ECEGR

Bachelor of Science in Electrical Engineering with Computer Engineering Specialization

4 YEAR TYPICAL PROGRAM OF STUDY

2014-201

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: 180 credits **Credits in major:** 132-135 **GPA cumulative minimum**: 2.5 **GPA major minimum :** 2.5	• Assumes trigonometry (MATH 1322) not needed due to placement exam or college credit. • Assumes placement into MATH 1334 by SAT/ACT/SU math placement exam or college credit; students not placing into MATH 1334 will need to take MATH 1321 as an elective. • ECEGR/CPSC elective total 12-15 credits. A list of allowable electives can be found in the Electrical and Computer Engineering Student Handbook. • Entry into ECEGR 3710, ECEGR 3120 and all other upper division ECEGR courses is restricted to majors who have been formally admitted to departmental candidacy by the Department Chair. Such admission requires completion of all lower division science and engineering candidacy courses, as well as UCOR 1100 with a combined GPA of at least 2.50. **For complete information on courses, prerequisites, etc, use this information in conjunction with the online Cata (http://catalog.seattleu.edu/) for the current year.**

This example assumes you have completed no degree requirements. Your personal program may vary from this due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDI
FRESHMAN	MATH 1334 - Calculus I	5	MATH 1335 – Calculus II	5	MATH 1336 – Calculus III	5
	ECEGR 1200 – Digital Operations	4	ECEGR 1000 – Computing for Engineers	5	CPSC 1230 – Program and Data Strategy	5
	UCOR 1XXX – University Core	5	PHYS 1210 – Mechanics	5	PHYS 1220 – Electricity and Magnetism	5
SOPHOMORE	MATH 2320 – Linear Algebra	3	MATH 2340 – Differential Equations	4	MATH 2310 – Probability and Statistics	5
	PHYS 1230 – Waves & Optics	5	MATH 2330 – Multivariable Calculus	3	ECEGR 2220 – Microprocessor Design	4
	UCOR 1XXX – University Core	5	ECEGR 2210 – Programmable Devices	2	ECEGR 2100 – Electrical Circuits I	5
	CEEGR 3020 – Engineering Economy	3	UCOR 1XXX – University Core	5	ECEGR 2010 – Computer Tools	1
JUNIOR	ECEGR 3110 – Electrical Circuits II	4	ECEGR 3120 – Semiconductor Devices and Circuits	5	ECEGR 3710 – Signals and Systems	4
	ECEGR 3111 – Electrical Circuits Lab	2	ECEGR 3121 – Electronics Circuits Lab	2	ECEGR 3711 – Signals and Systems Lab	2
	CPSC 2430 – Data Structures	5	CPSC 2600 – Foundations of Computer Science	5	CPSC 3500 – Computing Systems	5
	UCOR 1XXX – University Core	5	UCOR 2XXX – University Core	5	UCOR 2XXX – University Core	5
SENIOR	ECEGR 4870 – Engineering Design I	3	ECEGR 4880 – Engineering Design II	4	ECEGR 4890 – Engineering Design III	3
	ECEGR 3210 – Embedded Systems	5	ECEGR/CS Elective Lecture	4	ECEGR/CS Elective Lecture	4
	ECEGR/CS Elective Lecture	4	UCOR 3XXX – University Core	5	UCOR 3XXX – University Core	5
	UCOR 2XXX – University Core	5				

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS
UCOR 1100 Academic Writing Seminar	UCOR 2100 Theological Explorations	UCOR 3100 Religion in a Global Context
UCOR 1200 Quantitative Reasoning-**satisfied in major**	UCOR 2500 Philosophy of the Human Person	UCOR 3400-3440 Humanities Global Challenge
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600-3640 Social Sciences Global Challenge-**sat in major**
UCOR 1400-1440 Inquiry Seminar in the Humanities		
UCOR 1600-1640 Inquiry Seminar in the Social Sciences		
UCOR 1800-1840 Inq Sem in the Natural Sciences-**sat in major**		

COLLEGE OF SCIENCE & ENGINEERING
Advising Center, ENGR 300

Work closely with your academic advisor to plan your program of stu and the other co-curricular components of your educational pl