Articulation Agreement by Major

Effective during the 2022-2023 Academic Yea

To: California Polytechnic University, San Luis Obispo 2022-2023 General Catalog, Quarter From: Sonoma State University 2022-2023 General Catalog, Semester

COMPUTER SCIENCE, B.S.

TRANSFER INFORMATION & ONLINE RESOURCES

WHAT COURSE CREDIT WILL TRANSFER FOR THIS MAJOR?

This view is By Major and shows lower division courses within BS Computer Science for the academic year (Fall to Summer) 2022-2023 – these are listed to the left, with articulated courses from the sending institution listed to the right. Where combinations of courses exist, some duplication may occur.

Courses are listed under three sections: **Major Courses, Support Courses** and **Other Courses**. All students in the major will take **Major and Support Courses**. Courses that are either in Concentrations, Areas of Emphasis or an Elective for the major are grouped in the **Other Courses** section. As a result, this section will vary in capacity and not all courses listed may be relevant to the course of study being pursued. Resources are provided below to confirm the exact lower division courses required.

Upper Division, General Education (GE) and free elective coursework are not listed here.

Both GE and course credit are awarded when an incoming articulated course is approved for GE. Where articulation is established but the transfer course is not approved for GE, only course credit is awarded.

As noted at the top of this agreement, Cal Poly SLO is on the Quarter system – all Cal Poly course units will reflect this.

WHAT COURSES NEED TO BE TAKEN TO BE A COMPETITIVE TRANSFER APPLICANT?

Not all the articulated courses listed below are required to be a competitive transfer applicant for this major.

It is ESSENTIAL that transfer applicants first review the Admissions webpages concerning Selection Criteria for Transfer Students and Major Specific Transfer Criteria.

Selection Criteria for Transfer Students can be found here:

https://www.calpoly.edu/admissions/transfer-student/selection-criteria

Major Specific Transfer Criteria is linked from the Selection Criteria page, and indicates both required and recommended coursework. Applicants should take note of these courses, and refer to their potential articulation in ASSIST through either Articulation Agreements by Major, by Department or by Prefix. Credit is extended based on the academic year in which the transfer course was taken.

RESOURCES TO USE WITH ASSIST

ASSIST only provides certain information; use the resources below for a more complete overview of this major.

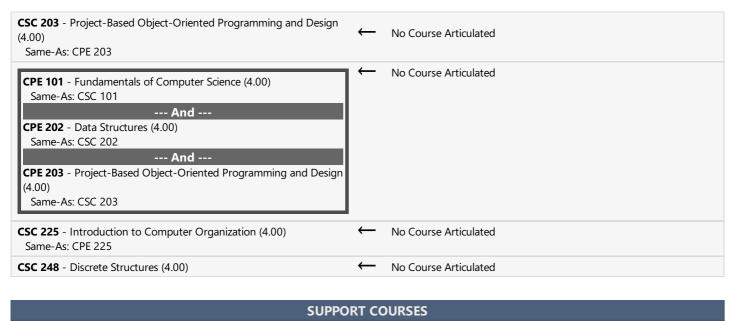
2022-2026 Catalog information on BS Computer Science can be found here: http://catalog.calpoly.edu/

The Curriculum Sheet for BS Computer Science can be found here: http://flowcharts.calpoly.edu

This is not a static document; new articulation may be added at any time. The information provided herein is subject to change without notice and does not constitute a contract or the terms and conditions of a contract between the student and the institution or the California State University.

NOTE CONCERNING "OTHER COURSES" SECTION FOR THIS MAJOR

- This major has five concentrations: Artificial Intelligence & Machine Learning, Data Engineering, Game Development, Graphics, and Privacy &
 Security. A sixth option of General Curriculum is also available. Lower division courses which may be in one or more of these concentrations are
 listed.
- This major has no areas of emphasis.



