

Aircraft Electric Propulsion

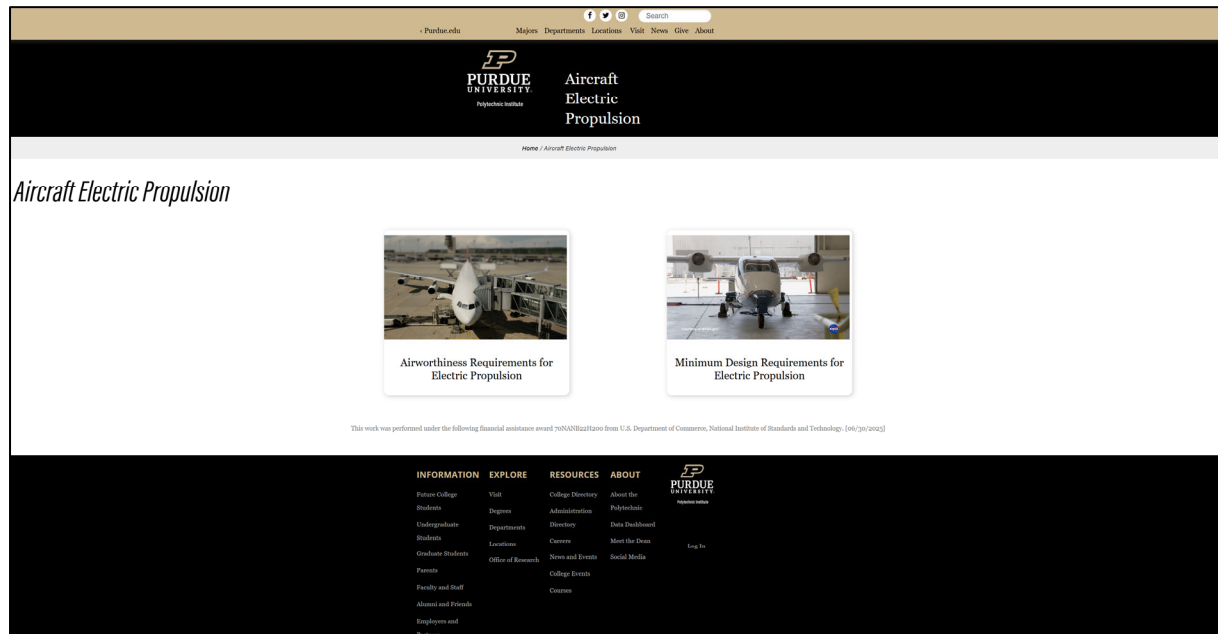
Purdue University School of Aviation and Transportation Technology researchers developed materials to assist instructors in exposing their students to aircraft electric propulsion through a dedicated public website. The purpose of the website is to enhance aerospace education by increasing student knowledge of the relationship between electric propulsion technologies and the applicable standards related to design and airworthiness. Recognizing that aerospace curricula often lack emphasis on consensus-based standards, the project was designed to directly address this gap through the development of two structured lesson modules.



Airworthiness Requirements for Electric Propulsion

Minimum Design Requirements for Electric Propulsion

Each module was carefully designed to highlight the relationships between standards and real-world engineering applications. The modules were structured to serve as instructional supplements, intended to be embedded into existing courses rather than function as standalone content. To support this integration, the materials included detailed lesson plans, scripted instructional content, visual media, and assessment tools.



[Aircraft Electric Propulsion - Purdue Polytechnic Institute](https://www.purdue.edu/aviation/teaching/aep/)

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