				MAD4001	Introduction to Mobile	4CR	
					application development		
				MAD4002	Android Application	4CR	
					Development		
				MAD4003	iOS Application	4CR	
					Development		
				MAD4004	Cross-Platform	4CR	
					Application Development		
				MAD4051	Mobile UI/UX Design	4CR	
				MAD4052	Mobile Application	4CR	
					Backend and Cloud		
					Integration		
				MAD4060	Capstone Project	4CR	_
				EXP3100	Co-op 1	0CR	
				EXP3200	Co-op 2	0CR	
				EXP3300	Co-op 3	0CR	
				EXP4100	Co-op 4	0CR	
				EXP4200	Co-on 5	0CB	

Total Number of Credits: 120

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EXP4300

Co-op 6

0CR

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