



SOUTHWEST RESEARCH INSTITUTE

Jobs – Careers in Space

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What Are They

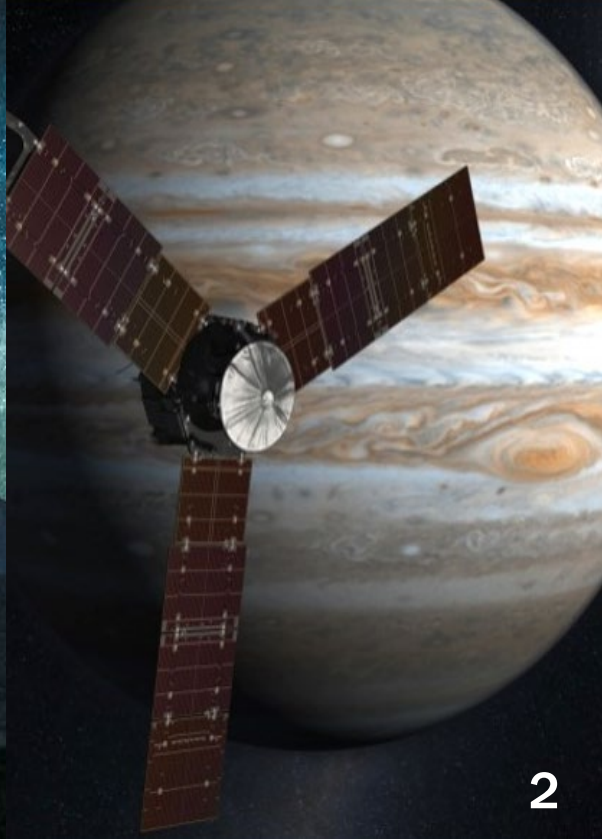
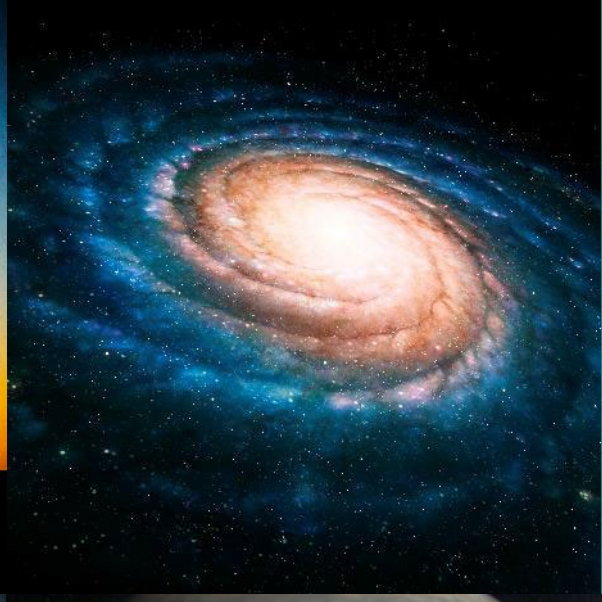
Scientists / Engineers / Analysts

Specialists

Technician Support

Administrative Support

Management – Project and People



Pay In Jobs in Space

Let's Use
Market Benchmarks Based on
Fully Functioning Job
Performance
and
Qualifications



Scientists / Engineers / Analysts

BS, MS, PhD in Physical & Engineering Sciences

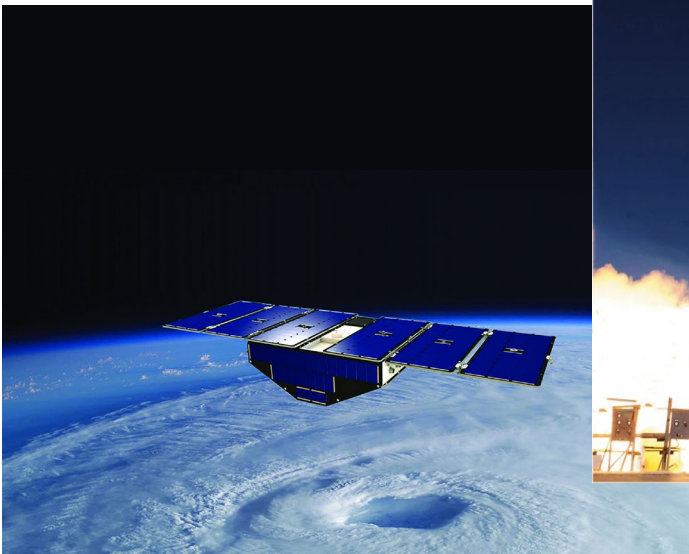
- Design, analyze, and develop cutting-edge space instrumentation, mechanisms, and spacecraft hardware
- Develop avionics and electronics to reveal the secrets of our solar system and the universe
- Computational and theoretical research
- Write technical reports, papers, proposals, presentations
- Big Data Analytics



