Computer Science Course Prerequisite Structure (as of Fall 2013)

Intro Courses

CS 32 Puzzles, Games, & Algs

(Math 21)

(Math 22)

CS 21 Prog I (may Subst. CS 20)

CS 8* Intro to Web Site Dev

*Required for BS CSIS

CS 189 CS for Geospatial Tech

CS 110 Intermed. Prog

CS 64 Discrete Struct

CS 142 Adv Wed Design

CS 148* Database Design for the Web

Intermediate Courses

(Stat 143 or other probability)

(Math 121, 124)

CS 121 Comp Org

CS 124 Data Struc & Alg

Co-req

CS 125** Computability & Complexity

**Required for BS CS and BA CS

Required for all CS majors

CS 295 Mobile Apps & Wireless Dev.

New prereqs being added starting F'14

***Required for BS CS only

**Required for BS CS and BA CS only

*Required for BS CSIS only

Junior Standing and Programming Experience

CS 228 Hum.-Comp. Interaction

CS 206 Evol Robotics

CS 231 Prog for Bioinf.

CS 232 Methods in Bioinf

CS 251 Artific. Intell.

CS 254 Maching Learning

CS 265 Comp. Networks

CS 222 Comp. Architec

CS 201*** Operating Systems

CS 204 Database Systems

CS 205 Software Engr

CS 266 Net.Sec. & Cryptog.

CS 224 Alg Anal & Design

or

CS 243 Theory of Comp.

Math/Stat Required for all CS majors

***Required for BS CS

Senior Standing in CS or permission

Advanced Courses

NOTE: The courses shown here are only those that have been regularly offered in recent years. Other advanced or special topics courses not shown here may be offered irregularly.

Graduate Standing or permission

CS 276 Integrative Computing

CS 292 Sr. Sem. (1 cr)

CS 302 Modeling Complex Systems

CS 352 Evol. Computation

CS 332 Data Mining