

Biology and Microbiology

LOWER-DIVISION TRANSFER PATTERN California State University (CSU) Statewide Pattern

The Lower-Division Transfer Pattern (LDTP) consists of the CSU statewide pattern of coursework outlined below, plus campus-specific coursework, bringing the total pattern to at least 60 but no more than 70 transferable semester units for students to complete at a California Community College (CCC).

The CSU statewide pattern of coursework for CCC students who plan to major in Biology at any CSU campus offering the major includes:

- Completion of most lower-division general education requirements: Areas A, B, C, and D of the CSU General Education Breadth (GE-Breadth) pattern;
- Completion of the CSU graduation requirements in United States History, Constitution and American Ideals; and
- Completion of 15 additional semester units as specified in (3) below.

Please note that the information here is an academic and curricular advising tool: a roadmap that enables transfer students to efficiently and effectively progress towards the CSU baccalaureate degree in a specified discipline. California Community College students should work closely with their advisers when planning their academic program in preparation for transfer to the CSU.

This information does not represent any guarantee with regard to admission nor does it include or replace CSU campus admissions impactation criteria. These curricular guidelines are subject to change.

CSU Statewide Pattern	Semester Unit Requirement
<p>(1) Complete lower-division general education requirements.</p> <p>Obtain <i>certification of completion</i> of GE-Breadth by the California Community College before transferring to a CSU campus. <i>Whether or not Area E must be completed before transfer will be specified in the campus-specific requirement.</i></p> <p>While completing general education, follow the course pattern stated below.</p>	<p>36 units</p> <p>Minimum grades of C are required in courses used to meet GE-Breadth Areas A and B4.</p>
<p>(2) Complete the graduation requirements in United States History, Constitution and American Ideals.¹</p> <p>These are typically completed with one course each in American government and American history, or a sequence of courses that integrate the history and government topics.</p> <p>Students should ordinarily use these courses to satisfy 6 units of GE-Breadth Area D.</p>	<p>0 units</p>
<p>(3) Complete the following courses:</p> <p>CAN BIOL SEQ A CAN CHEM SEQ A Calculus, 1st Semester [CAN MATH 18] or Calculus for the Life and Social Sciences, 1st Semester [CAN MATH 30]</p> <p>One math course, one biology course and one chemistry course will be used to meet GE-Breadth Area B.</p>	<p>15 units</p>

¹ CCC courses that fulfill general education and graduation requirements in United States History, Constitution and American Ideals are listed at www.assist.org.

Total Semester Units Required for Statewide LDTP Pattern	51 Units
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