

RETP Mechanical ENGINEERING CURRICULUM GRID

Student Name _____

SID _____

Date Started _____

Advisor _____

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	COST 1103 Freshman Year Experience	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus (<i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i>)	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I (<i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i>)	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	TOTAL HOURS	15	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II (<i>Prerequisite ENGL 1101</i>)	3	
F	CHEM 1212 Principles of Chemistry II (<i>Prerequisite CHEM 1211</i>)	3	
F	CHEM 1212L Principles of Chemistry II Lab (<i>Prerequisite CHEM 1211L</i>)	1	
A	MATH 2101 Calculus I (<i>Prerequisite MATH 1113</i>)	4	
MAJOR	ENGR 2770 Engineering Graphics (<i>Prerequisite MATH 1113</i>)	3	
E	POLS 1101 American Government	3	
	TOTAL HOURS	17	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II (<i>Prerequisite MATH 2101</i>)	4	
F	CSCI 1371 Computing for Engineers and Scientists (<i>Prerequisite MATH 1113</i>)	3	
D	PHYS 2211K Principles of Physics I (<i>Prerequisite MATH 2101</i>)	4	
MAJOR	ENGR 2001 Principles of Engineering Materials (<i>Prerequisites CHEM 1211 & CHEM 1211L</i>)	3	
C	RPHS 2241 Ethics	3	
	TOTAL HOURS	17	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III (<i>Prerequisite MATH 2111</i>)	4	
MAJOR	ENGR 2201 Statics for Engineers (<i>Prerequisites MATH 2111 and PHYS 2211K</i>)	2	
D	PHYS 2212K Principles of Physics II (<i>Prerequisite PHYS 2211K</i>)	4	
MAJOR	ENGR 2016 Computing Techniques (<i>Prerequisite CSCI 1371</i>)	3	
F	MATH 3101 Linear Algebra (<i>Prerequisite MATH 2111</i>)	3	
	TOTAL HOURS	16	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations (<i>Prerequisite MATH 2111</i>)	4	
MAJOR	ENGR 2110 Creative Decisions and Design (<i>Prerequisites ENGR 2770 & CSCI 1371</i>)	3	
MAJOR	ENGR 2202 Dynamics of Rigid Bodies (<i>Prerequisites ENGR 2201 & CSCI 1371</i>)	3	
C	HUMN 1201 Critical Thinking & Communications	3	
E	HIST 2111 OR 2112 US History	3	
	TOTAL HOURS	16	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 3322 Engineering Thermodynamics (<i>Prerequisites PHYS 2212K, CSCI 1371 & MATH 3301</i>)	3	
F	MATH 3602 Linear and Discrete Mathematics (<i>Prerequisite MATH 2111</i>)	4	
E	POLS 2401 Global Issues	3	
E	ECON 2105 Principles of Micro-Economics	3	
	TOTAL HOURS	13	
	Total to Graduate	94	

CORE CURRICULUM AREAS (A-E)

39

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

30

Major

21

INSTITUTIONAL REQUIREMENTS

4

TOTAL HOURS

94 HOURS

STUDENT AGREEMENT

I agree to follow the above schedule.

Student Signature

PREPARED BY: Dr. Spyros Andreou, PE Regents Engineering Transfer Program Coordinator June 2012
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