Advising Sheet for CS Majors

Last Update: October 2014

Please fill out this form completely prior to your advising appointment. Taken and current courses should be in pen. Proposed courses should be in pencil.

Name: _____

Current Year: FR SO JR SR

Sem. Of Grad: F/S _____

CAS Requirements Indicate all courses taken or current and circle (filling in when not explicitly listed) the courses you propose to take next semester.

WR 100: _____ WR 150: _____ (Check, circle, or leave blank)

Foreign Language (4th sem. level): _____ (or bilingual, SAT, or AP)

Divisional Studies (see undergraduate bulletin for exact requirements):

HU: _____ HU: _____ SS: _____ SS: _____

NS (lab): _____ NS: _____

CS Concentration Requirements Indicate all courses taken or current and circle (filling in when not explicitly listed) the courses you propose to take next semester. For completed courses, indicate your grade.

MA 123 or equiv. experience: _____

Group A: ***Take all of the following courses.***

CS 111: _____ CS 112: _____ CS 131: _____

CS 210: _____ CS 330: _____

Group B: ***Take at least two.***

CS 132 or MA 242: _____ CS 235 or MA 294: _____ CS 237: _____

Group C: ***Take at least two.***

CS 320: _____ CS 332: _____ CS 350: _____

Group D: ***Take at least four at the 400- and 500-levels, making sure to take at least 15 courses across Groups A, B, C, and D.***

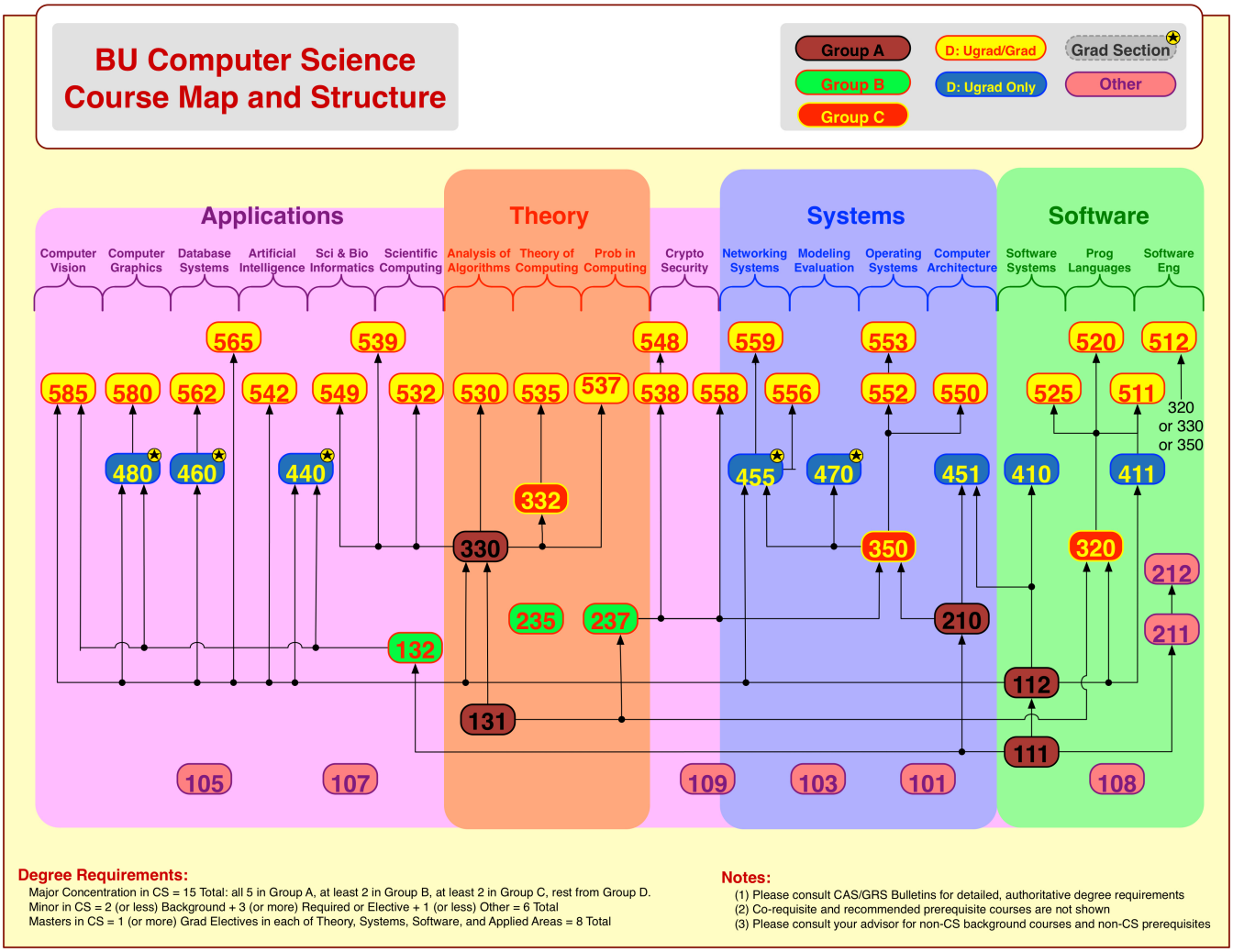
CS _____: _____ CS _____: _____ CS _____: _____

CS _____: _____ CS _____: _____ CS _____: _____

Proposed Schedule List your proposed schedule for next semester, with potential alternates. Consider taking CS courses in addition to the CS concentration requirements, but fulfill the requirements first.

(1) _____ (2) _____ (3) _____ (4) _____

Alternates: (5) _____ (6) _____



111 Introduction to CS I
112 Introduction to CS II
131 Combinatoric Structures
132 Geometric Algorithms
210 Computer Systems
211 Algebraic Algorithms
212 Physical Computing
235 Algebraic Algorithms
237 Probability in Computing
320 Concepts of Programming Languages
330 Introduction to Analysis of Algorithms
332 Elements of Theory of Computation
350 Fundamentals of Computing Systems
410 Advanced Software Systems
411 Software Engineering
440 Introduction to Artificial Intelligence
450 Computer Architecture
460 Introduction to Database Systems
480 Introduction to Computer Graphics
511 Object-Oriented Software Principles
512 Formal Methods for High-Assurance Computer System Design and Analysis
520 Programming Languages
525 Compiler Design Theory
530 Analysis of Algorithms
535 Complexity Theory
537 Probability in Computing
538 Fundamentals of Cryptology
539 Methods of Scientific Computing
542 Machine Learning
548 Advanced Cryptography
549 Pattern Matching and Detection with Applications in Biological Sequence Analysis
552 Introduction to Operating Systems
553 Operating Systems II
556 Advanced Computer Networks
558 Computer Network Security
559 Algorithmic Aspects of Computer Networks
562 Advanced Database Applications
565 Data Mining
580 Advanced Computer Graphics
585 Image and Video Computing