Specialists

BS/MS in Business, Logistics, Accounting, Purchasing, Human Resources

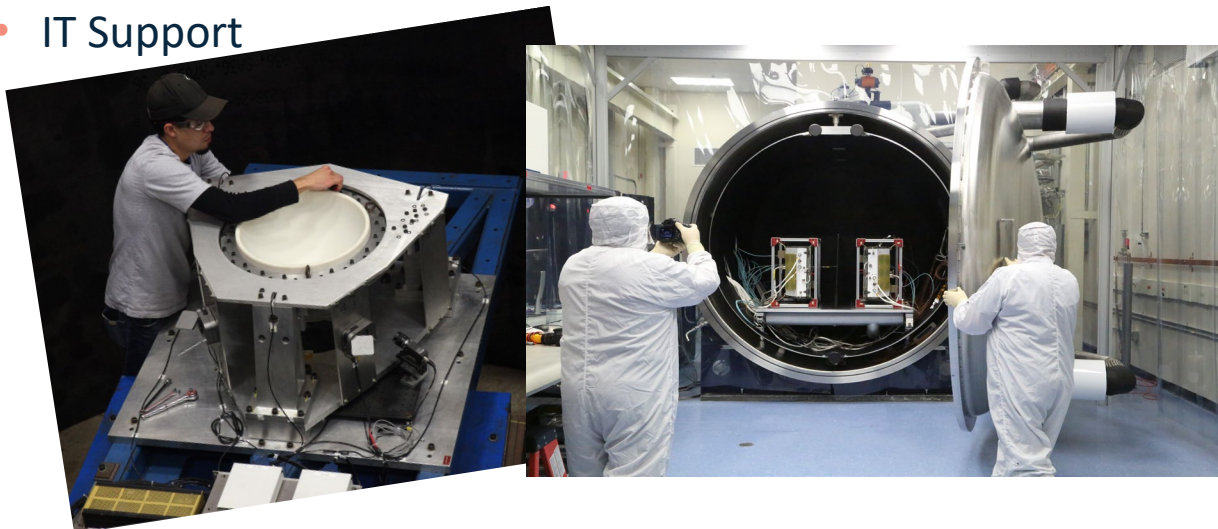
- Manage procurement and fabrication materials
- Interface with team members, support functions, suppliers, clients, stakeholders...logistics
- Cost/price analysis, compliance, audit, market research, negotiations



Technician Support

HS/AS in Engineering Technology, Electronics, Skills in Craft Trades

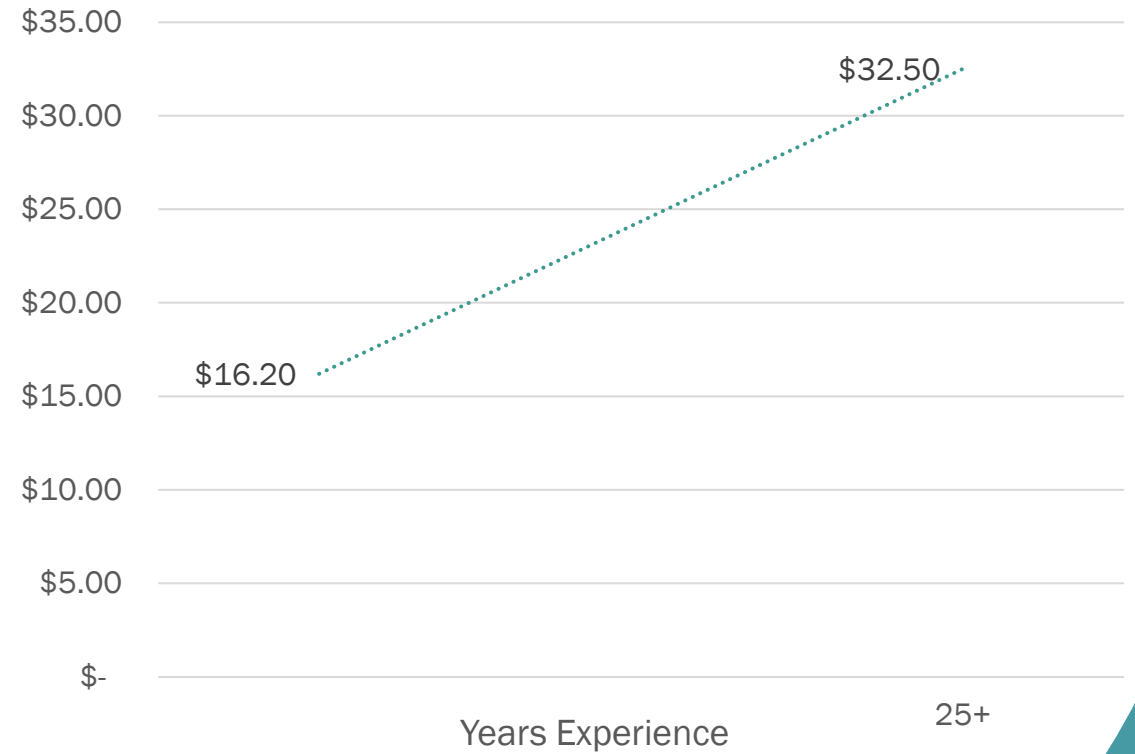
- Electronic assembly procedures, tinning, and lead bending to aerospace standards
- Soldering work with magnification
- Polymeric operations including conformal coating and staking
- Computer Aided Design
- IT Support



