Baccalaureate Degree (Minimum 143 Credits)  Worksheet for COMPUTER ENGINEERING, B.S.  Dept. of Physical Sciences

NAME _________________________

COMMON CORE:  17 Credits
Analytical Reading/Writing WRT102 ____
Academic Writing WRT202 ____
Human Communication CM104 ____
Information Literacy IFL101 ____
Calculus I MAT171 ____
Physical Education (2 crs.) ___ ___ ___

AREA DISTR. REQUIREMENTS:  12 Credits
I. Fine Arts & Humanities  6 Credits
II. Social & Behav. Sciences  6 Credits
III. Laboratory Sciences
SATISFIED BY MAJOR REQUIREMENTS
IV. Amer./West. Civ., Amer. Govt.  6 Credits
V. Int’l. Studies/Foreign Lang.  6 Credits

*REQUIRED ELECTIVES:  12 Credits
General Chemistry I CHM134 __
Calculus II MAT172 __
Differential Equations MAT272 __

*REQUIRED MAJOR COURSES:  90 Credits
Fund. of Computer Science I CS101 ___
Fund. of Computer Science II CS201 ___
Analysis of Algorithms CS360 ___
Operating Systems CS420 ___
D/A Digital Circuits ECE220 ___
Computers/Discrete Math ECE235 ___
Fund. Computer Eng ECE260 ___
Wave and Optics ECE270 ___
Fund. Electrical Engineering ECE280 ___
D/A Analog Circuits ECE310 ___
Intro to Signal Processing ECE332 ___
Random Signals ECE340 ___
Microprocessor Sys Design ECE370 ___
Capstone Design I ECE400 ___
Capstone Design II ECE402 ___
Embedded System Design ECE420 ___
EPADS I EGR100 ___
EPADS II EGR120 ___
Mathematical Methods EGR240 ___
Career Training Prep. EGR250 ___
Engineering Physics/Mech PHY160 ___
Engineering Physics/E&M PHY260 ___

REQ. ENGINEERING CO-OP:  (6 Credits)
Co-op I EGR491 ___
Co-op II EGR492 ___
Co-op III EGR493 ___

Plus ONE of the following two-course sequences:  (6 Credits)
ECE360 and ECE410
ECE380 and ECE430
EGR392 and EGR442

Plus THREE of the following Engineering Electives:  (9 Credits)
(CS320, 340, 350, 370; ECE350, 360, 380, 410,
430, 450, 454, 470, 472, 474, 476, 480, 480, 482;
EGR342, 392, 442, 446, 490; ME250, 260, 261, 320)

NOTES:  __________________________________
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*(Signed) Faculty Advisor Date
*(Signed) Dept. Chair Date

* A grade of “2.0” or better is required.