



UVU

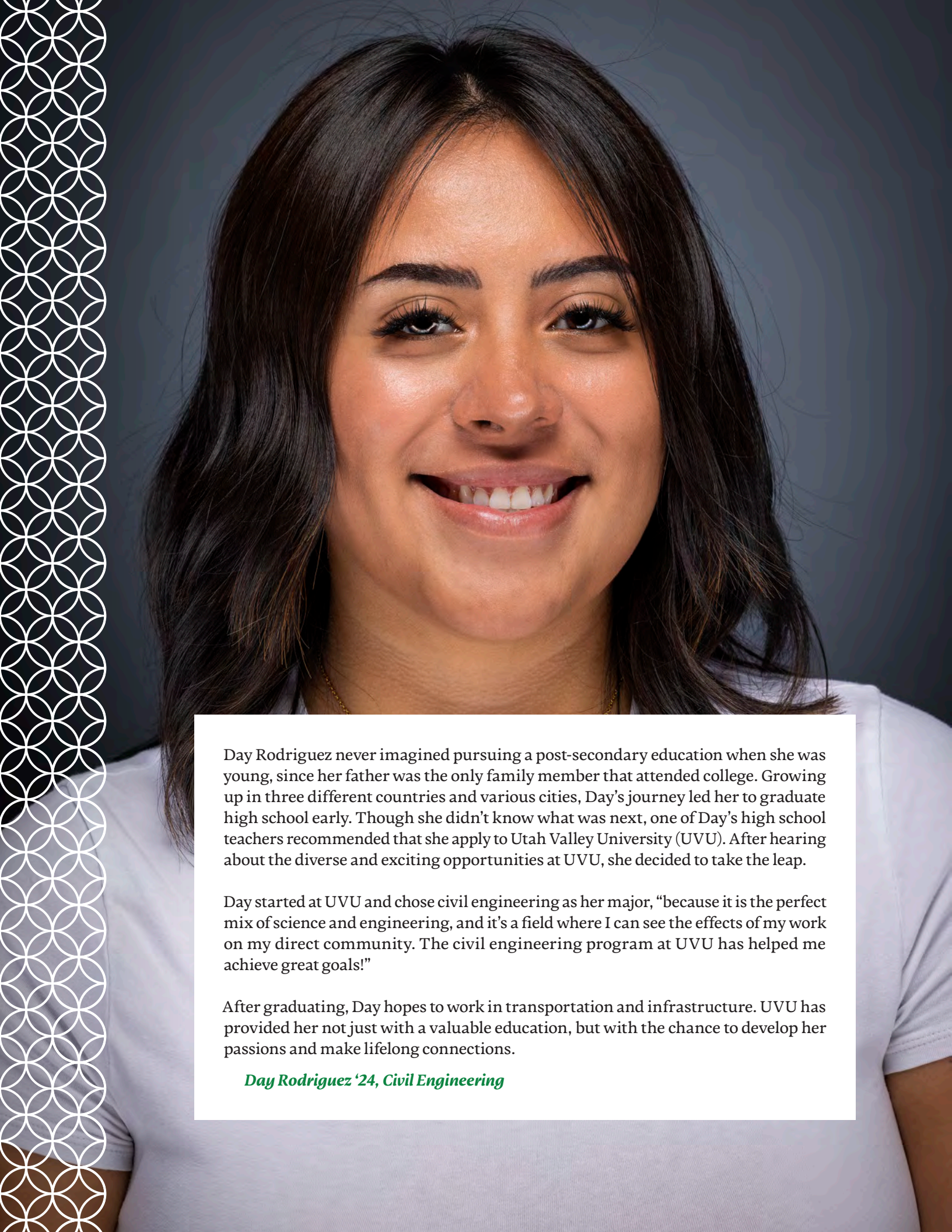
*Smith College  
of Engineering & Technology*

---

*Naming Opportunities*





A portrait of Day Rodriguez, a young woman with long, dark, wavy hair, smiling warmly at the camera. She is wearing a light-colored t-shirt. The background is a solid dark grey. On the left side of the image, there is a vertical decorative border consisting of a repeating pattern of white circles, each containing a smaller circle, creating a geometric, lattice-like effect.

