

Electrical Engineering, Electrical and Electronic Engineering

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 Electrical Engineering or Electrical and Electronic Engineering at any CSU campus offering the major includes:

- Partial completion of lower-division general education requirements, following 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 additional semester units as specified below in (3), (4) and (5).

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 impaction criteria. These curricular guidelines are subject to change.

CSU Statewide Pattern	Semester Unit Requirement
<p>(1) Complete lower-division general education requirements in the following areas:</p> <ul style="list-style-type: none"> • Oral Communication GE-Breadth Area A1 • Written Communication GE-Breadth Area A2 • Two courses in Arts and/or Humanities GE-Breadth Area C (6 units) 	<p>12 units</p> <p>Minimum grade of C is required in the Oral Communication and Written Communication courses.</p>
<p>(2) Complete the following:</p> <ul style="list-style-type: none"> • Graduation requirements in United States History, Constitution and American Ideals.¹ 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. Students should ordinarily use these courses to satisfy 6 units of GE-Breadth Area D. • An additional course to satisfy GE-Breadth Area D (3 units). 	<p>9 units</p>
<p>(3) Complete the following:</p> <ul style="list-style-type: none"> • A three-semester sequence in Calculus [CAN MATH Sequence C](11 units). One course will be used to satisfy GE-Breadth Area B4. 	<p>11 units</p> <p>Minimum grade of C is required in the course satisfying GE-Breadth Area B4.</p>
<p>(4) Complete the following:</p> <ul style="list-style-type: none"> • Physics (Calculus based—Mechanics) [CAN PHYS 8] (4 units) • Physics (Calculus based—Electricity and Magnetism) [CAN PHYS 12] (4 units). <p>At least one of these courses must include a laboratory component, in order to satisfy GE-Breadth Area B3 as well as Area B1.</p>	<p>8 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.

<p>(5) Complete the following:</p> <ul style="list-style-type: none"> • Programming Concepts and Methodology I [CAN CSCI 22] (3 units) • Circuits [CAN ENGR 12](3 units) 	6 units
Total Semester Units Required for Statewide LDTP Pattern	46 Units