

BA: Liberal Arts & Engineering Studies

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Engineering Concentrations

Students must select one Engineering Concentration:

- Computer Graphics
- Electrical Engineering (Power)
- System Design

Liberal Arts Concentrations

Students must select one Liberal Arts Concentration:

- Culture, Society and Technology
- Interactive Communication-Cinema
- Interactive Communication-Theatre
- Technical Communication
- Publishing Technology

Individualized Course of Study

As an alternative to the above pre-defined concentrations, students may choose to follow an individualized course of study, constructed in consultation with LAES advisors.

Potential Careers

A LAES degree can lead to the following careers:

- Audio Engineering
- Digital Media Production and Management
- Digital Publishing
- Environmental Technology Education
- Film and Television Production
- Government Policy Making/Analysis
- International Technology Management
- Science Education, such as science instrumentation and systems procurement
- Sustainable Community Development
- Technical Communications
- Technology Services and Management

The BA degree program in Liberal Arts and Engineering Studies is jointly offered by the colleges of Liberal Arts and Engineering. This program prepares students for a wide range of innovative careers in emerging professional fields that combine skills and interests in engineering, the arts, technology, and culture, and also prepares them for further study in graduate school. This program is open to all students at Cal Poly.

The curriculum allows Liberal Arts and Engineering Studies students, in collaboration with students from all other Cal Poly majors, to participate in development teams working on national and international technology and culture projects. To further prepare students for work with diverse teams that include participants from across the globe, the program requires students to spend three to six months studying and/or working abroad.

Graduates of the Liberal Arts and Engineering Studies program receive a solid foundation in engineering and scientific principles as well as a cultural appreciation that supports them in careers requiring significant levels of technical and cultural fluency. To support these goals, the primary learning objectives are to:

- Have a working knowledge of the essential philosophical, ethical, aesthetic and expressive aspects of our culture and their historical development.
- Communicate effectively through a variety of media in diverse, multicultural contexts.
- Understand a technical system, component or process.
- Function effectively as a member of an interdisciplinary and international team.
- Identify technical problems and use a multidisciplinary perspective to help formulate effective solutions.
- Possess solid understanding of the ethical and professional responsibilities associated with the creation, use and integration of new and existing technology.
- Understand the social, political and historical impact of technical solutions on complex modern problems.
- Be able to continue asking questions and seeking interdisciplinary solutions to technological dilemmas.
- Understand their responsibilities as informed citizens in a technological society and therefore remain engaged in helping that society improve.

For additional information, call the LAES program office at (805) 756-1132 or view the website at laes.calpoly.edu