

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

CMPE Curriculum--VLSI Track	
First Semester MATH 151: Calc I4 CHEM 1014 CMSC 201: CS I.....4 PHYS 121: Physics I.....4 Total.....16	Second Semester CMSC 202: CS II.....4 CMSC 203: Discrete Structures.....3 MATH152:Calc II4 ENES 1013 Total14
Third Semester PHIL 251.....3 MATH 251: Multivariable Calc4 PHYS 122: Physics II.....4 CMPE 212: Pri. of Digital Design4 Total15	Fourth Semester University Studies6 CMPE 306 Basic Circuit Theory4 MATH 225: Intro to Differential Eqs.....3 CMPE 310: Systems Design and Prog4 Total17
Fifth Semester University Studies3 MATH 221: Linear Algebra3 CMPE 314: Electronic Circuits4 CMSC 341: Data Structures3 Elective3 Total16	Sixth Semester University Studies.....3 CMPE 320: Prob. & Random Pro.....3 CMSC 411: Computer Architecture3 CMPE 315: Prin of VLSI.....4 ENGL 393: Technical Writing.....3 Total.....16
Seventh Semester University Studies6 CMSC 421: Operating Systems.....3 CMPE 450 Capstone I2 Elective3 Elective3 Total17	Eighth Semester University Studies..... 7 (language 4 credits + 1 GEP courses) CMPE 451 Capstone II.....2 Elective3 Total12