What Beginning CS Courses Should You Take?

The CS Department offers two beginning sequences. The sequence for majors and others planning extensive advanced CS coursework *is CS 1101/02* followed by *CS 2102*. With introduction of this course, a new sequence for non-majors is *CS 110x* followed by *CS 220x*. The majors' sequence will include extensive coverage of data structures and design, while the non-majors' sequence will have less coverage. In particular, the non-majors' sequence **will not** provide suitable background for *CS 2223 Algorithms* and for advanced courses that depend on *CS 2102* and *CS 2223*.

Program/Major	Recommendation for Specific Program/Major
CS	CS 1101/2, CS 2102, CS 2303 If you decide to become a CS Major after CS 110x, take CS 1102 If you decide to become a CS Major after CS 220x, take CS 2102
IMGD Technical	CS 1101/2, CS 2102, CS 2303
Robotics Engineering	***Students planning to take CS 4341 Artificial Intelligence as one of their RBE Electives should take CS 1101/2 to prepare for CS 2223*** RBE students with no interest in CS 4341 may take CS 110x, CS 220x and will be prepared for CS 3733 (Software Engineering)
ECE Computer Engineering	CS 110x, CS 2301 Students will be prepared for CS 3013 (OS), CS 3516 (Networks I)
Other Engineering	CS 110x, CS 2301 or CS 220x (or both)
School of Business MIS	CS 110x, CS 220x Students will be prepared for CS 3041 (HCI) and CS 3431 (DB I)
IMGD Artistic	CS 110x, CS 220x
CS Minors	Depending on which advanced courses you plan to take, take either the majors' sequence or *CS 110X* followed by *CS 220X* and/or CS 2301

Which Advanced CS Courses Can You Take?

If you take CS 110x and CS 2301	*CS 3013 Operating Sys., CS 3043 Social Implications, CS 3516 Comp. Networks, CS 4032/3 Numerical Methods* courses, *CS 4513 Distrib. Comp. Sys., CS 4515 Comp. Arch., CS 4516 Adv. Comp. Networks* **Some of these courses have additional recommended background. Consult the undergraduate catalog**
If you take CS 110x and CS 220x	*CS 3041 Human-Computer Inter., CS 3043 Social Implications*, CS *3431 Database Sys. I, CS 3733 Soft. Eng., CS 4032/3 Numerical Methods* courses, *CS 4233 Obj.-oriented Des. Conc., CS 4241 Webware, CS 4432 Database Sys. II.* **Some of these courses have additional recommended background. Consult the undergraduate catalog**

Figure 1: CS Department Advice Regarding Introductory CS Courses