Day Rodriguez never imagined pursuing a post-secondary education when she was young, since her father was the only family member that attended college. Growing up in three different countries and various cities, Day's journey led her to graduate high school early. Though she didn't know what was next, one of Day's high school teachers recommended that she apply to Utah Valley University (UVU). After hearing about the diverse and exciting opportunities at UVU, she decided to take the leap.

Day started at UVU and chose civil engineering as her major, "because it is the perfect mix of science and engineering, and it's a field where I can see the effects of my work on my direct community. The civil engineering program at UVU has helped me achieve great goals!"

After graduating, Day hopes to work in transportation and infrastructure. UVU has provided her not just with a valuable education, but with the chance to develop her passions and make lifelong connections.

***Day Rodriguez '24, Civil Engineering***





## AN INVITATION

The Smith College of Engineering and Technology (SCET) has a historic chance to tackle global and community challenges, enriching lives worldwide. From transportation to healthcare, engineering and technology underpin our economy. SCET aims to inspire future innovators, train future leaders, and foster a better world.

With your generous support, we can build a state-of-the-art facility and innovative programs that empower students and benefit communities. Your contribution will leave a lasting impact, shaping the future of our community, the university, and its students. Thank you for your generosity and commitment to our mission.

Sincerely,

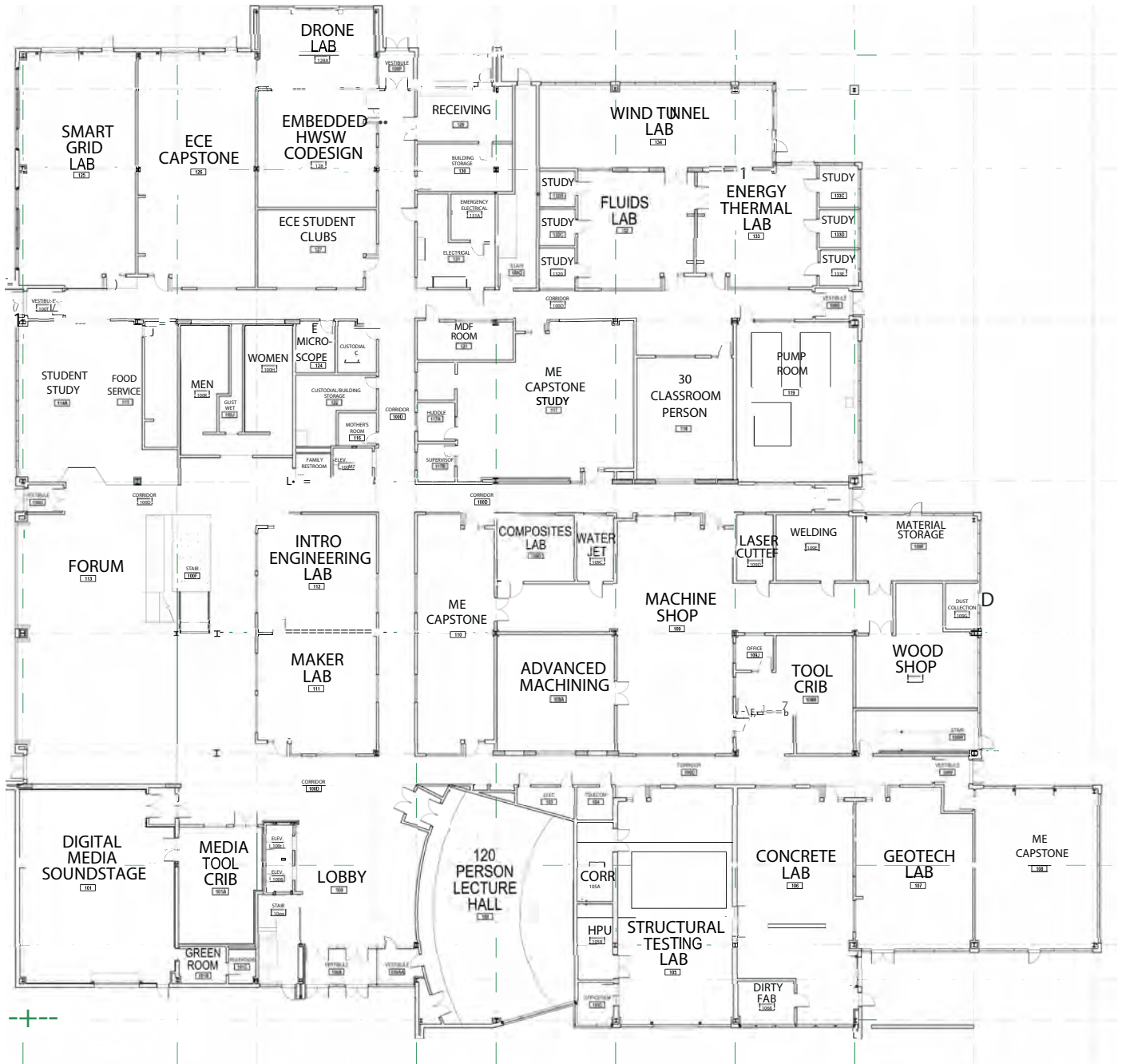


**Kelly Flanagan**

*Dean, Smith College of Engineering & Technology*

