



# UTAH

# STATE

**ENERGY ENGINEERING PROGRAM  
DEVELOPMENT LEADER PROFILE**



**UtahStateUniversity**



## Utah State University invites nominations and applications for the position of Energy Engineering Program Development Leader

**Utah State University** invites applications and nominations for the position of Program Leader for Energy Engineering in order to develop a new academic and research program focused on energy engineering. This program received state legislative support in 2024 and has as its goal to make Utah State the leader in the field of energy engineering education in Utah. This exciting new initiative aims to address serious workforce and economic needs throughout Utah, particularly rural locations.

Reporting to the Dean of the College of Engineering, the Program Leader will guide the development of this comprehensive educational, research, and innovations program, making Utah State an Energy Knowledge Hub for Utah. The developing endeavor will focus on conventional hydrocarbon, nuclear, critical minerals, and other important energy sectors. The program is financially supported to the level of \$2.1 million on-going per year and \$450,000 one-time funding to initiate the project development. The program will employ nine new faculty distributed across four of USU's campuses. Utah State seeks an experienced professional in the field of energy engineering from industry and/or academia to lead the establishment and on-going success of the program.

AGB Search is pleased to assist Utah State University with this search. For best consideration, applications should be

submitted by **November 26, 2024**, to the AGB Search Portal: [Utah State Energy Engineering Project Leader](#).

Candidates are requested to submit the following:

1. A curriculum vitae or resume
2. A letter of interest that addresses the leadership opportunities and desired experiences and attributes in this profile, and
3. Contact information for five references (to be contacted at a later date with candidate's permission)

Inquiries, nominations and expressions of interest in the Energy Engineering Program Leader position are encouraged. Please direct them to [USUEnergyEngineering@agbsearch.com](mailto:USUEnergyEngineering@agbsearch.com) or to the AGB search consultants listed below:

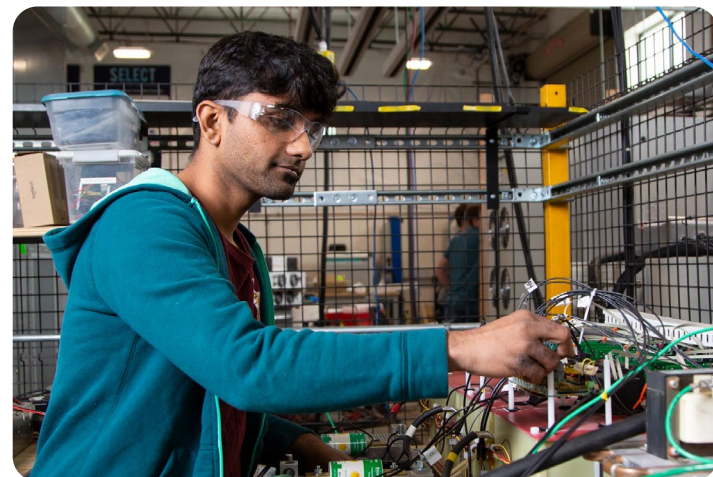
- Jerry Gilbert, PhD, Executive Search Consultant, [jerry.gilbert@agbsearch.com](mailto:jerry.gilbert@agbsearch.com), 662.769.1021.
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- Anne Hoffman, Executive Search Associate, [anne.hoffman@agbsearch.com](mailto:anne.hoffman@agbsearch.com) 805.490.9161

# The College of Engineering at Utah State University is a regional leader in teaching and research.

We are home to the world-famous Utah Water Research Laboratory and the National Science Foundation-funded ASPIRE Engineering Research Center for sustainable electrified transportation. Each year, our college welcomes an average of 2,000 undergraduate and 300 graduate students from around the globe. The college offers six ABET-accredited undergraduate degrees and 15 graduate degree programs. In 2023, the college generated \$40 million in research expenditures. Our award-winning faculty regularly secure competitive funding, and our students excel at national design and scholarships challenges. For more information, please visit: <https://engineering.usu.edu/>

