

REPP COMPUTER ENGINEERING CURRICULUM GRID

Student Name _____

SID _____

Date Started _____

Advisor _____

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	TIGR 1000 Freshman Year Experience I	1	
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	14	
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	
E	POLS 1101 American Government	3	
Institution	TIGR 1001 Freshman Year Experience II	1	
B	AFRS 1501 African American History	2	
	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	
C	HUMN 1201 Critical Thinking & Communications	3	
C	PHIL 2030 Introduction to Ethics	3	
	TOTAL HOURS	17	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III (<i>Prerequisite MATH 2111</i>)	4	
F	CSCI 1610 Introduction to Java (<i>Prerequisite MATH 1113</i>)	4	
D	PHYS 2212K Principles of Physics II (<i>Prerequisite PHYS 2211K</i>)	4	
MAJOR	ENGR 2030 Introduction to Computer Engineering (<i>Prerequisite CSCI 1371</i>)	3	
F	MATH 3101 Linear Algebra (<i>Prerequisite MATH 2111</i>)	3	
	TOTAL HOURS	18	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations (<i>Prerequisite MATH 2111</i>)	4	
MAJOR	ENGR 2025 Introduction to Signal Processing (<i>Prerequisites CSCI 1371 & MATH 2111</i>)	4	
MAJOR	ENGR 2031 Digital Design Laboratory (<i>Prerequisite ENGR 2030</i>)	2	
MAJOR	CSCI 3000 Data Structures (<i>Prerequisite CSCI 1610</i>)	3	
Institution	HEDU	1	
E	HIST 2111 OR 2112 US History	3	
	TOTAL HOURS	17	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 2040 Circuit Analysis (<i>Prerequisites ENGR 2025, PHYS 2212K and MATH 3301</i>)	3	
F	MATH 3602 Linear and Discrete Mathematics (<i>Prerequisite MATH 2111</i>)	4	
E	ECON 2105 Principles of Micro-Economics	3	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
E	POLS 2401 Global Issues	3	
	TOTAL HOURS	16	
Total to Graduate		99	

CORE CURRICULUM AREAS (A-E)	45
Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY	34
Major	16
INSTITUTIONAL REQUIREMENTS	3
TOTAL HOURS	98 HOURS

STUDENT AGREEMENT

I agree to follow the above schedule.

Student Signature

Approved By:
Program Coordinator
Department Chair

Andrew

John Jushy

PREPARED BY:
Dr. Spyros Andreou, PE
Regents Engineering Pathways Program
Coordinator
Approved: September 2017
Modified: 9/1/2017

Date: 9/1/2017

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