



## General Atomics Summer 2020 Teacher Externship

*Purpose: Provide an experience whereby teachers get firsthand experience of the knowledge, skills, and abilities to be successful in a highly diverse, technically challenging environment. As changing work force demographics drives the hiring of recent graduates in greater numbers it is imperative that existing educational pathways adequately prepare them for the demands of the workforce. The goal of this externship experience is to provide that knowledge, in a real world setting, allowing CTE providers to best define success criteria using the information gathered.*

### Summer Externship Schedule: July 6 to 17, 2020

#### *Week 1: July 6 - 9 (4 day week):*

- First Day Orientation for all externs
  - o Familiarization with GA: Who we are, our community involvement
  - o Safety Class
  - o Shop Familiarization (students divided up by the site they will be working at)
- 4 externs start composite class at GB
- 4 externs start engine build at EIMo or Adelanto (TBD)
- 4 externs start Avionics Workshop

#### *Week 2: July 13 - 17 (5 Day Week)*

- 4 externs finish composite class at GB
- 4 externs follow built engine to EIMo for testing
- 4 externs finish Avionics Workshop
- Last Day
  - o Resume Workshop: What we look for in potential employees, key skills we look for and how to develop a student's resume towards those skills
  - o Wrap-up luncheon with leadership, externs and instructors affiliated with the program at GB

#### *3 areas of focus available:*

1. Avionics: The Avionics department supports the electronics systems associated with aircraft and ground control stations. As an extern, you will participate in a practical job experience program, working alongside a Field Avionics technician, as they perform test, troubleshooting, repair and maintenance of Air Vehicles, Ground Control Stations, Ground Data Terminals and Ground Support Equipment. In this role, you will be working under close supervision and in a team environment to meet the daily priorities of the Flight Operations Facility.
2. Composite Repairs: As an extern, you will learn about and participate in the composite manufacturing and repair process, which is integral to the successful operation of the aircrafts. Composite work has applications in many career fields.

3. **Engine Manufacturing:** As an extern, you will work alongside a team of individuals to bring an aircraft engine from the ground up, including manufacturing, testing, and flight preparation. This segment of our work has a significant presence in the HD.

Requirements:

1. Complete the application at [www.mdcareerpathways.com/educators](http://www.mdcareerpathways.com/educators)
2. Availability to attend all dates of the externship (case-by-case exceptions for half- or single-day situations)
3. Physical ability to work on your feet for up to 8 hours with breaks.
4. Ability and willingness to maintain strict confidentiality for any and all technical and business information disclosed during the externship.

For questions, contact the MDCP office.

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