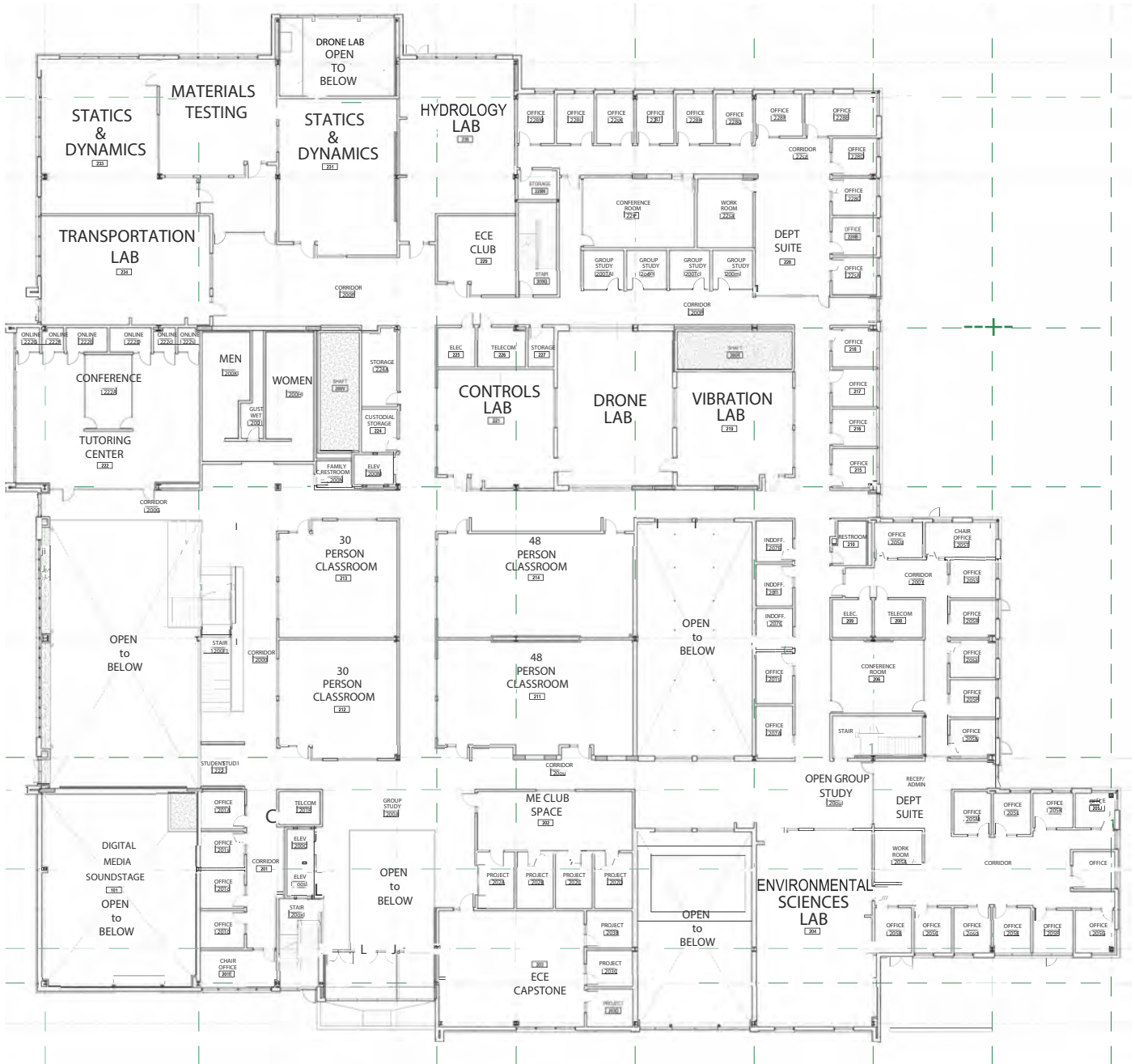
# FLOOR PLANS

## Level 1



# FLOOR PLANS

## Level 2





# FLOOR PLANS

## Level 3



### Level 4

### Level 4





## SMART GRID LAB

*Location:* Ground Floor/Lobby | *Program:* Electrical and Computer Engineering | *Square Footage:* 1,933

This lab will be equipped with small-scale equipment such as magnetic circuits, transformers, rotating machines, solar cells, wind turbines, battery storages, converters, compensators, and electric vehicles with chargers. It will support electrical and computer engineering, energy conversion, power systems, and power grids.

*Naming Opportunity*

**\$375,000**

**NEGOTIATING**



## ECE CAPSTONE

*Location:* Ground Floor/Lobby | *Program:* Electrical and Computer Engineering | *Square Footage:* 1,956

Equipped with state-of-the-art technology, this lab will be used by the students in the Electrical and Computer Engineering (ECE) Program. The lab includes various engineering tools and devices, allowing students to design and build devices that integrate many concepts they learn throughout the curriculum.

*Naming Opportunity*

**\$375,000**





## ECE DRONE LAB

*Location:* Ground Floor/Lobby and Second Level (2 level lab)

*Program:* Electrical and Computer Engineering | *Square Footage:* 656

This lab will be used for machine learning, embedded systems, autonomous systems, capstones, senior projects, and applied research activities. It will include a drone net, cameras, working stations, small and mid-size drones, and drone equipment.

*Naming Opportunity*

**\$150,000**





## EMBEDDED HW SW CODESIGN

*Location:* Ground Floor/Lobby | *Program:* Electrical and Computer Engineering | *Square Footage:* 964

