

# BUILT TO INNOVATE

## **PSYCH SUITE**

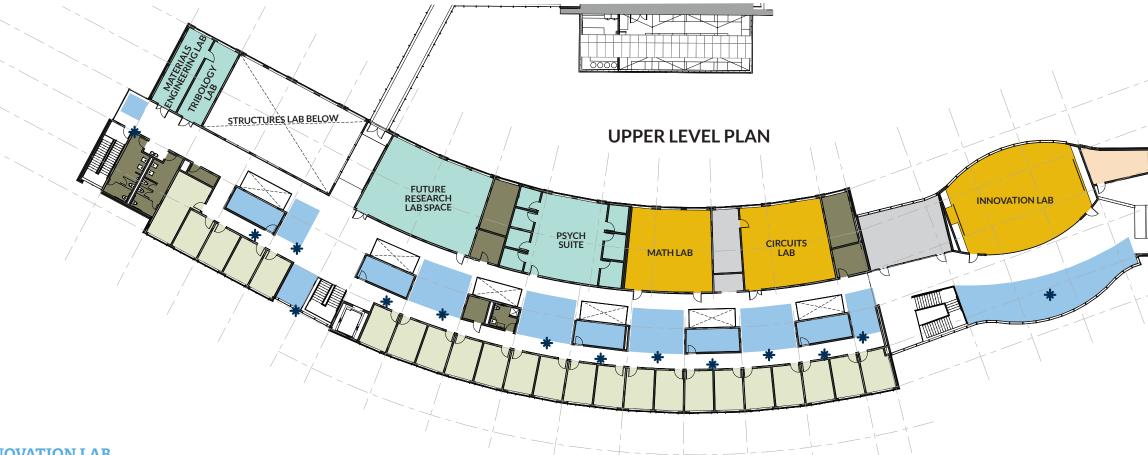
- The Operant Choice Lab fostering collaboration between psychology and electrical and computer engineers focusing on psychological choice vulnerabilities in cybersecurity and more
- Positive Emotion and Social Behavior Lab researching personal well-being outcomes and the psychology of gratitude
- Cultural Psychology Lab studying psychological consequences of marginalization due to globalization, attitudes toward climate change and public health research

## **MATH LAB**

- Researching electrical impedance tomography (used for a new type of medical imaging)
- Modeling trees blowing in the wind, algebraic genetics and graph theory (with applications in computer science)
- · Studying knot theory, statistical analysis of repeated measurements on each subject (in collaboration with local hospitals) and understanding how individual differences affect overall population dynamics

• Uncovering the fundamentals of surfaces in

- Engaging in fundamental studies of fiber
- Exploring new manufacturing technologies of interpenetrating polymer network adhesives





Computing & Accreditation

All SEAS undergraduate programs are accredited by ABET

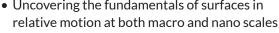
## **INNOVATION LAB**

- Fostering innovation and entrepreneurship in senior design and undergraduate research projects
- Promoting collaboration with industry professionals and entrepreneurs



• Demonstrating the fundamentals of electronic circuit elements and networks to mechanical, electrical, computer engineering and engineering management students





• Developing advanced coatings for aerospace applications and hydrogel-based bearing materials as candidates for advanced prosthesis



- reinforced polymer composites





79K
NEW STEM JOBS IN
WASHINGTON BY 2030

STRUCTURES

STEM STUDENT

**CONSISTENTLY SUPPORTED** 

BY NATIONAL SCIENCE FOUNDATION, M.J. MURDOCK CHARITABLE TRUST, AVISTA CORP. SEAS RANKED IN
TOP 10% / 23RD BEST ENGINEERING
PROGRAM NATIONWIDE

