

**University of Maryland, Baltimore County**  
**College of Engineering and Information Technology**

<b>CMPE Curriculum--Communications Engineering Track</b>	
<b>First Semester</b>	<b>Second Semester</b>
MATH 151: Calc I.....4	CMSC 202: CS II .....4
CHEM 101.....4	CMSC 203: Discrete Structures .....3
CMSC 201: CS I .....4	MATH152:CalcII.....4
PHYS 121: Physics I .....4	ENES 101 .....3
Total .....16	Total .....14
<b>Third Semester</b>	<b>Fourth Semester</b>
PHIL 251.....3	University Studies .....6
MATH 251: Multivariable Calc.....4	CMPE 306 Basic Circuit Theory .....4
PHYS 122: Physics II.....4	MATH 225: Intro to Differential Eqs.....3
CMPE 212: Pri. of Digital Design.....4	CMPE 310: Systems Design and Prog .....4
Total .....15	Total .....17
<b>Fifth Semester</b>	<b>Sixth Semester</b>
University Studies .....3	University Studies.....3
MATH 221: Linear Algebra .....3	CMPE 320: Prob. & Random Pro.....3
CMPE 314: Electronic Circuits .....4	CMSC 411: Computer Architecture.....3
CMSC 341: Data Structures .....3	ENGL 393: Technical Writing.....3
CMPE 323: Signals and Systems.....3	CMPE 330: Wave and Signal Transmission.....3
Total .....16	Total.....15
<b>Seventh Semester</b>	<b>Eighth Semester</b>
University Studies .....6	University Studies.....7 (language 4 credits +1 GEP courses)
CMSC 421: Operating Systems.....3	CMPE 451 Capstone II.....2
CMPE 450 Capstone I .....2	Elective .....3
Elective .....3	Total .....12
Elective .....3	
Total .....17	