

Post Secondary Planning

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Home School: Clovis North Educational Center

Current Grade Level: 11

Instructions: Even if you are unsure what career you will pursue in the future, select one to create a "Career Plan" on a career you may pursue in the future. Conduct research online. Write in *complete sentences*.

1. What is your desired career topic?

My desired career topic is to be somewhere in the engineering field, whether that be in aerospace engineering or even mechanical engineering.

2. Provide a brief overview of the job description:

An aerospace engineer may develop a variety of items for aviation, spacecrafts, satellites, and missiles.

3. Personal Qualifications/Qualities (things you need to know and things you need to know how to do)

Personal qualities and qualifications that someone must have to be a good aerospace engineer is to have some business skills, analytical skills, and high levels of critical thinking, math, and problem solving skills.

4. What are the education requirements/work experience needed (Major, AA, BA, BS, Masters, Doctorate, Certifications(s))

The education, training, and work experience needed for an aerospace engineering job are to typically have a bachelor's degree in an engineering field, other classes that would aid in the understanding and even getting a job in the engineering field are chemistry, physics, higher levels of math, and computer science. For the certifications people can a PE, Professional Engineering, license and even other certifications like engineers in training (EITs) after passing the Fundamentals of Engineering (FE) exam,

5. What exams must be passed in order to work in this field? (if applicable)

Exams that must be passed in order to work in the engineering field are the entry level exams at colleges and universities or even an exam that your employer might provide if you don't have full certification but you're still able to work in the field; another exam that is taken is also the Fundamentals of Engineering (FE) exam usually taken after a bachelor's degree is earned.

6. What type of license must a person hold to work in this field (if applicable)

The type of license someone must hold to work in this field is an EIT, or engineer in training, in order to get a stable job and staple yourself within your employer's company.

7. Describe the typical work environment for this occupation?

The typical work environment for an engineering position is having many people work with you, meaning that you will probably work with a team, always running tests, designing models, and even always having to adapt to new designs that are always evolving.

8. What is the median salary for this profession? Include your source.

The median salary for an aerospace engineer is \$118,610, according to the [U.S. Bureau of Labor Statistics](#).

9. What is the job outlook for this profession? (include your source)

The job outlook for an aerospace engineer is that the occupation is projected to grow 8% by 2030, which is as fast as almost all other occupations, with about 4,000 openings a year, primarily due to other engineers retiring or transferring to other occupations.

10. What are your potential likes and dislikes about the career?

The potential dislikes about the career are that the career could eventually feel inflated, long working hours, engineers don't get the large amount of the credit as opposed to the company they work for, and that people may think highly of you but also think they can do your job; the potential likes of the job is that you are able to design and create your own things, problem solving, familial feeling towards coworkers as they have respect for you and you them, also the paycheck.

Post-Secondary Plan

ROP Experience (Type N/A if not applicable)

CART 1st Year Lab:

[Web Application Development](#)

CART 2nd Year Lab:

N/A

Other CTE classes you have completed:

[Computer Aided Design, Computer Science Principles, Robotics I, Robotics II](#)

Two-Year Plan

Where do you see yourself in two years? (What will you be doing? Where will you be living?)

In two years I hope to see myself being able to have a relatively good job while attending community college (because it's, well..., cheaper). One of the things that I hope to be able to do is to be able to have free time for myself and not have to worry about all other things that I have on my plate.

Five-Year Plan

1. Where do you see yourself in five years? (What will you be doing? Where will you be living?)

In five years I hope to have a good job hopefully working in one of two places, Maverick Aerospace LLC and somewhere in Palmdale, the reason for Maverick is because many of my uncles work there already, and since it's in LA, I can live in my favorite place and make a good salary there also since I'll be more than qualified with the amount of classes I would have taken. The reason for Palmdale is because not only is it the place I grew up in, but also the amount of jobs that are available to engineers as it is considered the 'aerospace capital of America' as it

contains some of the nation's biggest aerospace companies. For my education I hope to attend one of a few colleges like UCSD, because I'd be able to go to Mexico every weekend for my freetime if I'd want to, UCLA, UCSB, UCI, UCB, UCD, or even Cal Poly Slo.

2. List 5 steps you will take to take to reach your five-year plan:

- a. Take my time in certain things like classes and not overload myself with work to have it take all of my time
- b. Create a schedule to balance social, school, and work life
- c. Test out of courses that I know most of the information that they're teaching
- d. Find time to exercise to keep my sanity in control and keep my head forward
- e. Not get too invested into school or work to not sacrifice my relationships with people

Instructions: Now it is time to create a plan for your first year after high school. You are in control of your future! Write in *complete sentences*,

Year 1: Post High School
List two goals for the summer after high school: 1. A goal for the summer after high school would be to travel a little bit, maybe go to NC to see my brother and what they have over there. 2. A goal for the summer after high school would be to finish my car, wrap the car, get custom tail and headlights, and maybe even get my own car that I fully paid for.
List two goals for the fall after high school: 1. A goal for the fall after high school would be to be fully enrolled in community college and take the classes that I'll need for my field along with joining clubs to make even more connections. 2. A goal for the fall after high school would be to have a stable hustle in order to make more money than I do now in order to save up for my college, so then I don't have a mountain of student debt.
What course will you be taking in the fall/training you will be receiving. (If unsure, list desired courses/training to take) The courses that I'll be taking in the fall for my career would be engineering courses, computer science courses, and math courses, along with clubs in order to push myself to higher heights and have a better shot at making it to the colleges that I'd want to go to.
How will you be earning an income? How will you be paying for college? In terms of earning an income, one of the first things would be to hustle for extra money by doing jobs like doordash, ubereats, and maybe even do other jobs like work for Central Valley Staffing, who I already have connection in, so I could possibly work there for a little bit and keep my level of spending money relatively good in order to feel comfortable but also not have to worry too much on student loans.
List two goals you would like to achieve by the end of your first year after high school? 1. A goal I would like to achieve by the end of my first year after high school would be to have stable income to where I'd just be doing jobs like Doordash for extra income. 2. A goal I would like to achieve by the end of my first year after high school would be to have completed a good amount of my courses required for my field in order to get my school resume to look good and highly considerable.