

Career Connectors: Project Engineer

Henry
Lewis

My interest in planes led to my enlistment in the Air Force. My five years active duty in the military working with aircraft directed me to pursue a career with Arconic. I have four degrees: two Associate's degrees through the Air Force, a Bachelor's degree in Mechanical Engineering, and a Master's in Engineering Management.

How I use the "4 Cs" in my job:

Communication – plays a key role in effectively communicating ideas and information both to production supervisors, operators on the floor, and management.

Collaboration – as a project engineer, I collaborate with other engineers on different projects. Collaboration has a sense of bringing people together, allowing people to brainstorm, tackle problems, and reach a solution as a team, versus sitting in a cubicle and trying to figure it out on your own.

Critical Thinking – I use critical thinking on a day-to-day basis when I have to evaluate a lot of information and put it together similar to what would be a puzzle, and the outcome of that would be a judgment or a determination either to proceed with something, or look at a different avenue.

Creativity – to me, creativity is defined as innovation, thinking outside of the box. One of the things I can do as a creative thinker is to bring in new ideas, new technologies to improve a process and make us more efficient for the future.

"One of the things I would find exciting as a student is the forging process of the aircraft frame. It's a big chunk of ingot, or aluminum, that gets heated to a very high temperature, then inserted into our large forging press, and out comes a forged piece of aluminum."



Manufacture Your FUTURE Henry Lewis
PROJECT ENGINEER

My advice for students is: "First, be organized. A well-organized engineer is usually the more efficient engineer. Study hard and don't give up. There are subjects that may seem daunting and a little bit defeating at times, but if you stick with it, you'll do great."

What does a Project Engineer do?

- ◇ Engineers, designs, and executes projects
- ◇ Manages several maintenance or capital projects within a manufacturing facility at the same time
- ◇ Helps improve the plant's efficiency or productivity

Useful classes to take:

- ◇ Science
- ◇ Engineering
- ◇ Technology
- ◇ Math

What skills are required for this position?

- ◇ High technical aptitude
- ◇ Effective communication skills
- ◇ Good organizational skills

Potential Salary Range:

\$57,000 – 99,000 according to [Glass Door](#)

For more information, please visit: www.manufactureyourfuture.com