

Doctor of Philosophy in Applied Life Sciences

PhD

KGI's PhD in Applied Life Sciences provides students with expertise in research areas relevant to applied biosciences. Using state-of-the-art interdisciplinary tools and approaches to solve problems, students use the knowledge they gain through this degree program to advance new horizons in the applied biosciences.

Highlights



Strong foundation

Draw upon a unique interdisciplinary and applied educational foundation through continued studies and applied research.



Original research

Gain competence in the methods of scientific inquiry by conducting and communicating original research for their theses.



Translate discoveries

Become adept in the translation of science and engineering discoveries into products and processes that benefit society.



About the program

KGI's PhD program enriches students' experiences in both science and business aspects of the bioscience industry, making them unique among the graduate pool. All applicants must have completed a master's degree focused on applied life sciences. Completion of the PhD Program is anticipated to require at least an additional three years of full-time study beyond the master's degree with the possibility for extension depending on the particular research project.

Graduates of KGI's PhD program are expected to:

- Apply rigorous research methodologies to original, independent experimental, theoretical, and/or computational work in applied bioscience.
- Develop both a broad understanding of current scientific advances and mastery in an area of interdisciplinary science of relevance to applied bioscience sufficient for conducting original research.
- Understand the translation of basic science and engineering discoveries into products and processes, which benefit society.
- Adhere to ethical principles in research, development, and business issues inherent in the bioscience industries.



KGI offers two tracks in PhD

Traditional track

The student is conducting PhD studies on KGI premises under supervision of Henry E. Riggs School of Applied Life Sciences or School of Pharmacy and Health Sciences faculty. To foster interdisciplinary research, the student may have one or more research advisors. One advisor must be a KGI faculty member; additional advisors may be from collaborating institutions.

Industry-Sponsored track

The student is sponsored by a biotechnology or pharma company. This track involves the student conducting studies at the company site and periodically visiting KGI. In addition to the company research advisor, the student must be supervised by a KGI faculty advisor.

How to apply

Dates and deadlines

Start terms: Fall

Application deadline: December 15 (priority), final deadline: February 28

Prerequisites:

- Two-year master's degree with experiential learning and professional development components

Application requirements:

- Completed online application
- Personal statement
- Resume
- Letter of recommendation
- Transcripts
- English language proficiency (TOEFL, PTE, IELTS, iTEP)
- \$75 non-refundable application fee
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Admission interviews:

- Phone
- Virtual
- On-campus

Admitted students are required to submit a \$400 non-refundable enrollment fee to hold their spot in the program.



Contact us

Keck Graduate Institute

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📄 For more information, please visit kgi.edu/phd