

## Research at GCU

COLLEGE OF SCIENCE, ENGINEERING & TECHNOLOGY

**GRAND CANYON UNIVERSITY** is a doctoral/professional university (Carnegie Classification) that supports and promotes a wide array of student and faculty research. Aligned with the Boyer Model of Scholarship, GCU embraces the scholarship of

- 1. Teaching and learning
- 2. Integrative community-based endeavors
- 3. Applied scholarly initiatives
- 4. Innovative discovery research

Our thriving research community includes faculty scholars, emerging doctoral student researchers, industry partnerships and a wide range of collaborative undergraduate faculty-student research teams. We support faculty scholarship across all domains with a particular emphasis on the scholarship of teaching and mentoring student curiosity. This integrated approach reflects our commitment to both student learning and our growing scholarly community.

To promote scholarly inquiry, GCU hosts laboratory and simulation equipment, dedicated support for grant-funded and industry-sponsored research and opportunities to apply newly gained knowledge to serve others in ways that promote human flourishing.

The university publishes five peer-reviewed, academic journals per year to advance the scholarship of teaching and learning, reflective practice, community engagement and biblical studies. GCU has an emerging, vibrant undergraduate research culture. Student research is integrated into curricular and co-curricular activities to encourage hands-on, authentic research experience. Examples of student research engagement include:

- Publication of scholarly endeavors in the peer-reviewed Canyon Journal of Undergraduate Research (CJUR)
- Faculty-mentored, applied research experiences in the Research and Design Program (RDP)
- Discipline-specific, undergraduate capstone courses in engineering, technology, science, social science and marketing
- Participation in Lopes Live Labs (L3s) at 40+ locations on campus that bring learning to life, including the following exemplars:
  - Cyber Center of Excellence
  - o Cadaveric Dissection Lab
  - BioMedical Device Lab
  - $\circ$  Athletic Training Lab
  - **Nursing Immersive Simulations** that offer students the opportunity to participate in hands-on, experiential learning

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