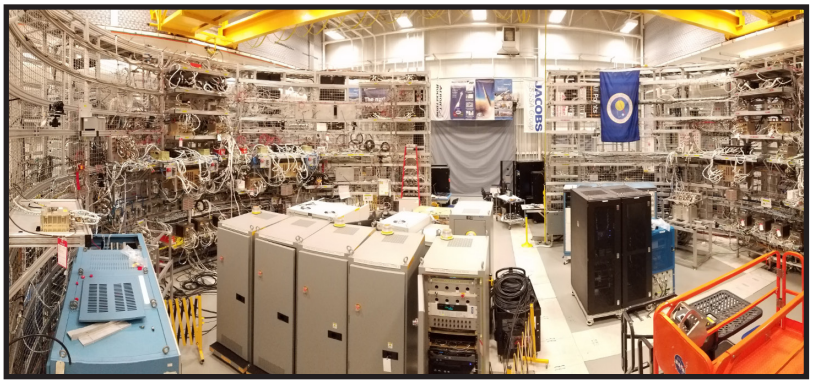
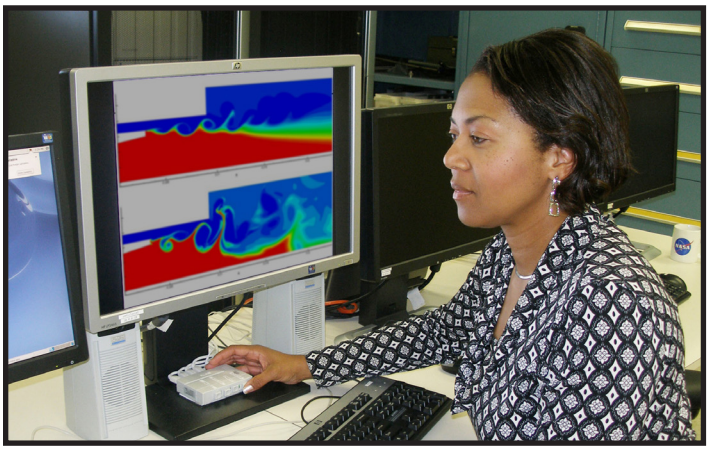
Amentum at NASA Marshall Space Flight Center

Amentum provides engineering, scientific and technical services to NASA Marshall Space Flight Center (MSFC) in Huntsville, Alabama, on the Engineering Services and Science Capability Augmentation contract. A Prime Contractor at MSFC since 1989, Amentum supports marquee NASA programs, including the Space Launch System, International Space Station, space optics fabrication, earth and space sciences and advanced propulsion system development. Amentum also operates and maintains NASA's Materials Mechanical Test Facility, supporting a wide range of material development, materials science and testing; and manages the Gamma-ray Burst Monitor Observation facility.





▲ *Amentum provides support to key NASA programs, including avionics, additive manufacturing & fluids modeling.*

Space Transportation Systems Development
- advanced launch systems
- upper stages
- cryogenic engines
- storable propellant engines
- solid rocket motors
- launch abort systems

Exploration Systems Support
- requirements definition & verification
- resource planning & management
- integration of risk analysis

Space Science & Applications
- materials science
- micro fluidics
- lunar habitat research
- lunar surface power generation technology

Research, Technology & Advanced Development
- environmental closed-loop life support system
- solar thermal propulsion & other space propulsion systems
- advanced materials research, manufacturing & testing

Research & Test Facilities
- X-Ray & Cryogenic Facility
- optics & sensor simulation laboratories
- propulsion component & systems test facilities
- pressurization systems verification & certifications
- Materials Mechanical Test Facility
- Hydrogen Test Facility

Scientific Research & Payload Development
- space optics manufacturing
- space environments & effects

Spacecraft Systems Development
- International Space Station
- space observatories/telescopes
- lunar launch vehicles & propulsion systems

Payload Integration & Operations
- International Space Station
- on-orbit operations
- lunar scientific payloads

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Our greatest asset is our unmatched talent!

How to create a candidate profile

1. Apply online at Amentum Space Exploration Division's Career Site
2. Select Sign In to create profile
3. Select Accept Agreement
4. Select New User
5. Create username and password
6. Remember to select the option to receive job alerts

https://aseg.space/

Intern positions are posted January through March 2025

ASED Internships

ADV0009VG Chemist Lab Intern
ADV0009ZG Special Test Equipment, Design/Stress Intern
ADV0009ZT Control/Instrumentation Intern
ADV0009ZU Propulsion Test Engineer Intern
ADV000A4W Guidance, Navigation & Controls Intern

ASED Entry Level Positions

ADV000A29 Navigation Telemetry & Sensor Engineer
ADV000A3D Atmospheric Data Analyst
ADV000A3F Structural Loads Analyst
ADV000A3U Systems Engineer for SLS to Ground Interfaces

Degree to Position Descriptions

Aeronautical/Aerospace Engineer: design, development, construction, testing, and operation of vehicles operating in the Earth's atmosphere or in outer space

Data Process/Analyst Engineer: supercomputer simulations that can help conduct research with less time and expense. Engineers are needed to process the data collected in these simulations and determine how to use it to deploy new solutions

Design Engineer: work on products and systems that involve adapting and using complex scientific and mathematical techniques. The emphasis tends to be on utilizing engineering physics and sciences to develop solutions

Electrical Engineer: determine the risks due to solar storms to the shuttle, International Space Station and crews, and make recommendations that would ensure the safety of the shuttle, ISS and crews

Hardware Engineer: design, build, and test the latest computer and electronics hardware

Instrumentation Engineer: measuring instruments that are used for indicating, measuring and recording physical quantities such as flow, temperature, level, distance, angle, or pressure

Mechanical Engineer: design and research potential advances, whether they are large engines or tiny sensors, to develop new and better aerospace technologies for current and future needs

Payload Specialist: help with data collection, experimentation, and other work critical to a space mission. Payload specialists accompany a piece of equipment in order to properly install or use it in the mission

Software Engineer: design, develop and maintain software systems including operating systems, business applications, mobile and web applications, connected hardware devices, networking systems

Systems Engineer: focuses on how to design and manage complex systems over their life cycles