

“What do I learn?”

Use the Machine Shop Safely and Effectively

- Receive **Safety Training Badge** for all machine tools
- Make parts using Lathe, Mill, Drill Press, Band Saw, and Sheet-Metal Tools
- Use machining tolerances to deliver parts within drawing specifications

Use Computer Aided Design (CAD) Tools

- Use **SolidWorks** to create 3D CAD models and shop drawings
- Use the integrated Finite Element Analysis tools to analyze loads

Create Working Assemblies

- **Quarter-long Project** integrating CAD and Manufacturing to design and fabricate a working part to achieve a specific design prompt utilizing given material and design requirements

“That sounds like a lot!”

It is. This is a major commitment. Take it seriously, space is limited.

- **Registration Deposit:** \$50 to join the class, refunded when you complete the project
- **Design/CAD Class:** 7pm Monday or 7:30pm Wednesday, ~1hr/week
- **Shop Safety and Machine Training:** Hours TBD, ~2 hrs/week
- **Independent Machining and CAD:** 4+ hrs/week

We will support you!

- Lots of helpers, camaraderie, and fun. We want you to succeed!

“I’ll do it!”

Bring this application plus \$50 registration deposit by **FRIDAY October 10th**

First Class Monday, October 13 in Engineering 4, room 38-138 at 7pm

Name: _____

Email: _____ Phone: _____

Club Interest (circle): Baja Formula Super Mileage

Previous CAD experience: Zero Novice Intermediate Hot-Shot **Payment**

Previous Machining experience: Zero Novice Intermediate Hot-shot Check Cash