AAE 490 / VIP - TracSat DBT

What is TracSat DBT?

- A year-long Design, Build, Test (DBT) course for undergraduate students to gain hands-on experience building CubeSats.
- CubeSat mission: Orbital demonstration of ASCENT-propelled pulsed magnetoplasmadynamic thruster.
- Project is funded by AFRL / Space Dynamics Lab.
- Hands-on experience with all aspects of satellite design including hardware and software development, PCB design, wireless communications, environmental simulation, structural analysis, and hardware manufacturing.
- AFRL expert feedback throughout the design process.
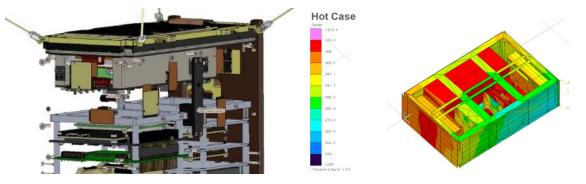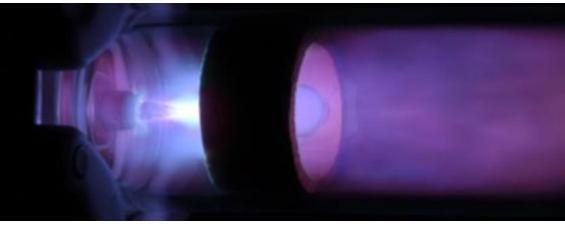
Who Should Apply?

We are looking for motivated engineering students with an interest in nanosatellite technology. Some experience with electronics or aerospace design projects is preferred. This is a year-long course.

Instructing team: Prof. Alex Shashurin (Instructor); Nick Babusis (TA)
Interested? Submit your resume/questions about the project to Nick Babusis, nbabusis@purdue.edu