**BACKGROUND**
- First liquid propellant rocket at UC Irvine
- Preparing engineers for aerospace industry

**GOALS**
- Conduct successful static test fire
- Win the Base 11 Space Challenge by being the first university to launch a liquid fueled rocket to the Karman Line

**OBJECTIVES**
- Engine Design Thrust: 1300 lbs
- Test Stand with Data Collection System and Safety Features
- Base 11 Rocket Altitude: 100 km
- Dynamic Flight Control System
- Single Stage Liquid Engine Design
- Lightweight Rocket Structure

**TEAM STRUCTURE**

**PROGRESS**
- Completed test stand, plumbing system, and assembly procedures
- Developing plumbing leak test, system flow test, and cryogenic compatibility test procedures
- Manufacturing engine assembly and retrofitted engine mount
- Integrating sensors and actuators into central LabView VI

**STATIC TEST FIRE BUDGET**

- Tests: 21.4%
- Structures: 32.1%
- Propulsion: 37.9%
- Avionics: 8.6%
- TOTAL: $14,000