## The successful candidate will:

- Take the lead and responsibility for establishing and ensuring the on-going success of the Energy Engineering program at Utah State in keeping with program objectives.
- Work cooperatively with the dean of the College of Engineering and others where appropriate to lay the groundwork for a new academic Department of Energy Engineering at USU with the goal of achieving ABET accreditation.
- Assist the College of Engineering to recruit nine new faculty in strategic areas of the discipline to offer credentials and degrees that best meet industry needs across Utah.
- Seek and establish industry partnerships that benefit the operations and goals of the Utah State energy engineering initiative.
- When appropriate, represent the interests of Utah State with regards to the new energy engineering program.
- Provide progress updates on program development to the university president and the provost and executive vice president.
- Establish a portfolio of appropriate and high-value undergraduate and graduate credentials and degrees based on faculty expertise and regional industry demands that meet accreditation standards.
- Work to ensure that graduates of the energy engineering program meet the energy industry needs of the state of Utah.
- Assist with reports to the Utah legislature and others as necessary on progress in the development of the program and start up expenditures.
- Participate in plans for marketing and communications about the new program for both student and faculty recruitment.
- Collaborate with the Dean of Engineering and others at Utah State to develop a roadmap for the future of energy production in Utah and the surrounding region.



# POSITION DESCRIPTION

The Program Leader for Energy Engineering will play a critical role in developing the new energy engineering program at the university to serve the needs of the state of Utah by producing graduates for the energy field and conducting basic and applied research to meet the needs of the energy industry. The Program Leader will bring experience and expertise from industry and/or academia to assist USU in this exciting new undertaking. Although the Program Leader is approved to be a full-time, on-going position, someone from academia or industry on a two-year leave of absence to develop the program would also be considered.

### Minimum Qualifications:

- Bachelor's degree in engineering or related field.
- Proven track record as a successful professional and senior leader in the energy engineering field with a minimum of 7-10 years of experience in the field.
- Demonstrated ability to organize and launch new initiatives and make rapid progress.

### Preferred Qualifications:

The following qualifications are desired but are not required of applicants:

- Graduate degree(s) in engineering or related field.
- Experience in developing successful industry-public partnerships.
- Engagement with higher education in the field of engineering and appreciation of the impact of higher education on industry needs.
- Experience with research programs in energy engineering.

### Knowledge, Skills, and Abilities:

- Extensive and proven expertise on the current and future state of the energy engineering industry.
- Dedication to the establishment of an academic unit with academic programming in the field of energy engineering based on knowledge of growing and relevant fields that address current and future needs in the industry.
- Effectiveness at developing industry and government partnerships to support the new energy engineering initiative at USU.
- Excellent leadership, communication, collaboration, interpersonal, and organizational skills.

- Ability to work effectively in a fast-paced environment with diverse constituencies to successfully achieve milestones in new program development.
- Strong analytical and problem-solving skills.
- Must be able to travel throughout Utah and Intermountain region.
- Strong critical thinking ability with the capacity to analyze, summarize, and effectively present data

### Benefits

To help build a great quality of life environment a generous package is offered that includes a comprehensive Blue Cross Blue Shield healthcare program, a day one 100% vested 401(a) retirement plan, 176 hours of paid leave plus 12 paid holidays, 96 hours of paid sick leave, life and disability insurance, as well as many other benefits. Click here to learn more: <https://www.usu.edu/hr/benefits/>

### Disclaimer

This position description indicates the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive list of all duties, responsibilities, and qualifications required of employees assigned to the position.