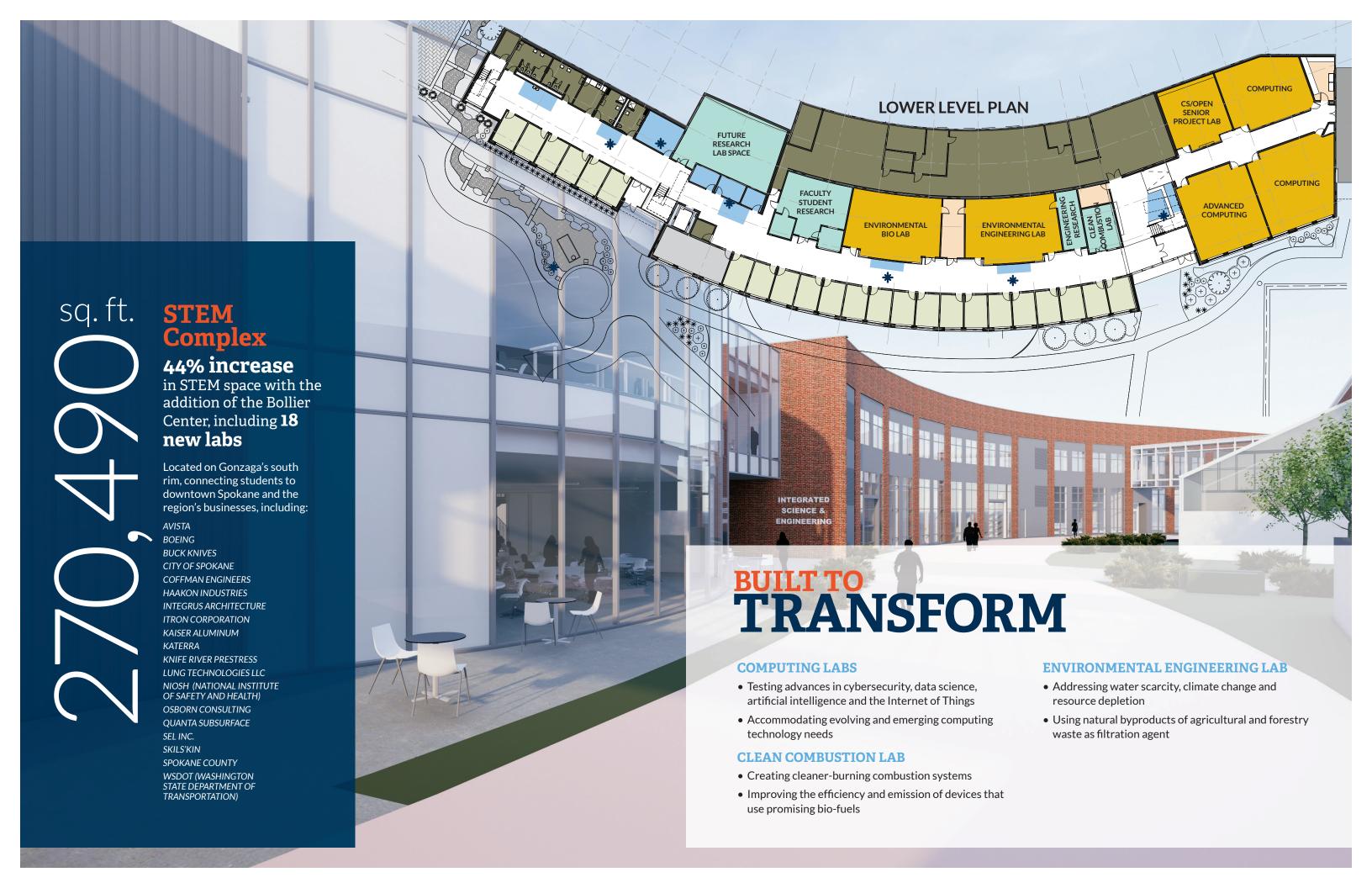
(FOR NON-DOCTORAL ENGINEERING SCHOOLS)

**GROUND LEVEL PLAN** 

STUDENT PROJECTS DRY LAB NNOVATION STUDIO

## **BUILT TO ENGAGE**

## STRUCTURES LAB STUDENT PROJECT WET/DRY LABS • Expanding the capability for full structural Providing specialized areas for distinct project needs: and material testing of a scale that enables • Dry lab — enabling continuous testing of projects in collaboration with a non-moisture setting area businesses • Wet lab — allowing for water and related projects to • Reducing the embodied carbon footprint in function within a proper setting construction materials **ELECTRONICS STUDENT PROJECTS LAB DYNAMICS & VIBRATION LAB** • Allowing electrical and computer engineering • Uncovering the mechanics of complex systems students to conduct unstructured activities that move • Promoting divergent aspects of engineering design • Conducting vibration tests on large frames and and applying existing technologies in new ways structures to test their fatigue life **INNOVATION STUDIO** • Engaging students in introductory, hands-on engineering activities · Sparking innovation through design challenges



# **GIVING OPPORTUNITIES**

### **NAME A SPACE**

Naming opportunities start with faculty offices at \$50,000, and classrooms, labs and suites ranging from \$100,000 to \$1 million.

## EQUIPMENT, LAB MATERIALS, AND RESEARCH SUPPORT

Fund the tools, technology, and materials essential to a cuttingedge learning environment for today's STEM students.

## **ZAG NATION CLASSROOM**

A community-funded classroom that represents the collective power of giving at all levels.

## **WAYS TO GIVE**

- Cash, check, credit/debit
- Pledges with payment schedules up to five years
- Appreciated stocks & bonds
- IRA Rollover (age 70 ½)
- Donor Advised Funds
- Corporate Matching Gifts
- ...and more

Contact your University Advancement representative for details.



Visit gonzaga.edu/ISE to learn why and how this space is being built for all.



