

B.S. in Computer Science Degree Completion
Program (Pending WASC Approval)

University of Silicon Andhra

Milpitas, CA 95035

UofSA and Modesto Junior College Course Equivalencies

November 7, 2024

1 UofSA B.S. in Computer Science Degree Completion Program

The University of Silicon Andhra (UofSA) plans to offer a B.S. in Computer Science (BSCS) degree completion program in Fall 2025, pending approval by the WSCUC.

Students will complete the first and second years of the program at Modesto Junior College, and the junior and senior year courses of the BSCS curriculum will be completed at UofSA.

2 Modesto Junior College and UofSA Course Equivalencies

If a cell in the left column (Modesto Junior College courses) lists more than one course, each course is equivalent to the UofSA course shown in the right column.

The following table is incomplete and requires additions/deletions through consultation with the Modesto Junior College Computer Science faculty.

Modesto Junior College Course	University of Silicon Andhra Course
MATH 171: Calculus First Course	CS 120: Differential Calculus
MATH 172: Calculus Second Course	CS 125: Integral Calculus
CSCI 204: Discrete Structures for Computer Science	CS 110: Discrete Structures for Computing I
CSCI 270: Introduction to Programming	CS 100: Foundations of Computing I
CSCI 271: Problem Solving and Programming 1	CS 105: Foundations of Computing II
CSCI 272	CS 200: Algorithms and Data Structures I
CSCI 272: Problem Solving and Programming 2	CS 205: Algorithms and Data Structures II
CSCI 273: Assembly Language Programming	CS Elective
PHYS 101: General Physics Mechanics	PHYS 100: Physics I
PHYS 103: General Physics Electricity Magnetism & Modern Physics	PHYS 105: Physics II
ENGL 100: Intensive Reading, Writing, and Reasoning or ENGL 101: Composition and Reading	ENGL 100: English Composition I
Critical Thinking (Area 1B)	ENGL 105: English Composition II
Oral Communication (Area 1C)	HIST 100/ PHIL 100/ LITT 100/ ETHS 100/ RLGN 100

US History & American Ideal (Group A)	HIST 100/ PHIL 100/ LITT 100/ ETHS 100/ RLGN 100
IGETC GE (Area 3B)	HIST 100/ PHIL 100/ LITT 100/ ETHS 100/ RLGN 100
US History & American Ideal (Group B)	ANTH 100/ ECON 100/ GEOG 100/ POSC 100/ PSYC 100/ SOSC 100
IGETC GE (Area 5b)	ANTH 100/ ECON 100/ GEOG 100/ POSC 100/ PSYC 100/ SOSC 100
IGETC GE (Area 4)	ANTH 100/ ECON 100/ GEOG 100/ POSC 100/ PSYC 100/ SOSC 100
IGETC GE Area 3a	ARTS 100/ DANC 100/ MUSC 100/ THEA 100
Arts and Humanities (Area 3)	ARTS 100/ DANC 100/ MUSC 100/ THEA 100