

Institute Name & Description	When	Available to	Location
<b>Computer Science Research Institute (CSRI)</b> Creates technology and solutions for many of our nation's most demanding national security challenges. Our work includes computer system architecture; enabling technology for modeling physical and engineering systems; and research in discrete mathematics, data analytics, cognitive modeling, and decision support materials.	Year-round, Summer, and Co-op	Undergraduate (upper-division students) and graduate students majoring in Computer Science, Math, Statistic Science, or Engineering	New Mexico and California
<b>Energy Surety Incubator (ESI)</b> Work side-by-side with top engineers on energy surety projects in renewable energy, energy storage, power distribution, power electronics, intelligent controls, systems engineering, smart grids, and microgrids.	Summer	Undergraduate and graduate students interested in energy systems and technologies	New Mexico
<b>Interdisciplinary Design, Engineering, and Assurance Students (IDEAS)</b> The Interdisciplinary Design, Engineering, and Assurance Students (IDEAS) program is a multi-discipline, product focused intern program that provides engineering design, components, subsystems, integration, testing, and field support for nuclear weapons and other national security applications. Examples of these applications include the development of satellite and other space-flight payloads and testing for high consequence military programs.	Year-Round, Summer	Undergraduate and graduate students majoring in Computer Science, Computer Engineering, Electrical Engineering, Mechanical Engineering or Related Discipline	New Mexico
<b>Interns for Security, Arms Control, and Force Protection Engineering (iSAFE)</b> Develop next-generation systems to lower the risk posed by potentially destabilizing, high-consequence events by supporting projects related to critical asset protection and security, nuclear weapons and force protection, weapons of mass destruction nonproliferation and cooperative threat reduction, energy and homeland security, intelligence science, and reliability engineering.	Year-Round, Summer, and Co-op	Undergraduate and graduate students majoring in Computer Science, Electrical, Computer, Mechanical, or Industrial Engineering, Cognitive Science or a related field of study.	New Mexico
<b>Mission Services Talent Acquisition Team (MSTAT)</b> The MSTAT Intern Program offers practical professional experience in Business Excellence, integrated supply chain management, finance and accounting, program planning and controls, and information technology.	Year Round, Summer	Undergraduate and graduate majoring in all business disciplines	New Mexico
<b>Monitoring Systems and Technology Intern Center (MSTIC)</b> Develop remote sensing and technologies for the next-generation systems to meet a variety of national security needs, including space missions, treaty verification, nuclear nonproliferation and counter-proliferation, cooperative monitoring, surveillance, and reconnaissance.	Year-Round, Summer, and Co-op	Undergraduate and graduate students majoring in Computer Science, Optical, Electrical, Computer, Mechanical, Nuclear, Aerospace, or Systems Engineering; Materials Science, Physics, Mathematics, Geophysics, Seismology, or a related field of study	New Mexico
<b>Nonlinear Mechanics and Dynamics (NOMAD)</b> The Nonlinear Mechanics and Dynamics (NOMAD) Research Institute brings together graduate students and early career researchers to work in small teams on computational and experimental projects germane to nonlinear mechanics and dynamics.	Summer	Graduate students (MS and PhD), Early Career (post PhD) in Aerospace Applied Mathematics, Civil Engineering, Engineering Mechanics or Related Discipline	New Mexico
<b>Nuclear Weapons Summer Product Realization Institute (NW SPRINT)</b> The Nuclear Weapons Summer Product Realization Institute (NWSPRINT) focuses on the innovation of new concepts, such as additive manufacturing, from non-traditional teams. Through these new innovations, NWSPRINT focuses on identifying gaps and developing paths to address them.	Summer	Undergraduate and graduate students majoring in Mechanical, Electrical Engineering, Materials Science, Physics or Related Discipline	New Mexico
<b>Research and Applications of Mechanics of Structures (RAMS)</b> The Research and Applications of Mechanics of Structures (RAMS) Institute provides students an opportunity to work with outstanding technical staff in providing engineering solutions to national security mission deliverables. Institute participants will research, develop, and apply computational capabilities to define mechanical environments and simulate response of complex structural systems subjected to extreme loading conditions.	Summer	Undergraduate (junior and higher) and graduate students majoring in Aeronautical Engineering, Civil Engineering, Engineering Mechanics, Materials Engineering, Mathematics, Mechanical Engineering, or Shock Physics	New Mexico
<b>Science of Extreme Environments Research and Innovation (SEERI) Program</b> Undergraduate and graduate students gain experience in the areas of radiation effects sciences, pulsed-power engineering, and high-energy-density sciences. Students work directly with Sandia scientists and engineers to conduct research on a focused project.	Year-Round and Summer	Undergraduate and graduate students majoring in Engineering, Physics, Mathematics, Computer Science, Radiation Effects Science	New Mexico
<b>TITANS - Software</b> Computer science and computer engineering students partner with software engineering experts in support of large distributed sensing systems. Our teams develop solutions for significant and diverse problem spaces, including remote sensing, data processing, analytics and visualization, and real-time decision systems. Students learn and apply new technologies in multiple full stack applications, such as developing big data solutions, deploying to cloud computing infrastructures, and investigating machine learning techniques.	Year-Round, Summer, and Co-op	Undergraduate (sophomore and higher) and graduate students majoring in Computer Science and Computer Engineering	New Mexico
<b>TITANS: Cybersecurity (Center for Cyber Defenders, CCD)</b> The Center for Cyber Defenders (CCD) is the premier institute for growing R&D cybersecurity staff members for national security. We provide opportunities for undergraduate and graduate students to grow their knowledge and professional experience in every aspect of the cybersecurity domain, ranging from enterprise security to industrial control systems, from the hardware layer to cloud applications, from data science to reverse engineering, and everything in between. Our open, collaborative environment allows students to build a professional network while working together to tackle real-world national security problems on teams with world-recognized subject matter experts.	Year-Round, Summer	Undergraduate and graduate students majoring in Cybersecurity, Computer Science, Computer Engineering, Electrical Engineering, or other related fields	New Mexico and California

<p><b>TITANS – Math &amp; Analytics (MARTIANS)</b>  Engages students in many of Sandia’s national security focus areas, including global security, cyber security, energy and climate. Interns unleash their enthusiasm for science and mathematics plus computer science to contribute to Sandia’s compelling missions, gain real-world experience in applied research, engage with other students with similar interests, and discover why New Mexico is the Land of Enchantment.</p>	Year-Round, Summer	Undergraduate and graduate students majoring in Engineering, Mathematics, Physical Science, Statistical Science – all with Computer Science minor or strong programming skills	New Mexico
<p><b>TITANS – Autonomy New Mexico</b>  AutonomyNM is intended to be an innovation hub for advanced flight and space systems to deliver transformative autonomous solutions in support of Sandia’s national security missions and beyond. The program also enables collaborative research focused machine learning, navigation, guidance, and control algorithms, and adversarial reinforcement learning with Sandia’s Academic Alliance universities and other leading engineering schools across the nation.</p>	Year-Round, Summer, and Co-op	Undergraduate and graduate students majoring in Computer Science, Computer Engineering, Electrical Engineering, Mechanical Engineering, Math, Statistics and Aerospace.	New Mexico