The Advanced Engineering Building will enable UNLV to meet skyrocketing enrollment demand in engineering and support a highly skilled workforce that is integral to Nevada’s economic recovery. As UNLV’s fastest-growing college, the Howard R. Hughes College of Engineering needs modern spaces suited to meet current and future student and research demands.

**Building Highlights**

The three-floor, 52,000 sq. ft. Advanced Engineering Building will feature classrooms, research labs for students and faculty, student study and “maker” spaces, and office space.

TOTAL PROJECT COST: $66.2M

**Fueling Nevada’s Innovation Workforce**

The Advanced Engineering Building will highlight emerging technologies to address current and future challenges in energy and water resources, big data, cybersecurity, and robotics.

What it means for Nevada:

**ECONOMIC IMPACT:** More than 60 percent of UNLV’s engineering graduates stay right here in Nevada. Their skills help grow existing business, attract new industry and business, and diversify the state’s economy.

**ENROLLMENT GROWTH:** The building will enable UNLV to expand engineering enrollment from 3,000 to 5,000 by 2030, expand research, and graduate more highly skilled workers.

**CLOSING THE GAP:** Comparable engineering colleges have significantly more space – ranging from 17 to 213 percent more - than UNLV. The Advanced Engineering Building will help close this gap and make UNLV a competitive choice for top students and researchers.

**IMPROVING ACCESS:** Nearly half of UNLV’s engineering students are the first in their family to attend college, and more than 75 percent are from Nevada high schools. More space means greater access for future Nevada engineers.
Engineering on the Rise at UNLV
Explosive growth in engineering at UNLV is evident across the board – from the number of students and graduates to research productivity and industry partnerships. Through academic and research partnerships, the college is producing graduates and generating knowledge vital to core industries in Nevada and nationwide. These include gaming, technology, water, energy, robotics and manufacturing, construction, and transportation infrastructure.

- Undergraduate enrollment in engineering has grown by 75 percent since 2009, and by 20 percent since 2015.
- Enrollment in computer science has nearly tripled over the past decade, and in March 2020 a master’s program in cybersecurity was approved.
- UNLV’s engineering faculty size has grown by 50 percent in the last decade, with competitive research awards nearly tripling to $14M.
- The college’s growing research productivity is integral to UNLV’s Carnegie R1 “very high research activity” classification, the nation’s gold standard for research productivity.

Recent College Highlights:
- The UNLV Cybersecurity Center was designated a National Center for Academic Excellence in Cyber Defense Education by the National Security Administration and Department of Homeland Security.
- UNLV was one of just four universities selected by Lockheed Martin to assist with space exploration projects, including the NASA Orion project that will eventually take humans to Mars.
- The innovative Entertainment Engineering & Design program is a partnership with Fine Arts that blends the technical skills required of engineers with the artistic sensibilities of the fine arts, educating future employees in the entertainment and hospitality industry.
- UNLV is one of just 11 universities worldwide chosen to compete in the 2020 U.S. Department of Energy Solar Decathlon, where a team of students and faculty will design, build, and test an affordable solar-powered home to serve as a place of healing and respite for military veterans.

ABOUT THE UNLV HOWARD R. HUGHES COLLEGE OF ENGINEERING
Founded in 1988, the college has more than 75 faculty educating 3,000 students who will be the engineers of Nevada’s future. The college offers eight undergraduate degrees and 13 graduate degree programs within its departments of Computer Science, Electrical & Computer Engineering, Mechanical Engineering, and Civil & Environmental Engineering and Construction.