School of Business – Computer Science Department
Advising and Course Record Worksheet

Name: _____   SSN: _____   Adviser: _____

General Education Requirements – Advisement Evaluation
Enter work in progress; record grades only for work completed.

Grades of Completed
Courses (initial)

AREA I BASIC COMMUNICATIONS   **12 semester hours**

a) ENG 112 (A minimum of 6 hours in English   3 hours   _____
    Composition ending with English 200)
b) Speech 101   3 hours   _____
c) CS190   3 hours   _____
d) ENG 200   3 hours   _____
e) Foreign Language (not required for BS)

AREA II SOCIAL SCIENCE   **9 semester hours**
   No more than 6 hours in any one discipline

a) Political Science (101 or 103)   3 hours   _____
b) 6 hrs. from Anthropology, Economics, Geography,   _____
    Political Science, or Sociology   6 hours   _____

AREA III HUMANITIES   **12 semester hours**
a) Literature (in any language-English 200 prerequisite)   3 hours _____

b) History   3 hours   _____
c) Art 101, Music 101, or Theatre 101   3 hours   _____
d) Art, History, Literature (any language), Music
    Philosophy and Religious Studies, or Theatre   3 hours   _____

AREA IV HUMANITIES/SOCIAL SCIENCES ELECTIVE
   This is not required for CS majors

AREA V MATHEMATICS   **6 Semester hours**
   Mathematics (A minimum of 6 hours in Mathematics
   111 or higher)   6 hours   _____
                                                                     _____

AREA VI SCIENCE   **12 semester hours**

   (Both biological and physical sciences must be
   represented; labs are required; psychology courses do
   not count as science for certification)

a) Biological Science with Lab   4 hours   _____
b) Chemistry101, Physics201-(Math201 coreq) w/lab   4 hours   _____
c) Chemistry102(CHEM 101), Physics202(Physics 201, 4 hours   _____
    & Math 202 corequisite) w/lab
       TOTAL: **51 HRS.**

Computer Science Courses--Prerequisites and Corequisites*

Required Computer Science Courses:

Course	Description	Prerequisites	Completed
CS 226	Programming and Algorithmic Design(I)	CS190 (CS190 can be counted as a gen. Edu. Req.)	_____
CS 227	Programming and Algorithmic Design(II)	CS 226	_____
CS 280	Digital Systems Design	CS/MATH 212 or CS227, & Math 230	_____

Mathematics 230 should normally be taken before taking any CS course above the 299 Level

Course	Description	Prerequisites	Completed
CS 310	Computer Architecture and Organization	CS 280	_____
CS 313	Systems Design and Development	CS 226, CS 227 (Corequisite)	_____
CS 318	Data Structures and Algorithm Analysis	CS 313	_____
CS 340	Software Design and Development	CS 318 or Permission of Department	_____
CS 350	Theory of Computation	CS 318 and Math 230	_____
CS 401	Programming Languages	CS 350(Can be a Corequisite)	_____
CS 410	Operating Systems	CS 310 and CS 318	_____
CS 480	Senior Seminar	Senior Status	_____

Computer Science Electives: (9 hours)

Course	Description	Prerequisites	Completed
CS 330	Special Topics	Varies by content	_____
CS 360	Introduction to Computer Graphics	CS 318, Math 304 strongly recommended	_____
CS 420	Compiler Construction	CS 318, CS 350, and CS 401(is a Co requisite)	_____
MATH 425	Numerical Analysis	Math 203 and either CS 212 or CS 226	_____
CS 430	Data Base Management Systems Design	CS 313	_____
CS 437	Artificial Intelligence	CS 318 and Math 230; CS 350 is recommended	_____
CS 440	Computer Networks	CS 310 & CS 318	_____
CS 475	Internship in Computer Science	Approval of course coordinator	

*Note: Computer Science majors must have grades of "C" or better in CS and Math prerequisites for all courses. A CS GPA of 2.25 or better is required to take any course above the 299 level.

*The CS major is comprised of 45 hours; there are 48 hours of general education requirements for a BS degree. 18 hours are for the Math minor. 3 hours are from English. The remaining 9 hours (for a total of 120 hours) are "open" electives.

Math Requirements for Computer Science Majors: Math Minor Required

Course	Description	Prerequisites	Completed
Math 201	Calculus I	Math 112, qualifying placement scores, or permission of the Math Department	_____
Math 202	Calculus II	Math 201, or qualifying AP score	_____
Math 230	Discrete Mathematics	Math 202-(Can be a Corequisite) or permission of the Math Department	_____
Math 312	Probability and Statistics II	Math 230 or (Both Math 114 and Math 202) or permission of the Math Department	_____

The Math Minor requires the four courses listed above as well as the additional hours from either the Math A option or the Math B option.

Course	Description	Prerequisites	Completed
(A) Math 203	Calculus III	Math 202 or qualifying AP score	_____
(A) Math 425	Numerical Analysis	Math 203 **and** either CS/Math 212 or CS 226	_____
(B) Math 304	Linear Algebra	Math 202	_____
(B) Math 305	Linear Programming	Math 304 and either Math 212 or CS 226	_____

English Requirements for Computer Science Majors:

Course	Description	Prerequisites	Completed
Eng 318	Technical Communication	Eng 200	_____

OPEN ELECTIVES (10hours)

Course	Description	Prerequisites	Completed
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____