

CS21 -Computer Science 2 - (2026)

Understand advanced creative development. CS21.1

1.01 Understand the development process. U3-L3; U3-L9 CS21.1.01

1.02 Implement collaborative tools and processes. U3-L3; U3-L9; U10-L1; U3-L8; U3-L9; U10-L1; U7-L8; U7-L10 CS21.1.02

1.03 Analyze code segments for purpose and debugging. U3-L6; U5-L17; U3-L7 CS21.1.03

Understand advanced data. CS21.2

2.01 Understand data compression algorithms. U1-L9; U1-L10 CS21.2.01

2.02 Utilize data visualization tools to communicate knowledge. U5-L9; U9-L1; U9-L2; U9-L3 CS21.2.02

2.03 Extract information from data. U9-L1; U9-L1; U9-L3; U9-L5; U9-L6 CS21.2.03

2.04 Utilize models and simulations. U9-L1; U9-L3; U9-L4; U5-L6; U5-L10 CS21.2.04

Understand advanced algorithms and programming. CS21.3

3.01 Understand advanced data structures. U4-L1; U5-L1; U5-L2; U5-L3 CS21.3.01

3.02 Write programs using iterative algorithms. U5-L5; U5-L7 CS21.3.02

3.03 Utilize iteration to traverse indexed data structures. U5-L1; U5-L3; U5-L1; U5-L3; U5-L9; U5-L11; U6-L2; U7-L3 CS21.3.03

3.04 Develop procedures. U6-L1; U6-L1; U6-L1; U7-L6; U3-L6; U4-L3 CS21.3.04

3.05 Evaluate the efficiency of algorithms. U6-L2; U6-L2; U6-L3; U6-L4; U6-L4 CS21.3.05

3.06 Develop procedural abstractions. U7-L1; U7-L2; U7-L6; U7-L3; U7-L5; U7-L6 CS21.3.06

Understand advanced computing systems and networks. CS21.4

4.01 Understand advanced computing systems and communication protocols. U2-L6 CS21.4.01

4.02 Evaluate the reliability and efficiency of computing systems. U6-L5; U6-L5 CS21.4.02

Understand advanced impacts of computing. CS21.5

5.01 Identify sources of bias and discrimination in computing systems. U2-L7; U2-L8; U9-L6 CS21.5.01

5.02 Evaluate computing systems for economic and cultural impacts. U9-L5 CS21.5.02

5.03 Understand the role of computational innovation on globalization. U9-L5 CS21.5.03