

ORAL ROBERTS UNIVERSITY
 DEGREE: Bachelor of Science
 MAJOR: Computer Science

DEGREE PLAN SHEET 2021-2022
 Computer Science Major
 Computing and Mathematics Department
 College of Science and Engineering

TOTAL HOURS REQUIRED 120
 Hours in general education 47
 Hours in major 43
 Hours in minor 14
 Hours in electives 16

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

SEMESTER TAKEN	COURSE CODE	COURSE TITLE	CREDIT HOURS	COURSE CODE	COURSE TITLE	CREDIT HOURS
FRESHMAN Semester 1				FRESHMAN Semester 2		
_____	COMP 102	Composition II	3	_____	111 Laboratory Science ³	4
_____	MAT 201	Calculus I	4	_____	COM 101 Oral Communication	3
_____	CSC 111	Introduction to Computing	3	_____	CSC 206 Intermediate Programming	3
_____	THE 104	Spirit-Empowered Living	2	_____	THE 105 Spirit-Empowered Leadership	2
_____	GEN 150	Introduction to Whole Person Education	1	_____	HPE 155 Health Fitness ⁷	1
_____	PRFH 070	Swimming Proficiency	0	_____	MAT 202 Calculus II	4
_____	CSC 100	Computing & Mathematics Seminar	0.5	_____	CSC 100 Computing & Mathematics Seminar	0.5
			13.5			17.5

SOPHOMORE Semester 3				SOPHOMORE Semester 4					
			Social Science Elective ⁶	3		CIT	306	Database Development	3
	MAT	207	Discrete Mathematics	3				Foreign Language ¹	3
	CSC	255	Data Structures	3		BLIT	122	Christian Life II: New Testament ²	2
			Natural Science Elective	3		MAT	312	Linear Algebra	3
	BLIT	111	Christian Life I: Old Testament ²	2		CSC	212	Computing Ethics	3
	HPE	026	Beginning Swimming ⁸ OR	0.5		CSC	100	Computing & Mathematics Seminar	0.5
	HPE		HPE Activity ⁷			HPE		HPE Activity ⁷	0.5
	CSC	100	Computing & Mathematics Seminar	0.5					
				15					15

⁸If swimming proficiency (PRFH 070) NOT yet passed.

JUNIOR Semester 5				JUNIOR Semester 6					
	CSC	321	Data Communications	3		HUM	Humanities Elective ⁵	3	
	CSC	351	Design of Operating Systems	3		GOV/HIS	Civics Elective ⁴	3	
	CIT/CSC		CIT/CSC Elective (300-400 level)*	3		CSC	453	Compiler Design	3
			Elective	3		COMP	303	Critical Reading & Writing	3
	MAT	325	Probability and Statistics	3		CSC	498	Senior Project I	3
	CSC	100	Computing & Mathematics Seminar	0.5		CSC	100	Computing & Mathematics Seminar	0.5
	HPE		HPE Activity ⁷	0.5		HPE		HPE Activity ⁷	0.5
				16					16

SENIOR Semester 7				SENIOR Semester 8					
	CSC	499	Senior Project II	3		CIT/CSC	CIT/CSC Elective (300–400 level)*	3	
	CSC	356	Design and Analysis of Algorithms	3		HUM	Humanities Elective ⁵	3	
			Elective	3			Elective	3	
			Elective	3			Elective	3	
			Elective	1		HPE	HPE Activity ⁷	0.5	
	HPE	400	Lifelong Wellness ⁷	0.5		CSC	100	Computing & Mathematics Seminar	0.5
	CSC	100	Computing & Mathematics Seminar	0.5					
				14					13

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2021-2022

B.S. in Computer Science

General Education		Credit Hours
Introduction to Whole Person Education (GEN 150)		1
English (COMP 102, 303)		6
Foreign Language ¹		3
Oral Communication (COM 101)		3
Biblical Literature ²		4
Theology (THE 104 and 105)		4
Laboratory Science (lecture and lab) ³		4
Natural Science Elective		3
Mathematics (MAT 325)		3
Civics ⁴		3
Humanities ⁵		6
Social Science Elective ⁶		3
Health and Physical Education ⁷		4
General Education Total		47
¹ Choose from 101, 102, 203, and 204 classes in Arabic, Chinese, French, Hebrew, or Spanish. Meet GO course requirement.		
² BLIT 111/BIB 222 or BLIT 122/BIB 261.		
³ BIO 111, CHE 111, or PHY 111 (recommended) lecture and lab.		
⁴ Choose from GOV 101, GOV 103, HIS 110, HIS 111, or HIS 200.		
⁵ HUM 201, 202, 203 or 204. Choose your second course from HUM 201, 202, 203, 204, 225, 250, 255, 260, 270, 275, 307, 333, or 342.		
⁶ Choose from BUS 201; FIN 244; MUS 208; PSY 201; SOC 101, 201, 323; SWK 202.		
⁷ HPE 155, HPE 400, HPE 026 or swimming proficiency, and one activity course per full-time semester of enrollment. Students may complete the same activity course twice towards fulfilling their HPE requirements. Each HPE course is 1 credit hour, but students can petition to take it for .5 credits. Course work remains the same.		
Major		
CIT 306 Database Development		3
CSC 111 Introduction to Computing		3
CSC 206 Intermediate Programming		3
CSC 212 Computing Ethics		3
CSC 255 Data Structures		3
CSC 321 Data Communications		3
CSC 351 Design of Operating Systems		3
CSC 356 Design and Analysis of Algorithms		3
CSC 453 Compiler Design		3
CSC 498 Senior Project I		3
CSC 499 Senior Project II		3
CSC/CIT Elective (CSC/CIT 300-400)		6
CSC 100 Computing & Mathematics Seminar		4
Major Total		43
Minor (MATM)		
MAT 201 Calculus I		4
MAT 202 Calculus II		4
MAT 207 Discrete Mathematics		3
MAT 312 Linear and Matrix Algebra		3
MAT 325 Probability and Statistics		-
Minor Total		14
Electives		16
Degree Total		120