This lab provides real-time simulation, hands-on experiments, and integrative projects from fundamental digital logic design to emerging embedded computing system design. It supports digital design and embedded systems courses.

*Naming Opportunity*

**\$200,000**



## WIND TUNNEL LAB

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 1,367

The wind tunnel lab will be used for aerodynamics testing and flow visualization, including fluid mechanics, thermal/fluid experimentation, mechanical engineering elective courses, student projects, and undergraduate research projects.

*Naming Opportunity*

**\$225,000**





## FLUIDS LAB

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 1,232

The fluids lab is designed to provide a space for pump performance, friction flow measurements, hydrostatic pressure measurements, and flow imaging. It will be used for courses, student projects, and undergraduate research.

*Naming Opportunity*

**\$225,000**



## ENERGY THERMAL LAB

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 1,273

The thermal energy lab is designed to provide a space for an HVAC bench, conduction lab, convection lab, radiation lab, thermal imaging, IC engines, electric vehicle motor station, and solar and wind energy test stands. It will be used for courses, student projects, and undergraduate research.

*Naming Opportunity*

**\$250,000**



## FORUM

*Location:* Ground Floor/Lobby, Second Level, and Third Level (3 levels open)

*Program:* Shared | *Square Footage:* 7,419

This visionary space is destined to become the epicenter of UVU's engineering community, serving as the primary gathering point for students within our brand-new facility. Your donation will empower future generations to excel and innovate within this open and inspiring environment.