# QUALIFICATIONS

# Metrics



**10**  
COLLEGES &  
SCHOOLS



**271**  
DEGREES &  
CERTIFICATES  
OFFERED



**11,077**  
EMPLOYEES



Jaynee Chee, First Generation Student, USU Blanding



**1,040**  
FACULTY



**7,123**  
DEGREES AWARDED  
IN FY23



**TOP 10%**  
IN THE NATION FOR  
ONLINE BACHELOR'S  
*(U.S. News & World Report, 2024)*



Mackenzie Holmes, Air Quality Undergraduate Researcher



**#18**  
PUBLIC UNIVERSITY  
IN THE NATION  
*(Washington Monthly, 2023)*



First-year Student Luminary

**BEST  
EMPLOYER  
IN UTAH**  
**Forbes**  
*(Forbes, 2023)*



Employee Appreciation Day

**37**  
GOLDWATER  
SCHOLARS



Sophia Hessami  
2024 Goldwater Scholar

**20%**  
OF UNDERGRADS ARE  
FIRST-GENERATION  
STUDENTS

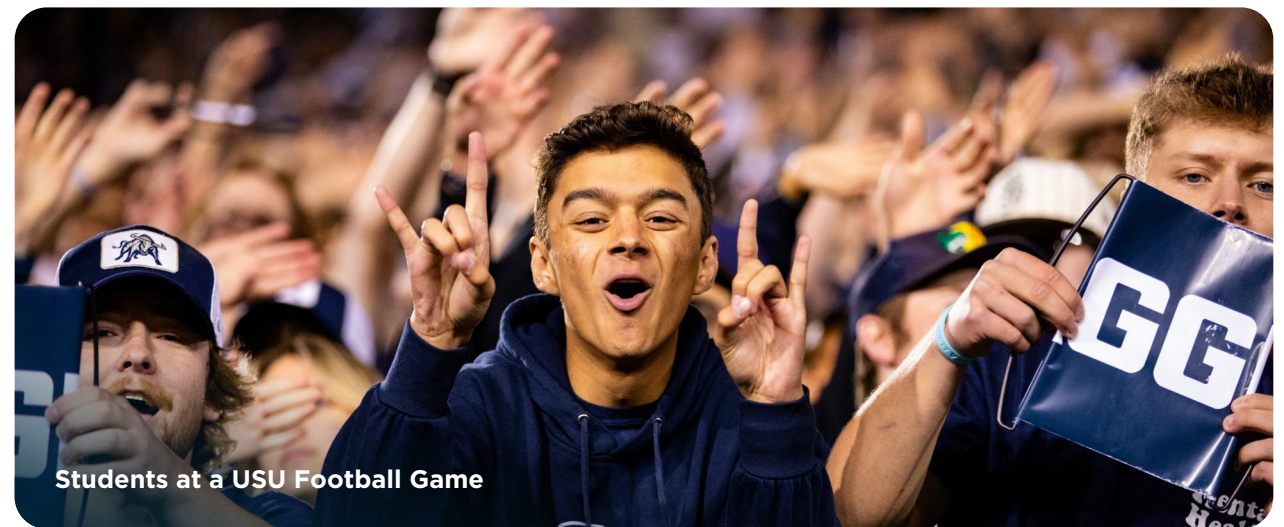


Undergraduate Biological Engineering Lab

**2<sup>ND</sup>**  
OLDEST RESEARCH  
UNDERGRADUATE  
PROGRAM  
IN THE NATION  
*(Since 1975)*



# INSTITUTIONAL OVERVIEW



Students at a USU Football Game

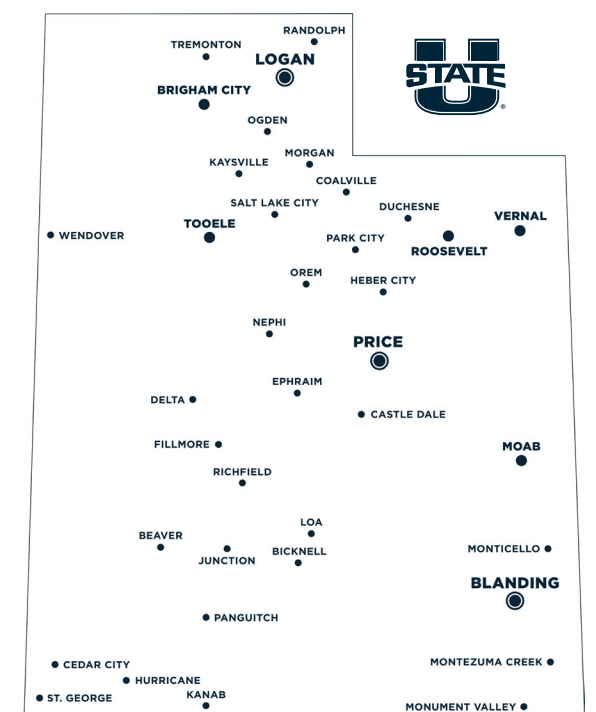
## Utah State Leading the Way

Utah State University has successfully fulfilled its three-fold mission as the state’s land-grant institution since its founding in 1888. The university provides access to higher education for Utahns, researches critical issues affecting the state, and provides Extension and outreach efforts to improve Utah communities and families through Extension and outreach. With over 28,000 students across three residential campuses, six non-residential campuses, and 23 statewide education centers, we proudly – and accurately – call ourselves **“Utah’s state university.”**

Utah State is uniquely suited to meet students where they are in life—geographically, socially, or economically—and help them become successful. We are ranked No. 18 among all public universities in the *Washington Monthly* 2023 National University Rankings, which focuses on contributions to the public good in social mobility, research, and promoting public service. In fall 2023, our Statewide Campuses saw strong enrollment growth at 4.3%, with our newest campus, USU Moab, growing by 15.8%. Across the Utah State system, Latino student enrollment increased by 4.3%, following a 10% increase from 2021 to 2022.

As a top-tier R1 university, Utah State research makes significant positive impacts in Utah, the nation, and throughout the world. Expert researchers are driven to solve

the grand challenges of our time, especially in critical areas such as space, transportation, climate, land, water, air, education, and health and well-being. Utah State’s undergraduate research program is the second oldest in the nation and has been recognized as a national leader in providing high-quality research experiences to students with many participating in world-class research activities as early as their first year.



