

Hyperloop Pod Competition (Multidisciplinary Project)

This project is available for interested EE, CE, and ME students. This project is intended as a multi-disciplinary project. Students must also enroll in ENGR 195 for 1 additional unit of credit each quarter.



Let's begin with the hype: This is some Wright Brothers stuff right here. This project explores a totally new, revolutionary method of transportation that will parallel efforts taken by Wilbur and Orville. The full model will travel 720mph and get people from LA to San Francisco in 35 minutes, while expending much less petroleum based energy! This competition will include many other schools and WILL be covered in national and likely international news. Time to be in the paper folks!

Here's the cost to you: 2X the work and time. This project includes additional tasks, such as travel to Hawthorne, CA for pod testing in October and competition in January. You'll have to hit the ground running when you get to campus.

Since first unveiled, the idea for a new high-speed ground transport system called the [Hyperloop](#) by Elon Musk, there has been a tremendous amount of interest in the concept. A handful of private companies have chosen to pursue this effort.

Neither SpaceX nor Elon Musk is affiliated with any Hyperloop companies. While SpaceX is not developing a commercial Hyperloop, they are interested in helping to accelerate development of a functional Hyperloop prototype.

For this reason, SpaceX announced an open competition, geared towards university students and independent engineering teams, to design and build the best Hyperloop pod. To support this competition, SpaceX is constructing a one-mile test track adjacent to the Hawthorne, California headquarters. Teams will be able to test their half-scale pods during a competition weekend at the track, currently targeted for Jan 2017. The knowledge gained here will continue to be open-sourced.