*Naming Opportunity*

**\$4,575,000**

**TAKEN**





## ELECTRON MICROSCOPE

*Location:* Ground Floor/Lobby | *Program:* Electrical and Computer Engineering | *Square Footage:* 146

This lab enables students and researchers to use advanced imaging techniques and equipment to reveal the structure and composition of materials at the nanoscale. It will house scanning and transmission electron microscopes, as well as tools for sample preparation and analysis.

*Naming Opportunity*

**\$50,000**

**TAKEN**



## INTRO ENGINEERING LAB

*Location:* Ground Floor/Lobby | *Program:* Pre-Engineering | *Square Footage:* 963

This lab is for the many sections of Introduction to Engineering classes to be held in. The lab is designed for group projects and has an adjacent doorway to the Maker Space Lab for when students are creating prototypes.

*Naming Opportunity*

**\$300,000**



## MAKER LAB (ME/CE)

*Location:* Ground Floor/Lobby | *Program:* Pre-Engineering | *Square Footage:* 978

The Maker Space holds basic machine shop equipment, 3D printers and cutting equipment used for small projects and prototyping. It has tools and spaces for brainstorming, design, additive manufacturing, laser cutters, power and hand tools, testing areas, and project storage space.

*Naming Opportunity*

**\$325,000**



## COMPOSITES LAB

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 363

This lab will be used in some of the elective courses and may be a precursor for the development of a composite course with a lab component. Planned equipment for the lab include a heater, vacuum pumps, benches, a freezer, ultrasonic sensors and a data acquisition system.

*Naming Opportunity*

**\$100,000**





## WATER JET

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 173

Housed within the larger Machine Shop Complex, this lab will have machines that employ water jet cutting technology. Its capabilities will also be of use for student projects, including undergraduate research projects.

*Naming Opportunity*  
**\$25,000**

**TAKEN**



## ADVANCED MACHINING

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 977

This lab provides students with practical experience on performing manufacturing processes that primarily involve metal cutting on CNC machining centers. It will also be used for manufacturing project components using CAD, including undergraduate research.

*Naming Opportunity*  
**\$250,000**

**TAKEN**



## MACHINE SHOP / TOOL CRIB

*Location:* Ground Floor/Lobby and Second Level (2 levels open)

*Program:* Mechanical Engineering | *Square Footage:* 3,609

This shop provides equipment for manufacturing and fabrication processes including material removal, solidification, assembly, composites manufacturing, and woodworking. It will be housed in a large space to accommodate the equipment and machinery required.

*Naming Opportunity*

**\$850,000**





## LASER CUTTER

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 172

This is housed within the larger Machine Shop Complex. It will have machines that employ laser cutting technology. Its capabilities will also be of use for student projects, including capstone, manufacturing, and undergraduate research projects.

*Naming Opportunity*

**\$25,000**

**TAKEN**



## WOOD SHOP

*Location:* Ground Floor/Lobby | *Program:* Mechanical Engineering | *Square Footage:* 819

This shop is housed within the larger Machine Shop Complex. It will have machines that enable students to perform woodworking for the production of initial prototypes, components, as well as final products.

*Naming Opportunity*

**\$150,000**



## DIGITAL MEDIA SOUNDSTAGE / GREEN ROOM / TOOL CRIB

*Location:* Ground Floor/Lobby and Second Level (2 levels open)

*Program:* Digital Cinema | *Square Footage:* 2,854

The soundstage studio serves three purposes at once: a teaching space for engaged learning, a state of the art cinema production studio, and a public gathering place. Digital cinema is a medium that demands hands-on engaged learning rather than classroom lecture. As a teaching space, it's where students will learn to translate their creative visions into living, moving, vibrant imagery.

*Naming Opportunity*

**\$1,150,000**





## LOBBY

*Location:* Ground Floor/Lobby and Second Level (2 levels open)

*Program:* Shared | *Square Footage:* 2,074

Innovation begins within the vibrant lobby of UVU's Engineering Building—a hub where ground-breaking ideas are not just conceived but brought to fruition. This space fosters collaboration and ignites creativity at every turn.

*Naming Opportunity*

**\$1,000,000**



## 120-PERSON LECTURE HALL

*Location:* Ground Floor/Lobby | *Program:* Shared | *Square Footage:* 2,262

This dynamic space promises to serve as a beacon of inspiration and education. As the cornerstone of SCET's speaker series and interactive engagements, this lecture hall will host thought-provoking discussions and transformative experiences for the university and community.

