

BERKELEY GLOBAL ACCESS REMOTE: COMPUTER SCIENCE TRACK COURSES

We recommend that you take 1–2 of the below classes.

Lower-Division Courses

- The Beauty and Joy of Computing COMPSCI 10
- Completion of Work in Computer Science 61A COMPSCI 47A
- Completion of Work in Computer Science 61B COMPSCI 47B
- Completion of Work in Computer Science 61C COMPSCI 47C
- Computational Structures in Data Science COMPSCI 88
- Data Structures COMPSCI 61B
- Discrete Mathematics and Probability Theory COMPSCI 70
- Freshman Seminars: Boeing 737 MAX: Money, Machines, and Morals in Conflict COMPSCI 24
- Freshman Seminars: The Coevolution of Humans and Machines COMPSCI 24
- Freshman Seminars: Our Digital Quandry: The Co-Evolution of Information Technology and Society COMPSCI 24
- Great Ideas of Computer Architecture (Machine Structures) COMPSCI 61C
- Structure and Interpretation of Computer Programs COMPSCI 61A

Computer Architecture

- Computer Architecture and Engineering COMPSCI 152

Software

- Computer Security COMPSCI 161
- Operating Systems and System Programming COMPSCI 162
- Software Engineering Team Project COMPSCI 169L

CS Theory

- Computability and Complexity COMPSCI 172
- Cryptography COMPSCI 171
- Efficient Algorithms and Intractable Problems COMPSCI 170

CS Applications

- Designing, Visualizing and Understanding Deep Neural Networks COMPSCI W182
- Foundations of Computer Graphics COMPSCI 184
- Introduction to Artificial Intelligence COMPSCI 188
- Introduction to Database Systems COMPSCI W186
- Introduction to Machine Learning COMPSCI 189

Special Topics, Directed Studies

- Data Engineering COMPSCI 194
- Directed Group Studies for Advanced Undergraduates: COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Blockchain for Developers COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Blockchain Fundamentals COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Gamescrafters COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Going Down the EECS Stack COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Intro to Neurotechnology DeCal COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Introduction to Algorithmic Thinking DeCal COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Linux System Administration DeCAL COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Undergrad Research in Data Science (ULAB) DeCal COMPSCI 198
- Directed Group Studies for Advanced Undergraduates: Web Design DeCal COMPSCI 198
- Social Implications of Computer Technology COMPSCI 195

Graduate-Level Courses

- Adaptive Instruction Methods in Computer Science COMPSCI 370
- Algorithmic Human-Robot Interaction COMPSCI 287H
- Applications of Parallel Computers COMPSCI C267
- Combinatorial Algorithms and Data Structures COMPSCI 270
- Computer Networks COMPSCI 268
- Computer Vision COMPSCI C280
- Designing Computer Science Education COMPSCI 302
- Designing, Visualizing and Understanding Deep Neural Networks COMPSCI 282A
- Foundations of Computer Graphics COMPSCI 284A
- Graduate Computer Architecture COMPSCI 252A
- Group Studies Seminars, or Group Research EECS Colloquium COMPSCI 298
- Group Studies Seminars, or Group Research Data Systems and Foundations Seminar COMPSCI 298
- Group Studies Seminars, or Group Research Theory Seminar COMPSCI 298
- Introduction to Machine Learning COMPSCI 289A
- Machine-Based Complexity Theory COMPSCI 278
- Natural Language Processing COMPSCI 288
- Principles and Techniques of Data Science COMPSCI C200A
- Professional Preparation: Supervised Teaching of Computer Science COMPSCI 399
- Security in Computer Systems COMPSCI 261
- Special Topics Machine Learning and Statistics Meet Biology & Chemistry COMPSCI 294
- Special Topics Readings in Neural Network Mathematics COMPSCI 294
- Teaching Techniques for Computer Science COMPSCI 375

Courses subject to change based on availability.