## California State Polytechnic University, Pomona <br> Degree Curriculum Sheet

Plan (Major) COMPUTER SCIENCE
Subplan/Option $\qquad$

## Required Core Courses

## CS 130 - Discrete Structures (4)

CS 140 - Introduction to Computer Science (4)
CS 141 - Introduction to Programming and Problem-Solving (4)
CS 210 - Computer Logic (4)
CS 240 - Data Structures and Algorithms I (4)
CS 241 - Data Structures and Algorithms II (4)
CS 256 - C++ Programming (4)
CS 264-Computer Organization and Assembly Programming (4)
CS 301 - Numerical Methods (4)
CS 311 - Formal Languages and Automata (4)
CS 331 - Design and Analysis of Algorithms (4)
CS 365 - Computer Architecture (4)
CS 408 - Programming Languages (4)
CS 431 - Operating Systems (4) CS 463 - Undergraduate Seminar (2) CS 480 - Software Engineering (4)

## Total Units 62

## Elective Core Courses

At least 20 units from:
CS 245 - Programming Graphical User Interfaces (4)
CS 260 - Unix and Scripting (4)
CS 352 - Symbolic Programming (4)
CS 356 - Object-Oriented Design and Programming (4)
CS 370 - Parallel Processing (4)
CS 380 - Computer Networks (4)
CS 411 - Compilers and Interoreters (4)
CS 420 - Artificial Intelligence (4)
CS 435 - Database Systems (4)
CS 445 - Computer Graphics (4)
CS 450 - Computability (4)
CS 460 - Secure Communication (4)
CS 470 - Game Development (4)
CS 481 - Software Engineering Practice (4)
CS 490 - Honors (4)
CS 499/499A/499L - Special Topics for Upper Division Students (1-4/1-4/1-4)
Continue to next column
$\qquad$
Minimum Units Required $\qquad$

Name
Student ID

## General Education Requirements

## Area A Communication \& Critical Thinking (12 units)

1. Oral Communication
2. Written Communication
3. Critical Thinking

Area B Mathematics \& Natural Sciences (16 units)

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Math/Quantitative Reasoning
5. Science \& Technology Synthesis

Area C Humanities (16 units)

1. Visual and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis

## Area D Social Sciences (20 units)

1. U.S. History, Constitution, American Ideals

> a. United States History
b. Introduction to American Government
2. History, Economics and Political Science
3. Sociology, Anthropology, Ethnic \& Gender Studies
4. Social Science Synthesis

## Area E Lifelong Understanding \& Self Development (4 units)

## Total Units 68

| American Institutions | 8 |
| :--- | :--- |
| Courses that satisfy this requirement may also satisfy GE Area D1 | 8 |

## American Cultural Perspectives Requirement

Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.

[^0]
[^0]:    All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 unis for undergraduates