*Naming Opportunity*

**\$1,700,000**

**TAKEN**





## STRUCTURAL TESTING LAB & CORR & HPU

*Location:* Ground Floor/Lobby | *Program:* Civil Engineering | *Square Footage:* 2,400

This lab is designed for testing of various members like beams, columns, and slabs at a reduced scale. It has a built-in frame and tie-down locations and has an adjacent garage door to the concrete lab to allow for projects to be brought back and forth.

*Naming Opportunity*

**\$550,000**



## CONCRETE LAB

*Location:* Ground Floor/Lobby | *Program:* Civil Engineering | *Square Footage:* 1,925

The concrete lab has the capability for students to batch and mix materials including mortar, concrete and asphalt. It has basic testing equipment for fresh and hardened properties, houses dry storage, and contains a dust room for aggregate sieving and noisy or dust-generating equipment.

*Naming Opportunity*

**\$325,000**





## MATERIALS TESTING AND STATICS & DYNAMICS LABS

*Location: Second Level | Program: Pre-Engineering | Square Footage: 3,616*

This lab has several hands-on testing devices selected to analyze the microstructure and mechanical properties of engineering materials. The space will also be scheduled for demonstrations and students to run experiments for materials-related courses, and for other projects.

*Naming Opportunity*  
**\$525,000**



## GEOTECH LAB

*Location:* Ground Floor/Lobby | *Program:* Civil Engineering | *Square Footage:* 1,263

The Geotech Lab houses equipment used to assess soil and loose media particles for such aspects as size, permeability, and consolidation/compaction. It is available for students doing research or other projects and needing to measure similar properties involving loose media particles.

*Naming Opportunity*

**\$225,000**



## HYDROLOGY LAB

*Location:* Second Level | *Program:* Civil Engineering | *Square Footage:* 1,353

This lab is used for demonstrating pipe flow, pump designs, open channel hydraulics, groundwater recharge, and rain event analysis associated with hydraulics and hydrology topics. The equipment is available for research or other water-related fluids projects.

*Naming Opportunity*

**\$250,000**





## TRANSPORTATION LAB

Location: Second Level | Program: Civil Engineering | Square Footage: 1,323

This lab will comprise computers for each student with specific software used by the transportation industry, a single driver simulator for class and research monitoring driver perception/response studies. It will also include traffic sensors and cameras to study traffic for various projects.

*Naming Opportunity*

**\$225,000**



## CONTROLS LAB

Location: Second Level | Program: Mechanical Engineering | Square Footage: 959

This lab provides students with hands-on experience in understanding the fundamental concepts of control systems. Students will learn about modeling and simulation of control systems, feedback control systems, stabilities, and controllers design in the time and frequency domains.

*Naming Opportunity*

**\$225,000**



## MECHANICAL ENGINEERING DRONE LAB

*Location:* Second and Third Level (2 level lab) | *Program:* Mechanical Engineering | *Square Footage:* 1,295

This lab provides the engineering department with the capability of precise motion tracking using a high speed camera system. Students will use this space for experiments in courses, research projects, and work related to not just drones but also autonomous vehicles.

*Naming Opportunity*

**\$275,000**





## VIBRATION LAB

Location: Second Level | Program: Mechanical Engineering | Square Footage: 926

This lab includes experiments related to free, forced, and rotational vibration. A shaker table will be included to introduce students to modal analysis and the phenomenon of resonance. The space will be used for courses, student projects, and undergraduate research.

*Naming Opportunity*

**\$175,000**



## ENVIRONMENTAL SCIENCES LAB

Location: Second Level | Program: Civil Engineering | Square Footage: 1,614

This lab has equipment for hands-on assessment of air and water quality. It will be used for courses, research, and other projects needing fume hoods, special chemical, or biological testing.

*Naming Opportunity*

**\$300,000**



## INTERACTIVE AI CLASSROOM

*Location:* Third Level | *Program:* Shared | *Square Footage:* 965

With state-of-the-art interactive technology and customizable classroom configurations, this 30-person experimental space fosters creativity and collaboration among both students and faculty. Join us in shaping the future of education in creating a dynamic environment.

