Pre-Engineering, APE

APE Pre-Engineering Program Learning Outcomes

At the successful conclusion of this program, students will be able to:

1. Analyze engineering problems by applying principles of engineering, science, and mathematics.
2. Design solutions that use the engineering design process to meet specified customer needs.
3. Perform experiments on physical systems or processes, analyze experimental data, and make informed conclusions from the data.
4. Communicate effectively with others both orally and in writing to establish goals, plan tasks, meet deadlines, and articulate results.
5. Model, evaluate and prototype physical systems, components or processes.