Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, San Diego	From: Allan Hancock College
2022-2023 General Catalog, Quarter	2022-2023 General Catalog, Semester

CSE: Computer Science B.S.

GENERAL INFORMATION

DATED MATERIAL, SUBJECT TO CHANGE. PLEASE CONSULT CURRENT UCSD GENERAL
CATALOG FOR ANY ADDITIONAL INFORMATION.

**Effective Fall 2018, major preparation will be required for this major. For
details, visit: http://admissions.ucsd.edu/MajorPrep**

Effective Fall 2015, the B.S. and B.A. in Computer Science, the B.S. in Computer
Engineering, and the B.S. in Computer Science with a specialization in
Bioinformatics are impacted for transfer students. Visit cse.ucsd.edu for
full information.

General advice: Transfer students are advised to complete the following
courses for their major before enrolling at UC San Diego. Preparing well for
the major helps students move efficiently toward graduation.

- Calculus I-for Science and Engineering (Math. 20A)
- Calculus II-for Science and Engineering (Math. 20B)
- Calculus and Analytic Geometry (Math. 20C)
- Linear Algebra (Math. 18)
- Two courses chosen from: PHYS 2A or PHYS 4A, PHYS 2B or PHYS 4B,
  CHEM 6A or CHEM 6AH, CHEM 6B or CHEM 6BH, BILD 1, BILD 2, BILD 3
- Highest level of introductory computer programming language course
  offered at the community college. For example, CSE 3, CSE 6R, and 8A may
  be used to fulfill the lower-division elective requirement;
  CSE 8B or 11 fulfill other lower-division requirements.

Course equivalency: For course equivalencies not listed below, visit the CSE
Student Affairs Office, CSE Building (EBU3B, Room 1200) first floor, or email
CSEStudent@eng.ucsd.edu.

For information not found here, please visit the CSE Undergraduate Program at:
https://cse.ucsd.edu/undergraduate

UC San Diego Advanced Placement (AP) and International Baccalaureate (IB) credit policies
are detailed in the links below:

Advanced Placement (AP) https://www.ucsd.edu/catalog/pdf/APC-chart.pdf

International Baccalaureate (IB) https://catalog.ucsd.edu/_files/international-baccalaureate-credits-chart.pdf
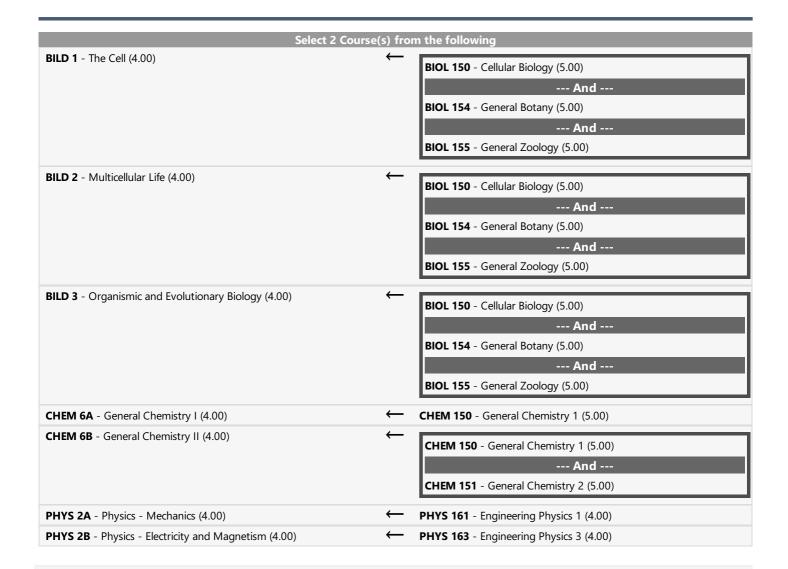

LOWER DIVISION MAJOR REQUIREMENTS

CSE 8A - Introduction to Programming and Computational Problem Solving I (4.00)	← **CS 111** - Fundamentals of Programming 1 (4.00)
--- And ---	
CSE 8B - Introduction to Programming and Computational Problem Solving II (4.00)	← **CS 112** - Fundamentals of Programming 2 (4.00)

--- Or ---

CSE 11 - Introduction to Programming and Computational Problem Solving - Accelerated Pace (4.00)	← No Course Articulated

CSE 12 - Basic Data Structures and Object-Oriented Design (4.00)	← No Course Articulated
CSE 15L - Software Tools and Techniques Laboratory (2.00)	← No Course Articulated
CSE 20 - Discrete Mathematics (4.00) Same-As: MATH 15A	← **CS 161** - Discrete Structures (3.00)

CSE 21 - Mathematics for Algorithms and Systems (4.00)	←	No Course Articulated
CSE 30 - Computer Organization and Systems Programming (4.00)	←	**CS 131** - Computer Organization (3.00)

MATH 18 - Linear Algebra (4.00)	←	**MATH 184** - Linear Algebra/Differential Equations (5.00)
MATH 20A - Calculus for Science and Engineering (4.00)	←	**MATH 181** - Calculus 1 (4.00)
MATH 20B - Calculus for Science and Engineering (4.00)	←	**MATH 182** - Calculus 2 (4.00)
MATH 20C - Calculus and Analytic Geometry for Science and Engineering (4.00)	←	**MATH 183** - Multivariable Calculus (4.00)

Select 2 Course(s) from the following

BILD 1 - The Cell (4.00)	←	**BIOL 150** - Cellular Biology (5.00) --- And --- **BIOL 154** - General Botany (5.00) --- And --- **BIOL 155** - General Zoology (5.00)
BILD 2 - Multicellular Life (4.00)	←	**BIOL 150** - Cellular Biology (5.00) --- And --- **BIOL 154** - General Botany (5.00) --- And --- **BIOL 155** - General Zoology (5.00)
BILD 3 - Organismic and Evolutionary Biology (4.00)	←	**BIOL 150** - Cellular Biology (5.00) --- And --- **BIOL 154** - General Botany (5.00) --- And --- **BIOL 155** - General Zoology (5.00)
CHEM 6A - General Chemistry I (4.00)	←	**CHEM 150** - General Chemistry 1 (5.00)
CHEM 6B - General Chemistry II (4.00)	←	**CHEM 150** - General Chemistry 1 (5.00) --- And --- **CHEM 151** - General Chemistry 2 (5.00)
PHYS 2A - Physics - Mechanics (4.00)	←	**PHYS 161** - Engineering Physics 1 (4.00)
PHYS 2B - Physics - Electricity and Magnetism (4.00)	←	**PHYS 163** - Engineering Physics 3 (4.00)

END OF AGREEMENT