


Intro to Computer Science & Technology



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Intro to Computer Science




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STUDY PLAN FOR THE SEMESTER

Week 1							
Week 2			 Prog.1 A				
Week 3					 Prog1. B		
Week 4		 Intro to CS					
Week 5	 Game P. 1		 Intro to Cs		 Prog.1		
Week 6	 Game P. 1						
Week 7							

Week 8		 Intro to CS					
Week 9				▲ Math			
Week 10	 Game P. 1		▲ Intro to Cs		▲ Prog.1		
Week 11	▲ Game P. 1						
Week 12							
Week 13		 Intro to CS					
Week 14							
Week 15			▲ Intro to Cs	▲ Math	▲ Prog.1		

LEGEND

▲ = Test Day

🎯 = Assignment due date

Job availabilities after graduation

1. Full Stack Web Developer


A full stack web developer is well-versed in both front- and back-end web development. Using knowledge of how to build applications from start to finish, a full stack developer can plan, manage, and build software. If you like to learn about new concepts and technologies, this could be an excellent career path for you. Job openings for web developers are estimated to **grow** 13% by 2026, which is faster than the average rate for every other occupation.

Average U.S. Salary: **\$88,488**

Source : <https://blog.coursera.org/top-6-jobs-computer-science-degree/>

2. Mobile Application Developer

As smartphone technology continues to evolve, the need for skilled mobile app developers will grow **19%** between now and 2024. In this role, you'll create application software for different operating systems such as iOS, Windows, and Android. You'll need experience using programming languages like Java, C++, C, and Python, among others.



As a mobile application developer, you'll flex your creativity as you work with product and design teams to understand user needs and create technical solutions.

Source : <https://blog.coursera.org/top-6-jobs-computer-science-degree/>

3. Software Engineer

A software engineer writes code that allows computer applications to run smoothly and execute functions properly. In this role, you are responsible for testing and debugging applications as you work closely with cross-functional partners. You should know and understand programming languages like C++, Python, or Ruby, to name a few. While the requirements for software engineering jobs vary from role to role, there are certain skills that every developer needs. The right Computer Science degree can get you prepared to apply.

