Goddard is where engineering and science partner to build the systems of tomorrow

We are NASA’s leaders in several technical capability areas

Examples include: Science Instruments • Robotic Spacecraft • Communication • Navigation • Avionics and Software • EEE Parts and Radiation • Satellite Servicing
Goddard Lines of Business

Astrophysics

Earth Science

Planetary & Lunar Science

Communications & Navigation

Heliophysics

Suborbital Platforms & Range Services

Cross Cutting Technology & Capabilities

Enables & Enhances

Human Exploration & Operation

Engineering and Technology
The Engineering and Technology Directorate (ETD) is the engine that drives innovation, technology and engineering excellence to deliver science to Goddard, NASA and the USA.

• ETD is the largest organization at Goddard:
  – ~1,300 civil servants
  – ~2,500 contractors

• ETD provides multi-disciplinary engineering expertise for the development of cutting-edge Science and technologies in:
  – Earth Science
  – Astrophysics
  – Solar System
  – Heliophysics
  – Exploration

• ETD supports missions, builds satellites, instruments, operates and controls spacecrafts and acquires and distributes data to the world-wide science community.
The IRAD is run by the Office of the Center Chief Technologist and the Office of the Chief Scientist.

It is designed to develop strategic capabilities of interest to the NASA Center and/or science/technology projects for targeted opportunities.

The advances in science, technology and in business capabilities expected through this program will help make NASA more competitive, provide opportunities for risk reduction and/or increased cost effectiveness, and initiate transformational solutions to the most challenging mission-related problems.
## NASA Internship Programs

<table>
<thead>
<tr>
<th></th>
<th>PATHWAYS</th>
<th>OSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Employment Status</strong></td>
<td>Civil Servant</td>
<td>Non-civil servant</td>
</tr>
<tr>
<td><strong>Application System</strong></td>
<td>usajobs.gov/studentsandgrads</td>
<td>intern.nasa.gov</td>
</tr>
<tr>
<td><strong>Website</strong></td>
<td><a href="#">www.nasa.gov/careers/pathways-program</a></td>
<td>intern.nasa.gov</td>
</tr>
<tr>
<td><strong>Multi-Center</strong></td>
<td>No (Rotations Optional)</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Majors</strong></td>
<td>STEM and Non-STEM (currently 70/30)</td>
<td>Focused on STEM (limited opportunities for other majors)</td>
</tr>
<tr>
<td><strong>Degree Levels</strong></td>
<td>College sophomores through Post Graduate</td>
<td>High school through Post Graduate</td>
</tr>
<tr>
<td><strong>Start Dates</strong></td>
<td>Spring/Summer</td>
<td>Spring/Summer/Fall</td>
</tr>
<tr>
<td><strong>Internship Location</strong></td>
<td>Onsite with Telework/Flexible Work Schedule Options</td>
<td>Virtual, Onsite, and Hybrid</td>
</tr>
<tr>
<td><strong>Project Duration</strong></td>
<td>Long term work on multiple projects</td>
<td>Short term work on specific project</td>
</tr>
<tr>
<td><strong>Project Selection</strong></td>
<td>Focus on core majors (accounting and aerospace engineering)</td>
<td>Flexibility of selecting specific majors (Ex. Space architects, digital media, and optics engineering)</td>
</tr>
</tbody>
</table>

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NASA'S Goddard Space Flight Center Engineering and Technology Directorate
Diversity and Inclusion at NASA

• We promote the principles of diversity and inclusion to identify the best talent, achieve scientific and engineering excellence and realize mission success.

• We support a diverse, welcoming, inclusive and equitable NASA community through our Employee Resource Groups (ERG):
  
  – African American
  – American Indian/Alaska Native
  – Hispanic/Latino
  – Individuals with Disabilities
  – Lesbian, Gay, Bisexual, Transgender & Allies
  – Veterans
  – Women
  – Young Professionals

If you would like to connect with one of these committees, visit their respective pages on the Equal Opportunity Programs Office (EOPO) website:
Special Emphasis Programs | Equal Opportunity Programs Office (nasa.gov)
NASA ERGs and STEM engagement programs

NCCS Celebrates Black History Month: NASA Pioneers
Inspire a New Generation at NASA Goddard Space Flight Center

As NASA continues its celebration of Black History Month, the NASA Center for Climate Simulation (NCCS) recalls the legacy of three Black Americans whose pioneering work significantly impacted NASA and inspired new generations of African-American innovators at NASA and beyond.

Diversity & Inclusion

Lesbian, Gay, Bi-Sexual, Transgender, Queer+ ERG (LGBTQ+ ERG)

The Lesbian, Gay, Bi-Sexual, Transgender, Queer+ ERG (LGBTQ+ ERG) has been dedicated to supporting the entire Goddard workforce since it was founded.