B.S. Computer Science, Artificial Intelligence Minor **Degree Audit Worksheet**

Student Name: _____ Date: _____

University Core Requirements (40 CR)			Grade
WRI1001	Technical Writing	4CR	_____
COM2001	Public Speaking	4CR	_____
HUM1051	Ethics in Technology	4CR	_____
ECO2001	Economics	4CR	_____
PHY1001	Physics	4CR	_____
MTH1001	Linear Algebra	4CR	_____
MTH1051	Calculus	4CR	_____
MTH2001	Statistics I	4CR	_____
MTH2051	Statistics II	4CR	_____
LOG1051	Logical Reasoning	4CR	_____

Computer Science Major (52 CR)			Grade
CS1051	Problem Solving using Programming Language	4CR	_____
CS2001	Object Oriented Programming using Java	4CR	_____
CS2051	Computer Organization and Architecture	4CR	_____
CS2052	Digital Electronics	4CR	_____
CS2053	Database Management System	4CR	_____
CS3001	Data Structure and Algorithm	4CR	_____
CS3002	Operating System	4CR	_____
CS3003	Discrete Mathematics	4CR	_____
CS3004	Web Technologies	4CR	_____
CS3051	Advanced Microprocessor	4CR	_____
CS3052	Design & Analysis of Algorithm	4CR	_____
CS3053	Software Engineering and Project Management	4CR	_____
CS3054	Computer Networks	4CR	_____

Artificial Intelligence Minor (28 CR)			Grade
AI4001	Introduction to Artificial Intelligence	4CR	_____
AI4002	Introduction to Machine Learning	4CR	_____
AI4003	AI and Ethics	4CR	_____
AI4004	Natural Language Processing	4CR	_____
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	0CR	_____
EXP4200	Co-op 5	0CR	_____
EXP4300	Co-op 6	0CR	_____

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.
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B.S. Computer Science, Full Stack Development Minor **Degree Audit Worksheet**

Student Name: _____ Date: _____

University Core Requirements (40 CR)			**Grade**
WRI1001	Technical Writing	4CR	_____
COM2001	Public Speaking	4CR	_____
HUM1051	Ethics in Technology	4CR	_____
ECO2001	Economics	4CR	_____
PHY1001	Physics	4CR	_____
MTH1001	Linear Algebra	4CR	_____
MTH1051	Calculus	4CR	_____
MTH2001	Statistics I	4CR	_____
MTH2051	Statistics II	4CR	_____
LOG1051	Logical Reasoning	4CR	_____

Computer Science Major (52 CR)			**Grade**
CS1051	Problem Solving using Programming Language	4CR	_____
CS2001	Object Oriented Programming using Java	4CR	_____
CS2051	Computer Organization and Architecture	4CR	_____
CS2052	Digital Electronics	4CR	_____
CS2053	Database Management System	4CR	_____
CS3001	Data Structure and Algorithm	4CR	_____
CS3002	Operating System	4CR	_____
CS3003	Discrete Mathematics	4CR	_____
CS3004	Web Technologies	4CR	_____
CS3051	Advanced Microprocessor	4CR	_____
CS3052	Design & Analysis of Algorithm	4CR	_____
CS3053	Software Engineering and Project Management	4CR	_____
CS3054	Computer Networks	4CR	_____

Full Stack Development Minor (28 CR)			
FSD4001	Front End Development	4CR	_____
FSD4002	Back End Development	4CR	_____
FSD4003	Application Development using .Net	4CR	_____
FSD4004	E-Commerce	4CR	_____
FSD4051	Server-side programming using PHP	4CR	_____
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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B.S. Computer Science, Data Science Minor **Degree Audit Worksheet**

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University Core Requirements (40 CR)			**Grade**
WRI1001	Technical Writing	4CR	_____
COM2001	Public Speaking	4CR	_____
HUM1051	Ethics in Technology	4CR	_____
ECO2001	Economics	4CR	_____
PHY1001	Physics	4CR	_____
MTH1001	Linear Algebra	4CR	_____
MTH1051	Calculus	4CR	_____
MTH2001	Statistics I	4CR	_____
MTH2051	Statistics II	4CR	_____
LOG1051	Logical Reasoning	4CR	_____