Administrative Support

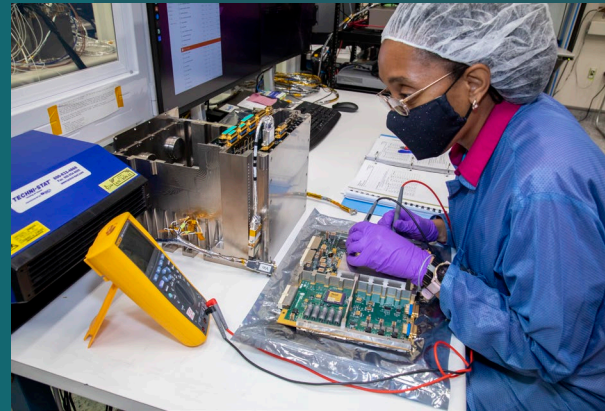
HS/AS in Administrative Field

- Manage receivables/deliverables/logistics
- Verify/validate databases and work products
- Process tracking administration, invoices, tracking, filing
- Monitor terms of agreements for performance, delivery, progress, invoices, payments and modifications
- Prepare and edit documents

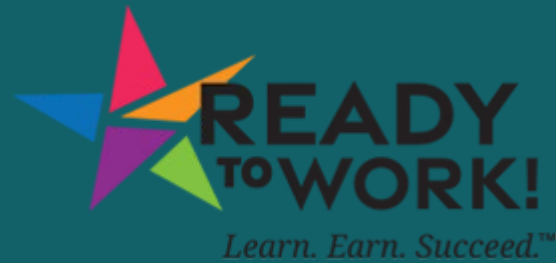


What Else Does It Take

- Avoiding Obsolescence – Continual Learner
- Love a challenge -- Curiosity
- Intrinsically Rewarded – Love What You Do
- Team Orientation -- Collaborator
- Problem Solver – Long Term View
- Professional and Ethical Standards
- Professionally Connected



Student Resources



Colleges

- Alamo Promise
- UTSA
- Texas A&M SA

Create Your Team With a Purpose



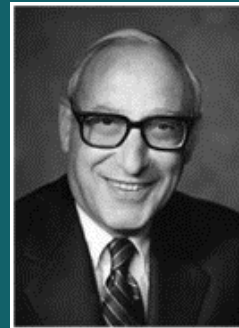
It has always been my intention to work towards the building up of a great center for human progress . . . I would like this effort . . . to embrace as wide a range of scientific research as is practical.

– Tom Slick



SwRI exists for but one purpose – to furnish research and development services to all who can benefit by it.

– Harold Vagtborg



Those individuals who helped found this new kind of organization were wise beyond their years.

– Martin Goland



The Institute's purposes and goals outline its commitment to excellence.

– J. Dan Bates



Since our founding nearly seven decades ago, innovation in science and technology has been a hallmark of Southwest Research Institute.

– Adam Hamilton

Keys To Success

INTERNSHIPS / CONTINUED TRAINING

- Career Orientation
- Summer/School Year
- Start Post-Secondary Education With Your Career in Mind
- Be Mindful of Obstacles, but Persistence and Seeking Those Who Can Help Overcome Them Lead to Obstacles Becoming Opportunities

COMMUNITY

INVOLVEMENT / VOLUNTEER

- Give Back and Show Others How
- Use as an Opportunity to Learn
- Turn into a Safety Net
- Connectivity
- Mental Health
- Caring for Others
- Hobbies

DEVELOP A PASSION

- Work is Taking a Vacation Everyday When You Love What You Do....Go Swim in the Ocean
- Compelling Preoccupation With Whatever Drives Why You Get up Every Day
- Personal Purpose



How

- Do It Today– Get Advice – Don't Procrastinate Your Future
- Resume Building
- Application
- Interview
- Orientation – First Days on the Job
- Go Look at Job Sites



*The way to get started is
to quit talking and begin
doing.*

...today

– Walt Disney

A vibrant aurora borealis in space, with green and blue light streaks against a dark starry background. The aurora is visible on the left side of the slide, partially overlapping a teal circular shape.

Thank You

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