

My Major Plan

Engineering:

With an Emphasis in Mechanical Engineering

BY CHOOSING TO MAJOR IN MECHANICAL ENGINEERING YOU WILL RECEIVE:

- Priority registration within related classes
- A specialized skill set upon completion
- Working on projects with other classes
- Career/ college based experiences

- Graduation stole
- Recognition on diploma
- Certificate upon completion

Step 1

Start Registration: Go to your google classroom and add your Major by entering this class code: **0af6i9c**
Next complete all of the steps in google classroom throughout your remaining years of high school.

Step 2

Maintain Positive Citizenship: D.E.M.A students are leaders and collaborators. They strive for success, have a positive attitude, and are not afraid to imagine. They reflect and learn from their experiences and are sources of knowledge for others. They maintain a clean academic record and demonstrate positive examples of behavior at all times. You must maintain this high level of citizenship in order to be part of this program.

Step 3

You must complete A-G graduation requirements and complete all 4 year-long **courses** with a B or higher.

- Intro to Engineering or Auto 1 Grade S1 _____ S2 _____
- Advanced Engineering Grade S1 _____ S2 _____
- Automotive 2 Class Grade S1 _____ S2 _____
- Automotive 3&4 Classes Grade S1 _____ S2 _____

Step 4

Complete all year-long **courses** in the following: it is highly recommended that students planning on attending a 4 year college take calculus. all classes must have a "B" or higher

- Art 1 Grade S1 _____ S2 _____
- Math Analyzes Grade S1 _____ S2 _____
- Physics Grade S1 _____ S2 _____

Step 5

Out of classroom **experiences**

- Create an Electronic portfolio (Engineering Notebook)
- Time to help others! Choose any engineering related topic and create a how to tutorial.
- Visit an art museum.
- Participate in at least (1) Art Engineering Show

Step 6

In classroom **experiences**

- Formula One auto CAD project
- S.A.E. Baja challenge
- M and G codes
- Machine Technology
 - Computer Numerical Control
 - Master CAM
 - Mills and Lathes
 - Welding MiG, and TIG
 - Fabrication tooling experience
- Dynamic simulation though Auto CAD
- Prototyping
- Fabrication

Step 7

Verification: After completing all of the steps and before April 1st of your senior year, submit your work for review. Go to your D.E.M.A google class, click on the assignment titled "Submit Your Work," click on the link provided, and submit the form.