## Aggie Action 2028

Utah State University's strategic plan, Aggie Action 2028, helps ensure we meet the expectations of future students and fulfills its service and outreach mission as a land-grant, R1 institution. This plan guides how the university invests resources in programs and initiatives, positioning the university to tackle challenges affecting the state like never before, including in the areas of land, water, air, mental health, and quality of life.

### Mission

Utah State University is a premier land- and space-grant institution committed to excellence, access, and inclusion.

### Vision

We empower all people to lead successful lives of involvement, innovation, and impact.

### Strategic Direction

We champion exceptional education, research and discovery, and community contribution.

### Pillars

Aggie Action 2028 comprises four pillars that highlight Utah State areas of focus over the next half-decade. Each pillar includes priority objectives and specific outcomes to be achieved.

1. Deliver an exceptional learning experience.
2. Drive impactful research and creative excellence.
3. Build prosperous local and global communities.
4. Cultivate Utah State community and culture.

## Academics

Utah State offers 137 undergraduate degrees, as well as 95 master's degrees, and 39 doctoral degrees – including technical education with 60 certificates and licensures to help students at every step of their career. With the approval of a new College of Veterinary Medicine in 2022, the university now has nine academic colleges. In 2021, Utah State tied for the best undergraduate research program in the U.S., and USU Online ranked in the nation's top 25 online bachelor's programs. Utah State boasts 38 Goldwater Scholars and 15 honorable mention recipients since 1998, numbers that rival other top universities across the nation.

### Colleges

- College of Agriculture and Applied Sciences
- Jon M. Huntsman School of Business
- Caine College of the Arts
- Emma Eccles Jones College of Education and Human Services
- College of Engineering
- College of Humanities and Social Sciences
- S.J. & Jessie E. Quinney College of Natural Resources
- College of Science
- College of Veterinary Medicine

## Inclusive Excellence

At the core of Utah State University's land-grant mission is a commitment to excellence, access, and inclusion for all members of our statewide campus community.

Inclusive excellence at Utah State is an ongoing practice to expand access to higher education and outreach programs, support academic success and individual readiness for post-graduation endeavors, facilitate engagement in scholarly activities, encourage respectful dialogue and the exchange of diverse viewpoints, and foster a campus climate conducive to belonging. All practices are anchored in our Principles of Community. With an integrated network of support and partnership across colleges and community members, our collaborative efforts can contribute to a campus culture that values every individual in all academic and community-life aspects.

