



AEC Academic Outreach: Shaping the Future

Our Mission: The Mission of AEC's Academic Outreach is to:

- Provide students the basic knowledge about aluminum extrusion that will support their professional development
- Create extrusion-savvy graduates who can become future consumers, designers and employees

Our Initiatives:

On-Site Lectures and Workshops

Whether you are an academic institution or an on-going business, aluminum extrusion professionals from AEC member companies are available to visit your campus or location to provide lectures and workshops on extrusion properties, processes, applications and designs. Topics can include material properties, alloy selection, the extrusion process, extrusion profile design combining profile geometry and alloy choice for structural applications, and a variety of case examples from different end applications. The discussion can be tailored for the time available and desired focus. Presenters will bring samples to bring the discussion to life.

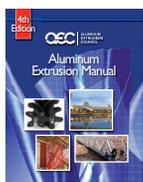
Design Competition

The AEC offers a design competition for both students (yearly) and professionals (periodically). This is an excellent opportunity to put newly learned theory into practice while at the same time vying for an opportunity to win a monetary prize. Visit ETFdesign.org for details.

Internships

Many of our AEC member companies have active programs offering either summer or school-year internships. The primary objective is to provide real-world education about the extrusion process, extrusion properties and applications while at the same time provide students with much-needed financial support for their education. Internships often lead to permanent job opportunities upon graduation.

Webinar and Design Manual Library



Over the past several years, AEC has developed and presented a number of webinars addressing the effective use of extrusions in a variety of end markets. These presentations summarize key material properties, outline profile design considerations and practices, and show how extrusions and extrusion based components have solved problems in the building, automotive, solar energy and other markets. The webinars are available for review on the Council's website at AEC.org. The Council also has an extensive Aluminum Extrusion Manual available for free download. Currently in its 4th edition, the Manual provides technical details on alloys, tolerances, design and more. Get your copy at AECmanual.org.

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