

# CAL POLY

## **Aerospace Engineering Department Industrial Advisory Board By-Laws**

It is the intent of the College of Engineering to form a Board to advise the Aerospace Engineering Department in the following strategic areas:

- Encourage, develop, and improve active and ongoing relationships between the Department and the aerospace industry, alumni, and friends.
- Evaluate, recommend, and foster instructional and related programs to meet the current and anticipated demands of industry and of our accrediting agency.
- Participate in the definition of the Department's vision, mission, and educational objectives:

### ***Vision:***

*"The Aerospace Engineering Department aspires to be a nationally and internationally recognized premier undergraduate aerospace engineering program, enriched by a strong professional master's degree program."*

### ***Mission:***

*"The mission of the Aerospace Engineering Department is to educate students for professional aerospace careers of technical responsibility and leadership in a modern, multidisciplinary, system-based environment. This will be achieved through a lab-based, hands-on approach, integrated with a systems view of engineering and team-based capstone design experience."*

### ***Educational Objectives:***

*"The undergraduate educational objectives of the Aerospace Engineering Department is to use our traditional "learn-by-doing, lab-based, hands-on" approach to educate well rounded engineers for positions of technical responsibility and leadership in a modern multi-disciplinary, systems-oriented environment and for life-long learning. Through course work, senior projects, labs, and capstone team design experience, the systems view of engineering is integrated throughout our program to achieve high-quality education in both aeronautical and astronautical engineering. Our graduates are expected to achieve expertise in aerodynamics, aerothermodynamics, controls, structures, propulsion, and their integration into design."*

**Goals and Tasks:**

- Advise in keeping the Aerospace Engineering Department's curriculum up-to-date on current and anticipated future needs of industry.
- Create an opportunity for the department's faculty and students to exchange ideas with people in the industry.
- Actively advise the Aero Department in seeking public and private support.
- Recommend Department proposal content to receive formal educational support from industry.

**Membership:**

Membership on the Advisory Board is by invitation of the President of the University.

Nominations may be made to the Department Chairman, who will recommend nominees to the College Dean and the President.

The Board will consist of leaders in the Aerospace Industry and Government, influential alumni, and non-alumni who have a special interest in the Cal Poly Aeronautical Engineering Department. Membership is nominally for a three-year, renewable term with commitment to attend, in person or by proxy, two one-day meetings per year.

**Participation:**

The Board will meet twice annually. The meeting in the fall is strategic in nature, while the meeting in the spring is student centered. The Department Chair ~~will~~ may call on members from time to time for additional advice. The Board does not determine academic policy, however, drawing on the knowledge and experience of the membership advises the Department Chair and faculty on matters in which they seek counsel.

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