

Suggested Courses for Transfer Students Coming into BioResource and Agricultural Engineering (BRAE)

12-16 units advised

Catalog Year: 2022-2023

I. Major Courses:

- **BRAE 128:** Careers in BioResource and Agricultural Engineering – (2 units)
(Not required for TR students - student must request a sub form from Tina or Peter.)
- **BRAE 216:** (Fundamentals of Electricity)– (4 Units) (**Required** in Fall)
- **BRAE 236:** (Principles of Irrigation)– (4 Units) (**Required** in Fall)
- **BRAE 129:** Laboratory Skills and Safety – (1 unit)
- **BRAE 150:** Design Graphics & CAD for Ag. Eng. (2 units)
- **BRAE 239:** Engineering Surveying – (4 units) (Suggest in Winter or Spring)

II. Support Courses:

If you haven't completed your math and physics, continue with the following sequence:

- **MATH** 141, 142, 143, 241, 244
- **PHYS** 141, 132, 133

III. General Education (GE) Courses:

Refer to 2022-23 Cal Poly Catalog and Degree Planner to see full listing of GE requirements & offerings.

Suggested Courses:

- Area A3: ENGL 147 (4 units)
- Area C: Upper Division C Elective – (Select an Upper Division C Elective that also satisfies the GWR and USCP requirement to triple-count this class)

IV. Additional Notes:

- The Graduation Writing Requirement (GWR) must be fulfilled by enrolling in a GWR-certified, upper-division course OR by completing a GWR Portfolio. For more info on the GWR, visit <https://writingandlearning.calpoly.edu/GWR>

[Fulfill the Graduation Writing Requirement - Writing and Learning Initiatives - Cal Poly, San Luis Obispo](#)

The Graduation Writing Requirement (GWR) is a CSU-mandated program designed to ensure that students can write proficiently before they enter the professional workforce. All Cal Poly students who are seeking a degree, including those seeking master's degrees and teaching credentials, must fulfill the GWR before a diploma can be awarded.
writingandlearning.calpoly.edu

- To find out which classes can satisfy the GWR, select "Expand Filters" in the upper right-hand corner of the Schedule Builder screen and search by GWR.
- Students must satisfy the United States Cultural Pluralism (USCP) requirement – classes also can be found in Schedule Builder.
- BRAE is a rigorous major. It is advisable to take lower division GE and some major/support classes in the summer here at Cal Poly, online, or at Community Colleges to expedite your graduation date and free up your traditional quarters. Use assist.org and cvc.edu or see an advisor and/or Office of the Registrar to make sure you are taking a class that will satisfy a required course before enrolling in summer courses anywhere.