Computer Science Major (52 CR)			**Grade**
CS1051	Problem Solving using Programming Language	4CR	_____
CS2001	Object Oriented Programming using Java	4CR	_____
CS2051	Computer Organization and Architecture	4CR	_____
CS2052	Digital Electronics	4CR	_____
CS2053	Database Management System	4CR	_____
CS3001	Data Structure and Algorithm	4CR	_____
CS3002	Operating System	4CR	_____
CS3003	Discrete Mathematics	4CR	_____
CS3004	Web Technologies	4CR	_____
CS3051	Advanced Microprocessor	4CR	_____
CS3052	Design & Analysis of Algorithm	4CR	_____
CS3053	Software Engineering and Project Management	4CR	_____
CS3054	Computer Networks	4CR	_____

Data Science (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	_____
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	_____

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B.S. Computer Science, Cybersecurity Minor **Degree Audit Worksheet**

Student Name: _____ Date: _____

University Core Requirements (40 CR)			Grade
WRI1001	Technical Writing	4CR	_____
COM2001	Public Speaking	4CR	_____
HUM1051	Ethics in Technology	4CR	_____
ECO2001	Economics	4CR	_____
PHY1001	Physics	4CR	_____
MTH1001	Linear Algebra	4CR	_____
MTH1051	Calculus	4CR	_____
MTH2001	Statistics I	4CR	_____
MTH2051	Statistics II	4CR	_____
LOG1051	Logical Reasoning	4CR	_____

Computer Science Major (52 CR)			Grade
CS1051	Problem Solving using Programming Language	4CR	_____
CS2001	Object Oriented Programming using Java	4CR	_____
CS2051	Computer Organization and Architecture	4CR	_____
CS2052	Digital Electronics	4CR	_____
CS2053	Database Management System	4CR	_____
CS3001	Data Structure and Algorithm	4CR	_____
CS3002	Operating System	4CR	_____
CS3003	Discrete Mathematics	4CR	_____
CS3004	Web Technologies	4CR	_____
CS3051	Advanced Microprocessor	4CR	_____
CS3052	Design & Analysis of Algorithm	4CR	_____
CS3053	Software Engineering and Project Management	4CR	_____
CS3054	Computer Networks	4CR	_____

Cyber Security Minor (28 CR)			
CYS4001	Introduction to Cyber Security	4CR	_____
CYS4002	Network Security	4CR	_____
CYS4003	Cryptography	4CR	_____
CYS4004	Ethical Hacking and Penetration Testing	4CR	_____
CYS4051	Ethical and Legal issues in Cyber Security	4CR	_____
CYS4052	Cybersecurity Risk Management	4CR	_____
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	_____
EXP4300	Co-op 6	0CR	_____

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B.S. Computer Science, Mobile Application Development Minor **Degree Audit Worksheet**

Student Name: _____ Date: _____

University Core Requirements (40 CR)			**Grade**
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COM2001	Public Speaking	4CR	_____
HUM1051	Ethics in Technology	4CR	_____
ECO2001	Economics	4CR	_____
PHY1001	Physics	4CR	_____
MTH1001	Linear Algebra	4CR	_____
MTH1051	Calculus	4CR	_____
MTH2001	Statistics I	4CR	_____
MTH2051	Statistics II	4CR	_____
LOG1051	Logical Reasoning	4CR	_____

Computer Science Major (52 CR)			**Grade**
CS1051	Problem Solving using Programming Language	4CR	_____
CS2001	Object Oriented Programming using Java	4CR	_____
CS2051	Computer Organization and Architecture	4CR	_____
CS2052	Digital Electronics	4CR	_____
CS2053	Database Management System	4CR	_____
CS3001	Data Structure and Algorithm	4CR	_____
CS3002	Operating System	4CR	_____
CS3003	Discrete Mathematics	4CR	_____
CS3004	Web Technologies	4CR	_____
CS3051	Advanced Microprocessor	4CR	_____
CS3052	Design & Analysis of Algorithm	4CR	_____
CS3053	Software Engineering and Project Management	4CR	_____
CS3054	Computer Networks	4CR	_____

Mobile Application Development (28 CR)			
MAD4001	Introduction to Mobile application development	4CR	_____
MAD4002	Android Application Development	4CR	_____
MAD4003	iOS Application Development	4CR	_____
MAD4004	Cross-Platform Application Development	4CR	_____
MAD4051	Mobile UI/UX Design	4CR	_____
MAD4052	Mobile Application Backend and Cloud Integration	4CR	_____
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-op 5	0CR	_____
EXP4300	Co-op 6	0CR	_____

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