MEGR — Bachelor of Science in Mechanical Engineering

TYPICAL 4 YEAR PROGRAM OF STUDY **2014-2015**

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in major:** 135 credits **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. • As shown 181 credits. • *Choose MEGR 3220 – Thermodynamics II or MEGR 3720 – Machine Elements II. • Engineering electives vary from year to year and must be approved by department. • Fundamentals of Engineering (FE) examination is required for graduation. **For complete information on courses, prerequisites, etc., use this information in conjunction with the online Catalog (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	CREDITS
FRESHMAN	MATH 1334 – Calculus I	5	MATH 1335 – Calculus II	5	MATH 1336 – Calculus III	5
	MEGR 1000 – Intro. to Mechanical	1	PHYS 1210 – Mechanics	5	PHYS 1220 – Electricity and Magnetism	5
	UCOR 1XXX University Core	5	MEGR 1050 – Engr. Graphics and Design	3	UCOR 1XXX University Core	5
	UCOR 1XXX University Core	5	MEGR 1810 – Innovative Design	2		
SOPHOMORE	MATH 2330 – Multivariable Calculus	3	MATH 2320 – Linear Algebra	3	MATH 2340 – Differential Equations	4
	PHYS 1230 – Waves and Optics	5	CHEM 1500/1501 – General Chem. I/Lab	5	CEEGR 2210 – Mechanics of Matl. I	4
	MEGR 2100 – Statics	4	MEGR 2300 – Dynamics	4	MEGR 2810 – Engr. Methods	4
	UCOR 1XXX University Core	5	UCOR 2XXX University Core	5	UCOR 2XXX University Core	5
JUNIOR	MEGR 3060 – Machine Shop	1	MEGR 3710 – Machine Elements	5	MEGR 3040 – Data Acqui. and	4
	MEGR 3210 – Thermodynamics	5	ECEGR 3130 – Elements of Electrical Engr.	5	MEGR 3240 – Heat Transfer	5
	MEGR 3500 – Materials Science	5	CEEGR 3310 – Fluid Mechanics	4	MEGR 3220 or MEGR 3720*	4
	CEEGR 3020 – Global Engr.	3				
SENIOR	MEGR 4350 – Dynamic Systems	5	MEGR 4380 – Control Systems	4	Engineering Elective	3
	MEGR 4870 – Engr. Design I	3	MEGR 4880 – Engr. Design II	4	Engineering Elective	3
	UCOR 3XXX University Core	5	Engineering Elective	3	MEGR 4890 – Engr. Design III	3
			UCOR 2XXX University Core	5	UCOR 3XXX 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 – **sat 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 study and the other co-curricular components of your educational plan.