

## Computer Engineering – Communications Four Year Plan Freshmen

Year 1 Fall Semester			
Year 1 Fall Semester	Credits	Year 1 Spring Semester	Credits
CMSC 201 Computer Science I	4	CMSC 202 Computer Science II	4
PHYS 121 Physics I	4	MATH 152 Calculus and Analytic Geometry II	4
MATH 151 Calculus and Analytic Geometry I	4	CMPE 212 Prin. Of Digital Design	4
ENGL 100 Composition	3	ENES 101 Introduction to Engineering	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Benchmark Requirements</b> TBD		<b>Benchmark Requirements</b> TBD	
<b>University Requirements: ENGL 100 or equivalent and a credit-bearing math course to be completed within the first year of academic study.</b>			
Year 2 Fall Semester			
Year 2 Fall Semester	Credits	Year 2 Spring Semester	Credits
AH GEP	3	CMPE 306 Basic Circuit Theory (Lab)	4
AH GEP	3	MATH 225 Introduction to Differential Equations	3
MATH 251 Multivariable Calculus	4	CMPE 310 Systems Design and Prog.	4
PHYS 122 Physics II	4	CMSC 341 Data Structures	3
CMSC 203 Discrete Structures	3	<b>Total</b>	<b>14</b>
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>14</b>
<b>Benchmark Requirements – TBD</b>		<b>Benchmark Requirements - TBD</b>	
Year 3 Fall Semester			
Year 3 Fall Semester	Credits	Year 3 Spring Semester	Credits
Science Elective (Major)	4	AH GEP	3
MATH 221 Linear Algebra	3	CMPE 320 Prob. & Random Processes	3
CMPE 314 Electronic Circuits	4	CMSC 421 Operating Systems	3
CMPE 311 C Prog. & Embedded Systems	3	CMPE 330 Wave and Signal Transmission	3
CMPE 323 Signals and Systems	4	CMPE 349 Intro. to Prof. Practice, WI	2
<b>Total</b>	<b>18</b>	PHED	1.5
<b>Benchmark Requirements - TBD</b>		<b>Total</b>	<b>15.5</b>
<b>Benchmark Requirements - TBD</b>		<b>Benchmark Requirements -TBD</b>	
Year 4 Fall Semester			
Year 4 Fall Semester	Credits	Year 4 Spring Semester	Credits
SS GEP	3	SS GEP	3
SS GEP	3	Language 201 GEP	4
Culture GEP	3	CMPE 451 Capstone II	2
CMSC 411 Computer Architecture	3	CMPE Elective List A	3
CMPE 450 Capstone I	2	CMPE Elective List A/B	3
CMPE Elective List A	3	PHED 1.5	1.5
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16.5</b>
<b>Benchmark Requirements – TBD</b>		<b>Total credits including PHED</b>	<b>128</b>