*Naming Opportunity*

**\$500,000**





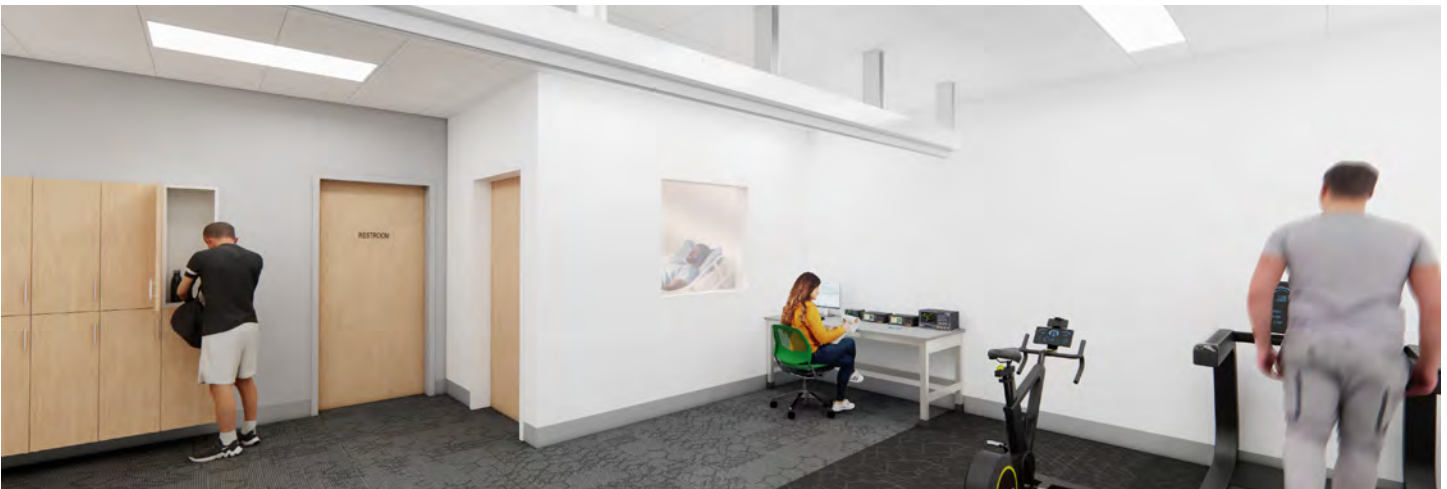
## ECE CONTROLS LAB

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 925

This lab will support teaching and research in the areas of control systems engineering. Its equipment will consist of servomotor and aerospace equipment for teaching and doing research in control systems engineering.

*Naming Opportunity*

**\$200,000**



## BIO SIGNAL PROCESSING LAB & 2 STUDY ROOMS

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 907

This lab will be used for the faculty applied research and capstones/senior projects. Projects related to virtual reality, sleep quality research, reach on human brain activities, and snoring analysis will be conducted in this lab. It contains two rooms with cameras, microphones, and beds.

*Naming Opportunity*

**\$225,000**



## IMAGE ROOM

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 361

This lab will expose students to real-time image processing using small drones, optical boards and equipment, Fourier-based boards, RGB and Thermal cameras, a working station with an oscilloscope, a function generator, AC/DC power supplies, and a digital multimeter.

*Naming Opportunity*

**\$50,000**



## MACHINE LEARNING & DIGITAL IMAGE/SIGNAL PROCESSING

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 902

This lab will provide students with hands-on experience on the applications of signal processing, filter design, convolution, and fast Fourier transform. It will be equipped with oscilloscopes, function generators, AC/DC power supplies, digital multimeters, and cameras.

*Naming Opportunity*

**\$200,000**





## ADVANCED DESIGN AREA

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 957

The area supports all of electrical and computer engineering's high value equipment that requires faculty supervision to use, is related to a grant, or uses special power. This is to protect the safety and integrity of the equipment and insure its longevity.

*Naming Opportunity*

**\$175,000**



## PROTOTYPING

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 623

This lab supports all ECE students and is equipped with soldering equipment, 3D printing equipment, PCB printing and more. Students are encouraged to use this area at their leisure to study or complete any other projects.

