

## NASA Goddard Space Flight Center Engineering and Technology Directorate (ETD)

NASA Goddard is keenly interested in increasing all levels of our Engineering workforce (Senior/Experienced, Junior/Recent Graduates, Pathways Intern/Co-Op Students, and OSSI Intern Students) in the following disciplines:

Aerospace	Computer	Chemical
Mechanical	Computer Science	Physics
Electrical	Materials	Math

Examples of the Engineering positions that we offer are:

Active/Passive Radiometer Instrumentation (550)	Microwave Systems (550/560)
Analog/Mixed Signal Design (560)	Mission Systems Engineering (590)
Avionics Packaging (560)	Optics (550)
Chemical (540)	Optical Coatings (550)
Coatings/Contamination (540)	Optical Communications (550/560)
Composites (540)	Optical Mechanical (550)
Composites Design (540)	Orbit Determination (590)
Cryogenics/Low Temp Physics (550)	Power Systems (560)
Detector Systems (550)	Programmable Logic Design/FPGA (560)
EEE Parts (560)	Spacecraft Propulsion (590)
Electrical Ground Support Equipment (560)	Radar (550)
Electrical Systems (560)	Radiation, Environment & Effects (560)
Electromechanical (540)	Reconfig/Embedded Program (580)
Electronic Parts (560)	RF Communications (560)
Electro-Optics/Lasers (550)	Satellite Navigation (590)
EMI/EMC (560)	Satellite Propulsion (590)
Fiber Optics (560)	Science Data Processing (580)
Flight Harness (560)	Software Development (580)
Flight/Ground Data Systems Software (580)	Space Mission Design (590)
Flight/Ground Data Systems (580)	Spacecraft Attitude Control (590)
Guidance, Navigation & Control (590)	Structural Mechanical Analysis (540)
Instrument Manager (505)	Systems Analysis (590)
Instrument Systems Engineering (505)	Systems Engineering (590)
Integration & Test (540/560)	Test Conductor for I&T (560)
Lasers (550)	Thermal Analysis (540)
Materials (540)	Thermal Systems (540)
Mechanical Design (540)	Vibroacoustics (540)
Mechanical Test (540)	Virtual Data System (580)
Microelectronics Development (560)	

### **INTERESTED – NEXT STEPS**

- To directly apply for Senior and Junior Level Positions, visit USAJobs (search NASA Goddard): <http://www.usajobs.gov/>
- For Summer Intern Positions, visit <http://intern.nasa.gov/>
- For Pathways Intern (formerly Co-Op) Positions and Senior or Junior Level positions that have not yet posted to USAJobs, email your resume to [gsfc-etd@mail.nasa.gov](mailto:gsfc-etd@mail.nasa.gov)

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## Mechanical Systems Division (Code 540)

Provides mechanical systems leadership and technology in the discipline areas of materials, structural dynamics and stress analysis, computer aided design, composites, electromechanical/ powered mechanisms, thermal and heat transport systems, contamination, specialized coatings, manufacturing, and integration and environmental test facilities for the verification and validation of space and Earth science and exploration missions and support systems.

## Instrument Systems & Technology Division (Code 550)

Provides leadership and vision in developing and implementing technology programs to identify new and emerging instrument technology requirements. The technologies developed range from subsystems such as optics, cryogenics, detectors, lasers, or microwave elements to complete instruments such as hyperspectral imagers, LIDAR systems, or microwave systems aimed at satisfying needs and enabling future space and Earth science missions, reducing mission cost, enhancing instrument performance, and/or simplifying instrument design and development.

## Electrical Engineering Division (Code 560)

Provides expert leadership in the design, development, and verification of space avionics systems including electronics parts and radiation effects, microelectronics and signal processing, electrical power processing, command and data handling, communications and tracking, end-to-end data transport, flight harnessing, integration and test, and electrical ground support equipment for NASA space missions and science instruments.

## Software Engineering Division (Code 580)

Provides leadership for end-to-end software engineering solutions and technology to both NASA's Earth science, space science, exploration missions, and external customers in the areas of flight, ground, science analysis software systems, mission operations, and on-orbit support.

## Mission Engineering & Systems Analysis Division (Code 590)

Provides leadership and expertise in mission systems engineering, mission design, navigation, propulsion, attitude control, attitude control sensor and actuator technologies, and space systems protection technologies through the entire life cycle of NASA's Earth science, space science, and exploration missions.



To learn more about ETD, visit <http://etd.gsfc.nasa.gov/> or contact us at 301-286-6218  
To learn more about Goddard, visit <https://www.nasa.gov/goddard>

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