Systems Engineering Interns and New Grads
00049183 Systems Eng. Interns & New Grads --- NEW 00051073

Interns—Do you want to join over 300 other interns for a summer of learning, networking and fun?

New Grads--Do you want to develop systems that contribute to solving our nation's most critical problems?   Do you want to be mentored by engineers and scientists that are experts in their fields?

We're making a difference every day—working for a safer, healthier, and more secure nation and world.

Come and create the foundation for your career. At MITRE, you will do this by working on a variety of projects that support our Government sponsors and by taking advantage of the many learning opportunities—classes at the MITRE Institute, continuing education through our Educational Assistance program, attending tech talks and innovation exchanges, publishing and presenting at technical forms and more.

Our workplace reflects our values. We want you to start and grow your career at MITRE so that you can experience the gratifying work, our competitive benefits, exceptional professional development opportunities, and a culture of innovation that embraces diversity, inclusion, flexibility, collaboration, and career growth.

Systems Engineering Interns and New Grads do?

MITRE's Systems Engineering Interns and new grads help to apply engineering principles and techniques to the collection, development, management, and refinement of requirements. These requirements would systems, people, processes, architecture, data, and infrastructure. They also help to validate those requirements by translating them from business needs.   Interns and new grads may be involved in defining and representing the fundamental structure of systems, system components, their relationships, and interfaces and the interface between the system and its external environment. They may also help with identifying business requirements and desired outcomes, determine cost reasonableness and expected benefits, define system boundaries and inputs and outputs, visualize data flows, capture processing needs, and choose centralized versus distributed processing.

What are some examples of projects that they work on?

- Responsible for determining key information for mission capability areas and developing prototype solutions and managing a lab infrastructure
- Business process model (BPM) development, business requirements documentation, and participating and taking notes in stakeholder engagement meetings
- Supply Chain Risk Assessment used for background checks
- Helping with requirements for a mew mission planning software
- Developed pieces of a website designed to collect and display logs of distributed systems
- Running cost models to determine the cost of migrating to a cloud

What does an Systems Engineering Intern or New Grad have:

- Demonstrated interest and/or experience in systems engineering and desire to focus on how to design and manage complex systems over their life cycles
- Sustained excellence in academic performance
- High level desire to help their nation solve its most critical problems
- Exhibits the characteristics of a continuous learner

Additional Information

70% of MITRE's full-time jobs require US government security clearances; therefore, many internships and full time positions require that the candidates be clearable.   MITRE does not provide sponsorship for those that need it currently or in the future.

Many of our jobs welcome those students who have an interdisciplinary approach to problem solving.