*Naming Opportunity*

**\$125,000**



## MICRO ELECTRONICS

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 1,605

This lab is equipped with state-of-the-art instruments and tools for designing, handling, testing, and analyzing microelectronic devices and circuits. It also supports research and development activities in the field of microelectronics, as well as education and training of students and professionals.

*Naming Opportunity*

**\$500,000**





## CIRCUITS & ELECTRONICS

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 1,326

This lab will be used for both computer engineering and electrical engineering programs. It will be equipped with oscilloscopes, function generators, AC/DC power supplies, digital multimeters, and soldering irons.

*Naming Opportunity*

**\$350,000**

**NEGOTIATING**



## COMMUNICATIONS & MICROWAVE ENGINEERING

*Location:* Third Level | *Program:* Electrical and Computer Engineering | *Square Footage:* 1,366

This lab will support teaching and research in the areas of communication and electromagnetics. Its equipment will consist of RF signal generators, spectrum analyzers, network analyzers, oscilloscopes, digital multimeters, function generators, software-defined radios, antennas, NI communications teaching boards, and an echoic chamber.

*Naming Opportunity*

**\$275,000**

**NEGOTIATING**



## DEAN SUITE

*Location: Fourth Level | Program: Administrative | Square Footage: 5,500*

The prestigious dean's suite in UVU's new engineering building is where visionary leadership meets innovation and academic excellence.

*Naming Opportunity*

**\$1,000,000**

**TAKEN**





## VIRTUAL REALITY

*Location:* Fourth Level | *Program:* Computational Data Science | *Square Footage:* 861

This lab will support teaching and research in the areas of data science visualization, virtual reality and augmented reality in two, three, and four dimensions and image processing. Its equipment will consist of AR/VR headsets, cable and power routing features, and VR-capable computers.

*Naming Opportunity*

**\$200,000**



## SECURITY

*Location:* Fourth Level | *Program:* Computer Science | *Square Footage:* 1,495

This lab will support teaching and research in the areas of cybersecurity and networking, with a focus on secure application programming. It will support malware and vulnerability detection and mitigation, fixing security holes in software, and security-related hackathons.

*Naming Opportunity*

**\$350,000**



## SOFTWARE ENGINEERING

*Location:* Fourth Level | *Program:* Software Engineering and Computer Science | *Square Footage:* 1,243

This lab will support teaching and research in the areas of large-scale, enterprise-level software in all phases of the software development lifecycle, user experiences, and software team-oriented organizational behavior.

*Naming Opportunity*

**\$150,000**



## PRIVATE DINING

*Location:* Fourth Level | *Program:* Culinary Arts Institute | *Square Footage:* 426

Situated within the restaurant atop the new engineering building, this exclusive space offers unparalleled views of Utah Valley all with a private dining experience. Your support will empower our students to achieve culinary excellence and enrich the lives of countless diners.

*Naming Opportunity*

**\$150,000**





## RESTAURANT

*Location:* Fourth Level | *Program:* Culinary Arts Institute | *Square Footage:* 4,994

Occupying over 4,000 square feet with both indoor and outdoor dining areas, the new UVU restaurant will be situated atop the new engineering building. As a cornerstone of the UVU Culinary Arts Institute, it will showcase cuisine prepared by culinary arts students.

*Naming Opportunity*  
**\$3,375,000**



## NETWORKING

*Location:* Fourth Level | *Program:* Computer Science | *Square Footage:* 1,580

This lab will support teaching and research in the areas of fundamental networking and communication protocols. Its equipment will include servers and computers with specialized software. Several large screens will support team-oriented collaborative and competitive activities.

*Naming Opportunity*

**\$425,000**



# ***Thank You***

for considering an investment in the  
UVU Smith College of Engineering & Technology







For more information, please contact:

***Stefan Harlan***

Assistant Dean, Advancement  
Smith College of Engineering and Technology  
801.678.0110  
[Stefan.Harlan@uvu.edu](mailto:Stefan.Harlan@uvu.edu)



ever**INNOVATIVE**  
ever**EVOLVING**  
ever**ACHIEVING**



**EVERGREEN**  
UVU