## Athletics

The Utah State University Aggies compete at the NCAA Division I level in 16 sports. The Aggies are currently members of the Mountain West Conference and will join the Pac12 Conference July 1, 2026. They have won seven conference championships over the past five years in football, men's basketball, men's cross country, women's volleyball, and men's tennis, as well as winning the Mountain Rim Gymnastics Conference title in women's gymnastics. In 2023, Utah State student-athletes led the MWC with 183 scholar-athlete awards. At Utah State Eastern in Price, 10 teams compete in the Scenic West Athletic Conference at the NJCAA level. The women's volleyball team placed 10th in the NJCAA National Tournament in 2022.





# LOGAN & THE CACHE VALLEY



Downtown Logan, Utah

## Utah State University: Utah's Top Employer

In 2023 Forbes ranked Utah State as the #1 place to work in Utah. And, for two years straight, U.S. News & World Report has **ranked Utah first** for its strong economy, fiscal stability, education, and healthcare. Outstanding outdoor recreational opportunities abound throughout the state, including five national parks, 43 state parks and recreation areas, and 15 alpine ski resorts.

The Cache Valley sits **80 miles northeast of Salt Lake City**, between the Wellsville Mountains and the Bear River Range. While the valley stretches from northeastern Utah into southeast Idaho, the term “Cache Valley” is often used to describe the Logan metropolitan area—a fast-growing region that has gained national attention in recent years for its economic vitality.

Logan and the Cache Valley have long been known as an ideal destination for outdoor enthusiasts, with year-round natural beauty and an incredible variety of recreation opportunities. There are two ski resorts less than an hour from campus and miles of trails for hiking and mountain biking. The 40-mile drive on the Logan Canyon Scenic Byway winds along the Logan River through dramatic cliffs, thick forests, and open meadows before arriving at Bear Lake, known throughout the west for its Caribbean-

blue waters. And the local scenery is just the beginning: Logan is within a day's drive of six national parks, from the deserts of Arches and Zion to the mountains of Yellowstone and Grand Teton.

Utah State University is central to the community of Logan and has played an important role in helping this small city build a large arts presence. Historic downtown theatres produce plays, musicals, and operas year-round, and art galleries and concerts can be found throughout the area. For decades, the Logan area has enjoyed a historically low rate of unemployment, and its projected job growth over the next decade is higher than that of the national average. The metropolitan area of 130,000 includes nearly 30 smaller communities that help power a robust economy that includes a growing tech sector. The majority of residents in the area work in healthcare, educational services, high-tech manufacturing and research, and food processing and business services.

**The Logan metro area claimed the top spot in the Milken Institute's 2022 ranking for best-performing small cities in the nation and remained in the top five small cities in their 2023 rankings.**



# Title IX

In its programs and activities, including in admissions and employment, Utah State University does not discriminate or tolerate discrimination, including harassment, based on race, color, religion, sex, national origin, age, genetic information, sexual orientation, gender identity or expression, disability, status as a protected veteran, or any other status protected by University policy, Title IX, or any other federal, state, or local law. The following individuals have been designated to handle inquiries regarding the application of Title IX and its implementing regulations and/or USU's non-discrimination policies:

**Executive Director of the  
Office of Equity**

**Matthew Pinner**

matthew.pinner@usu.edu

Distance Education Rm. 401

Logan, Utah, 84322-5100

435.797.1266

**Title IX Coordinator**

**Cody Carmichael**

cody.carmichael@usu.edu

Distance Education Rm. 404

Logan, Utah, 84322-5100

435.797.1266

For further information regarding non-discrimination, please visit [equity.usu.edu/](https://equity.usu.edu/), or contact:

**U.S. Department**

**of Education**

**Office of Assistant**

**Secretary for Civil Rights**

800.421.3481

OCR@ed.gov

**U.S. Department**

**of Education**

**Denver Regional Office**

303.844.5695

OCR.Denver@ed.gov



**UtahStateUniversity**