

# EGR/CE

ORAL ROBERTS UNIVERSITY                      DEGREE PLAN SHEET 2011-2012  
 Engineering, Computer Science, Physics & Mathematics Department  
 DEGREE: Bachelor of Science in Engineering  
 MAJOR: ENGINEERING - Computer Concentration (EGR/CE)

TOTAL HOURS REQUIRED                      137  
 Hours in Major                              41  
 Hours in Concentration                      40  
 Hours in General Education                      56

Name \_\_\_\_\_  
 ID \_\_\_\_\_ Date \_\_\_\_\_  
 Telephone \_\_\_\_\_ Email \_\_\_\_\_  
 Advisor \_\_\_\_\_

SEMESTER TAKEN	COURSE CODE	COURSE TITLE	CREDIT HOURS	SEMESTER TAKEN	COURSE CODE	COURSE TITLE	CREDIT HOURS
<u>FRESHMAN Semester 1</u>				<u>FRESHMAN Semester 2</u>			
_____	COMP 102	* Reading/Writing in Liberal Arts	3	_____	COM 101	Oral Communication	3
_____	THE 103	Spirit-Empowered Living	3	_____	HUM 101	Humanities: Humanitas	3
_____	MAT 201	++ Calculus I	4	_____	MAT 202	Calculus II	4
_____	CHE 111	General Chemistry I	3	_____	PHY 111	++ Physics I	3
_____	CHE 111	General Chemistry I Lab	1	_____	PHY 111	++ Physics I Lab	1
_____	EGR 101	Introduction to Engineering	2	_____	EGR 140	Engineering Graphics	2
_____	EGR 100	Engineering/Physics Seminar	0	_____	EGR 100	Engineering/Physics Seminar	0
_____	GEN 099	Whole Person Assessment	0	_____	HPE 002	Health Fitness II	1
_____	PRF 070	Swimming Proficiency	0				17
_____	HPE 001	Health Fitness I	1				
			16				

<u>SOPHOMORE Semester 3</u>				<u>SOPHOMORE Semester 4</u>			
_____	MAT 321	Calculus of Functions of Several Variables	4	_____	MAT 211	Differential Equations	3
_____	PHY 112	Physics II	3	_____	EGR 210	Network Analysis I	3
_____	PHY 112	Physics II Lab	1	_____	EGR 210	Network Analysis I Lab	1
_____	CSC 111	Introduction to Computing	3	_____	EGR 231	Heat and Thermodynamics	3
_____	EGR 221	Mechanics I: Statics	3	_____	CSC 255	Data Structures	3
_____	BLIT 110	Survey of Old Testament Literature	3	_____	CMPE 340	Digital Systems	3
_____	EGR 100	Engineering/Physics Seminar	0	_____	CMPE 340	Digital Systems Lab	1
_____	HPE _____	^ HPE Activity	0.5	_____	EGR 100	Engineering/Physics Seminar	0
			17.5	_____	HPE _____	^ HPE Activity	0.5
							17.5
<u>SUMMER</u>				_____	BLIT 120	Survey of New Testament Literature	3
				_____	HUM _____	+++ Humanities Options	3

<u>JUNIOR Semester 5</u>				<u>JUNIOR Semester 6</u>			
_____	_____	+ Social Sciences Elective	3	_____	COMP 303	Critical Reading and Writing	3
_____	HUM _____	+++ Humanities Options	3	_____	HUM _____	+++ Humanities Options	3
_____	CMPE 441	Microprocessor Systems Design	3	_____	MAT _____	Math Elective (Upper Division)	3
_____	EE 321	Electronics I	3	_____	EE 322	Electronics II	3
_____	EE 321	Electronics I Lab	1	_____	EE 322	Electronics II Lab	1
_____	_____	Technical Elective	3	_____	CMPE 443	Computer Architecture	3
_____	EGR 100	Engineering/Physics Seminar	0	_____	EGR 100	Engineering/Physics Seminar	0
_____	HPE _____	^ HPE Activity	0.5	_____	HPE _____	^ HPE Activity	0.5
			16.5				16

<u>SENIOR Semester 7</u>				<u>SENIOR Semester 8</u>			
_____	HIS 101	American History	3	_____	GOV 101	American Government	3
_____	EGR 461	EGR Management and Economy	2	_____	PHY 211	Modern Physics	3
_____	_____	Technical Elective	3	_____	PHY 211	Modern Physics Lab	1
_____	_____	Technical Elective	3	_____	_____	Technical Elective	3
_____	EGR 498	Senior Design & Research I	2	_____	_____	Technical Elective	3
_____	EGR 100	Engineering/Physics Seminar	0	_____	EGR 499	Senior Design & Research II	2
_____	HPE _____	^ HPE Activity	0.5	_____	EGR 100	Engineering/Physics Seminar	0
			13.5	_____	HPE _____	^ HPE Activity	0.5
							15.5

**KEY**

- \* If the student is required to enroll in COMP 101 then COMP 102 must be taken before Semester 6 and one of the other General Education courses will be taken by correspondence or summer school.
- + BUS 201 Principles of Economics I (recommended), PSY 201 Principles of Psychology, SOC 101 Introduction in Sociology, FIN 244 Personal Financial Planning, SOC 201 Marriage and Family, MUS 208 Music in World Cultures, SWK 202 Introduction to Social Work, or SOC 323 Child and Family in the Social Context.
- ++ Students who need Precalculus in Semester I should take Calculus I in spring and Physics I in summer.
- +++ See list of Humanities (HUM) options on the back.
- ^ HPE courses are 1 credit hour each, but students can petition to take it for .5 credits. Course work remains the same.

