

CS100: Introduction to the Profession

1 Course Overview

An introduction to computer science as an academic pursuit and profession. Presents a broad survey of CS related topics and research areas, emphasizing problem-solving processes and their interdisciplinary nature.

2 Course Outcomes - Students will be able to

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

3 Course Components - Grades updated in Blackboard every 5 weeks. A>=90 B>=80 C>=70 D>=60 E<60

3.1 Attendance (10%)

Attendance is mandatory for both lecture and lab. *Two absences are automatically excused* - after that, each absence will reduce the attendance score by 10%. In case of illness or emergency, you must contact bauerm@iit.edu before the lecture or lab for an excused absence.

3.2 Lecture Quizzes (5%)

Quizzes will be administered via password protected online forms in lecture weeks 1-4. You must be attending to complete and submit them. The deadline for each quiz is the end of lecture.

3.3 Lab Assignments (15%)

Small team assignments (coded, written, etc.) to be completed in lab the first 5 weeks. TAs will be on hand to facilitate work during the lab session. Online submission for each lab is due midnight your lab day the following week. Lab scores range from 0 (no submission) to 4 (best), and all labs are weighed equally. Unexcused absence for lab = 0 for lab!

3.4 P33 Project (70%)

IIT is working with P33 <https://p33chicago.com/> to impact the technology and innovation hub in Chicago. As part of this effort, there is an opportunity for all CS100 students to engage with a local tech employer in their first term.

Build meaningful connections with tech companies from the very beginning of your college journey. In this subset of CS100, you'll be engaging with local tech employees to solve real-life business problems. You will be working in small groups under the guidance of these professionals to understand current business practices, create high-quality solutions, and get a real sense of what working in tech is like. At the end of the course, you will have acquired the skills, experiences, and connections you need to successfully continue your undergraduate program of study and entry into the tech space.

From week 5 through 12, there will be weekly P33 team assignments (20%), and at the end of week 13 a project deliverable (25%) and presentation (25%).

Teamwork is the key. You will get feedback on improving teamwork from your lab TA.