DEGREE MAJOR: Name	# elephone				DEGREE PLAN SHEET 2018-2019 Engineering Department  Date Email					130 27 40 15 48
SEMESTER TAKEN	R COURSI CODE	E	COURSE TITLE		CREDIT HOURS	SEMESTER TAKEN	COURSE		COURSE TITLE	CREDIT
	COMP THE MAT CHE CHE EGR EGR GEN PRFH	102 104 201 111 111L 101 100 150 070	FRESHMAN Semester 1 Composition II* Spirit-Empowered Living I Calculus I++ General Chemistry I General Chemistry I Lab Introduction to Engineering Engineering/Physics Seminar Intro to Whole Person Education Swimming Proficiency		3 2 4 3 1 2 0 1 0		COM THE MAT PHY PHY EGR EGR HPE	101 105 202 111 111L 140 100	FRESHMAN Semester 2 Oral Communication Spirit-Empowered Living II Calculus II Physics I++ Physics I Lab++ Engineering Graphics Engineering/Physics Seminar Health Fitness	3 2 4 3 1 2 0 1
	MAT PHY PHY EGR EGR BLIT EGR HPE	321 112 112L 252 221 111 100	SOPHOMORE Semester 3 Calculus III Physics II Physics II Lab Engineering Computational Meth Mechanics I: Statics Bible I: Old Testament Engineering/Physics Seminar HPE Activity^	ods	4 3 1 3 3 2 0 0.5		MAT EGR EGR CSC CMPE CMPE EGR HPE	211 210 210L 231 206 340 340L 100	SOPHOMORE Semester 4 Differential Equations Network Analysis I Network Analysis I Lab Heat and Thermodynamics Intermediate Programming Digital Systems Design Digital Systems Design Lab Engineering/Physics Seminar HPE Activity^	3 3 1 3 3 3 1 0 0.5
	MAT CMPE EE EE EGR HPE	325 441 321 321L 100	JUNIOR Semester 5 Social Sciences Elective+ Probability and Statistics Microprocessor Systems Design Electronics I Electronics I Lab Technical Elective Engineering/Physics Seminar HPE Activity <sup>A</sup>		3 3 3 1 3 0 0.5 16.5		BLIT COMP PHY PHY EE EE CMPE EGR HPE	322	JUNIOR Semester 6 Bible II: New Testament Critical Reading and Writing Introduction to Modern Physics # Introduction to Modern Physics Lab# Electronics II Electronics II Lab Computer Architecture Engineering/Physics Seminar HPE Activity^	2 3 3 1 3 1 3 0 0.5
	GOV/HIS HUM EGR EGR EGR	461 ————————————————————————————————————	SENIOR Semester 7 Civics Elective** Humanities Options+- 3 EGR Management and Economy Technical Elective Technical Elective Senior Design and Research I Engineering/Physics Seminar	,	3 3 2 3 3 2 0		HUM ————————————————————————————————————	499 100	SENIOR Semester 8 Foreign Language Humanities Options+++ Technical Elective Technical Elective Senior Design and Research II Engineering/Physics Seminar FE Exam Proficiency	3 3 3 3 2 0

Students who need Trigonometry in semester I should take Calculus I in the spring and Physics I in the summer.

0.5

HPE

\_ HPE Activity^

Lifelong Wellness<sup>^</sup>

HPE

400

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.

PSY 201 Principles of Psychology, MUS 208 Music in World Cultures, SWK 202 Introduction to Social Work, SOC 101 Introduction in Sociology, SOC 201 Marriage and Family, SOC 323 Child and Family in the Social Context, BUS 201 Principles of Economics I, or FIN 244 Personal Financial Planning (recommended)

See list of Humanities (HUM) options on the back.

HPE courses are 1 credit hour each, but students can petition to take them for .5 credits. Course work remains the same.

Only offered every other year. May be taken in senior year (switched with technical elective.)

General Education			<b>Credit Hours</b>						
		son Education (GEN 150) Counts as HPE Activity	1						
Composition (CON	/IP 102,	303)	6						
Oral Communication (COM 101)									
Humanities (HUM 201*, 202*, 203*, 204*; 333, ART 103, 104, 307; DANP 125; DRAM 215, 304; MUS 300)  *At least one course must be chosen from courses marked with asterisks.									
Civics (GOV 101, GOV 103, HIS 110, HIS 111, or HIS 200)									
Foreign Language (101, 102, 203 or 204)									
Biblical Literacy (BLIT 111,122)									
Theology (THE 104,105)									
Chemistry (CHE 104, 105)									
· ·									
- '	Physics (PHY 111 lecture and lab)								
Mathematics (MAT		Photos of one of the following: DCV 201, MUC 200, CM/K 202, COC 101	3						
		Choice of one of the following: PSY 201, MUS 208, SWK 202, SOC 101,	3						
		3, BUS 201 or FIN 244-recommended.)	4						
Health Science (one course per full-time semester at ORU, including									
HPE 155 8	and 400	), swimming course or proficiency, and electives.)							
_		General Education Total	48						
Major									
	100	Engineering/Physics Seminar	0						
EGR	101	Introduction to Engineering	2						
EGR	140	Engineering Graphics	2						
EGR	210	Network Analysis I (lecture and lab)	4						
EGR	221	Mechanics I: Statics	3						
EGR	231	Heat and Thermodynamics	3						
	461	Engineering Management and Economy	2						
	498	Senior Design and Research I	2						
	499	Senior Design and Research II	2						
	001	FE Exam Proficiency	0						
	112	Physics II (lecture and lab)	4						
	252	Engineering Computational Methods	3						
LON	202	Major Total	27						
Computer	Engine	ering Concentration (CE)							
-	211	Introduction to Modern Physics (lecture and lab)	4						
CSC	206	Intermediate Programming	3						
	340	Digital Systems Design (lecture and lab)	4						
	441	Microprocessor Systems Design	3						
	443	Computer Architecture	3						
	321	Electronics I (lecture and lab)	4						
	322	Electronics II (lecture and lab)	4						
Choice of f	ive of t	he following technical elective courses:	15						
CMPE	312	Computer Networks and Communications							
CMPE	450	Special Topics: Artificial Intelligence							
	311	Network Analysis II							
	325	Design with Standard Components							
	450	Special Topics: Digital Signal Processing							
	330	Control Systems							
	255	Data Structures							
555		Computer Engineering Concentration Total	40						
Cognate									
	201	Calculus I	4						
MAT	202	Calculus II	4						
	211	Differential Equations	3						
	321	Calculus III	4						
	•	Cognate Total	15						
		Degree Total	130						

<sup>\*</sup>All students must pass the seminar course each semester they are enrolled in this major.