

ORAL ROBERTS UNIVERSITY
 DEGREE: **Master of Science**
 MAJOR: **Computer Science**
 CONCENTRATION: Data Science

DEGREE PLAN SHEET 2021 - 2022
College of Science and Engineering

TOTAL HOURS REQUIRED

MSCS
 30.5

Name _____
 ID _____ Date _____
 Telephone _____ Email _____
 Advisor _____

SEMESTER TAKEN	COURSE CODE	COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE	COURSE TITLE	CREDIT HOURS
Semester 1				Semester 2			
_____	GCSC 544	Distributed Systems	3	_____	GCSC 511	Software Engineering	3
_____	GCSC 561	Data Mining and Machine Learning	3	_____	GCSC 562	Big Data and High Performance Computing	3
_____	GTHE 510	Holy Spirit Empowerment in Life and Ministry	2	_____	GCSC 599	Research in Computer Science OR GCSC Elective	3
_____	GHPE 503	Graduate Health Fitness	<u>1</u>	_____			
			9				9
Semester 3				Semester 4			
_____	GCSC 563	Artificial Intelligence	3	_____	GHPE _____	GPHE Elective	0.5
_____	GCSC 599	Research in Computer Science	3	_____	GCSC 599	Research in Computer Science	3
_____	GCSC _____	GCSC Elective	<u>3</u>	_____	GCSC _____	GCSC Elective	<u>3</u>
			9				6.5

MS in Computer Science
Concentration: Data Science

College of Science and Engineering: MSCS-DS

2021-22
30.5 Hours

Concentration			Credit Hours
GCSC	511	Software Engineering	3
GCSC	544	Distributed Systems	3
GCSC	561	Data Mining and Machine Learning	3
GCSC	562	Big Data and High Performance Computing	3
GCSC	563	Artificial Intelligence	3
Concentration Total			15
Capstone			
Choose one of the following:			
Thesis Option - Three Semester Sequence:			
GCSC	599	Research in Computer Science	9
Project Option - Two Semester Sequence			
GCSC	599	Research in Computer Science	6
Capstone Total			9 (6)
GCSC Electives			
Choose From			
GCSC	554	Special Topics in Computer Science	
GCSC	556	Advanced Algorithms	
GCSC	570	Automata and Complexity Theory	
GMGT	585	Business Analytics	
GMGT	586	Intermediate Business Analytics	
Electives Total			3 (6)
ORU Distinctive Courses			
GTHE	510	Holy Spirit Empowerment in Life and Ministry	2
GHPE	503	Graduate Health Fitness	1
Choose one of the following:			0.5
GHPE	515	Graduate Aerobics	
GHPE	525	Graduate Walk for Fitness	
HPE	_____	HPE Activity Course	
ORU Distinctives Total			3.5
Degree Total			30.5