MATH 141 - Calculus I (4.00) Same-As: HNRS 141 MATH 142 - Calculus II (4.00) Same-As: HNRS 142 MATH 211 - Differential & Integral Calc II (4.00) Same-As: HNRS 142

MATH 141 - Calculus I (4.00)

Same-As: HNRS 141

--- And --
MATH 142 - Calculus II (4.00)

Same-As: HNRS 142

MATH 211 - Differential & Integral Calc II (4.00)

MATH 211 - Differential & Integral Calc II (4.00)

MATH 143 - Calculus III (4.00) ← MATH 211 - Differential & Integral Calc II (4.00) Same-As: HNRS 143

MATH 206 - Linear Algebra I (4.00)

--- Or --
MATH 244 - Linear Analysis I (4.00)

MATH 241 - Linear Algebra with Applications in Differential Equations (4.00)

PHIL 230 - Philosophical Classics: Knowledge & Reality (4.00) ← No Course Articulated

Same-As: HNRS 230

PHIL 231 - Philosophical Classics: Ethics and Political Philosophy (4.00)

Or --
No Course Articulated

Same-As: HNRS 231

Select 4 Unit(s) from the following

BIO 213 - Life Science for Engineers (2.00)
--- And --BMED 213 - Bioengineering Fundamentals (2.00)
Same-As: BRAE 213

BIO 111 - General Biology (4.00)

BIO 161 - Introduction to Cell and Molecular Biology (4.00)

BOT 121 - General Botany (4.00)

MCRO 221 - Microbiology (4.00)

Which is a proper of the science for Engineers (2.00)
--- And --BIOL 110 - Biological Inquiry (3.00)

BIOL 123 - Molecular and Cell Biology (4.00)

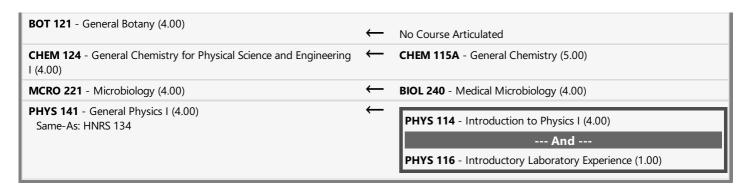
No Course Articulated

WCRO 221 - Microbiology (4.00)

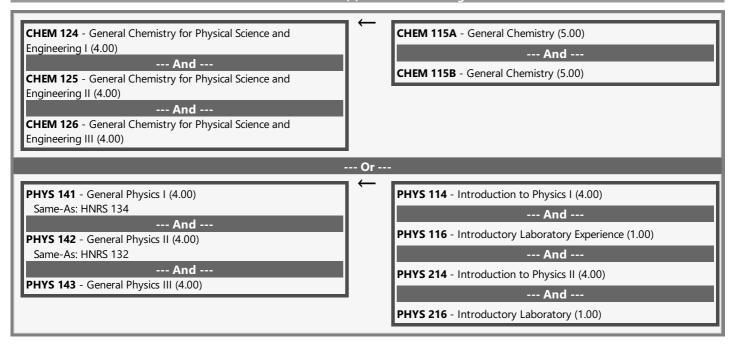
WERD 240 - Medical Microbiology (4.00)

Select 4 Unit(s) from the following

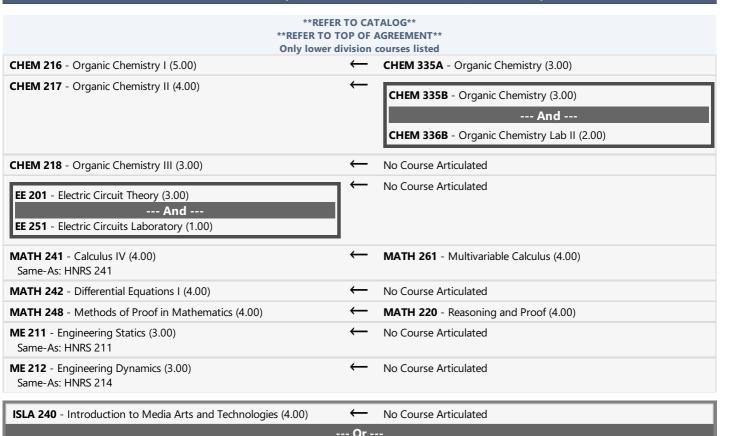
BIO 111 - General Biology (4.00)	← BIOL 110 - Biological Inquiry (3.00)
BIO 161 - Introduction to Cell and Molecular Biology (4.00)	← BIOL 123 - Molecular and Cell Biology (4.00)



Select 12 Unit(s) from the following



OTHER COURSES (CONCENTRATION/EMPHASIS/ELECTIVES)



ART 182 - Foundation in Digital Art I (4.00)

No Course Articulated

END OF AGREEMENT