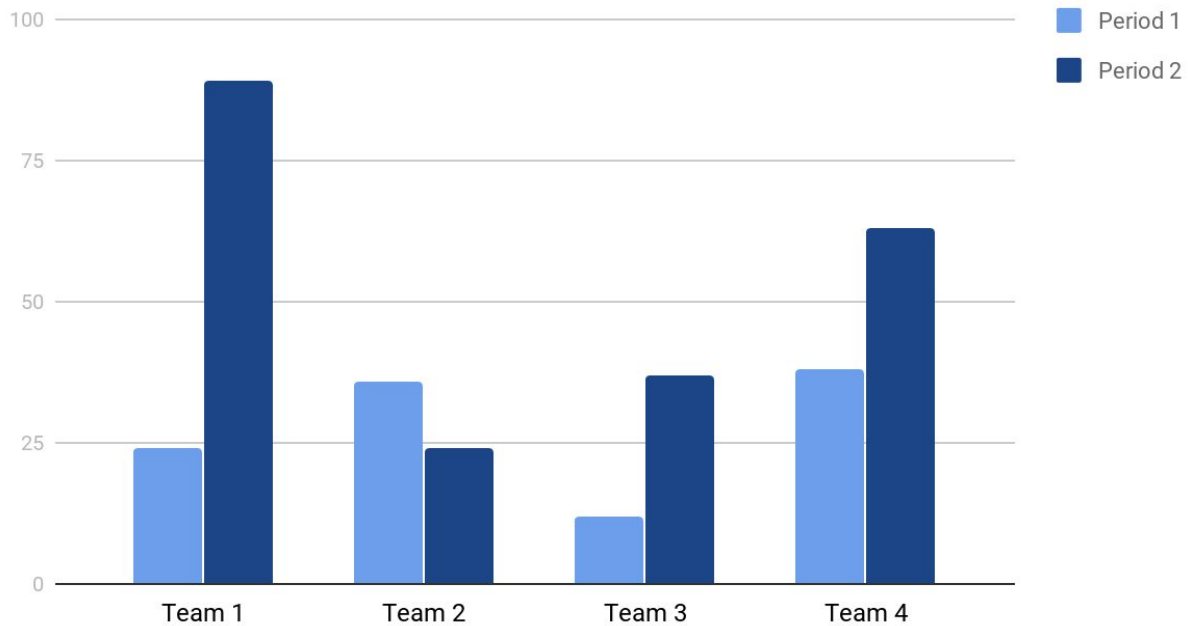
Average U.S. Salary: **\$104,463**

Source : <https://blog.coursera.org/top-6-jobs-computer-science-degree/>

Statistics on job market

Statistic #1

Points scored

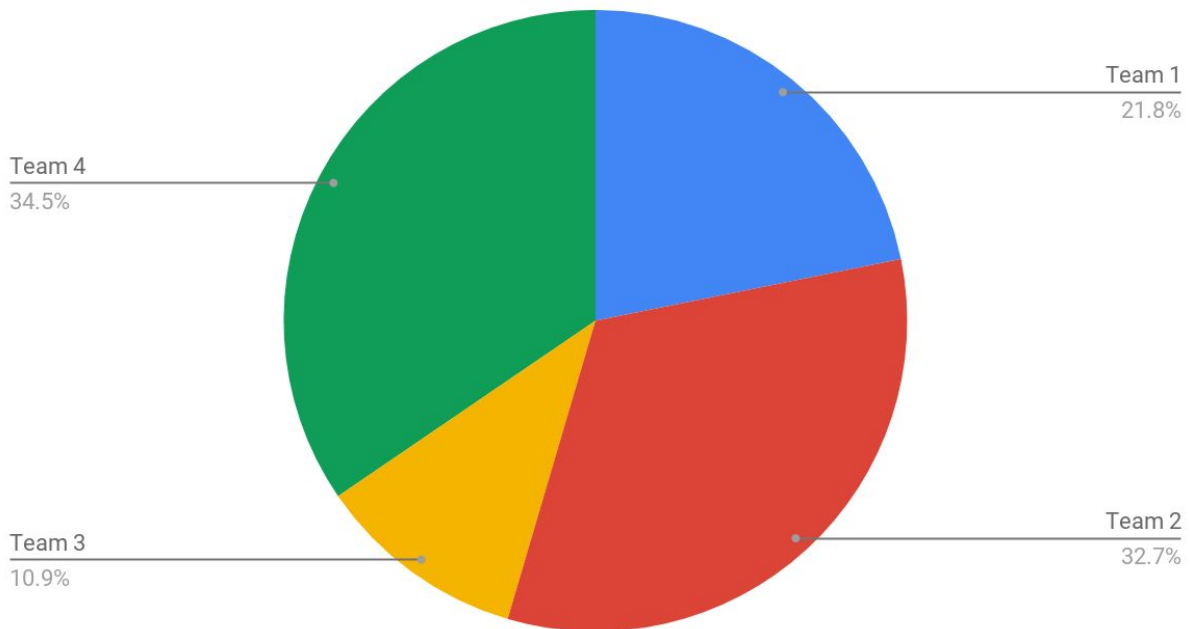


Salary Expectations

Computer science graduates expect starting salaries in the high five-figure to six-figure range, and many of them are actually landing jobs that meet this expectation. About 73 percent of those surveyed by Looksharp expected salaries higher than \$55,000 with an undergraduate degree, and fully 73 percent reported meeting this expectation. In an interesting twist, 12 percent expected salaries exceeding \$100,000 and about 13 percent landed jobs at this pay scale.

Statistic #2

Points scored



Job Prospects for Computer Science Majors

Over 61 percent of graduates of computer science-related programs were employed full time in their field. The employment rate for all 2014 graduates was lower than 45 percent according to the [State of College Hiring Report 2015](#) conducted by Looksharp. The same report found that the employment rate for computer science majors exceeded the 50 percent rate for graduates of science, technology, engineering and math.

1. Computer science careers are expected to grow substantially in the upcoming years

Source : <https://www.rasmussen.edu/degrees/technology/blog/careers-in-computer-science-face-the-facts/>

Fun fact #1Fun fact #1Fun fact #1Fun fact #1Fun fact #1Fun fact #1Fun fact #1Fun fact
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CEGEP Vanier College

Source