HENRY E. RIGGS SCHOOL OF APPLIED LIFE SCIENCES

Master of Science in Applied Life Sciences

MS

The two-year MS program was created to prepare students for successful careers in translational, clinical, and public health research and management. The program aims to teach individuals to translate discoveries made through science and health-based research into medical and scientific innovations useful to the world at large. It emphasizes specific training in translational, clinical, and public health research skills and a deep understanding of the context within medical science is translated for societal benefit.

About the Program

The two-year MS program prepares students for a successful lifelong career in translational, clinical, or public health research and management, combining rigorous graduate-level courses with a year-long research thesis project. Graduates are uniquely positioned to excel in a variety of careers addressing the critical and managerial needs of biotechnology and pharmaceutical companies, clinical and academic laboratories, and public health and doctoral research. Students in the MS program complete courses in core science, professional development, management, advanced technical topics, and a capstone project. Students also focus their studies further by selecting one of four concentrations.

MS Concentrations

- Translational Research Thesis
- Clinical Research Thesis
- Public Health Research Thesis
- Team Master’s Project
- Infectious Diseases

What sets KGI’s MS apart from other master’s programs?

- Life science industry focus
- Applied translational course work and research
- Clinical research, shadowing, and mentorship
- Research in current public and community health issues
- Professional development opportunities, including physician shadowing and healthcare speaker series
- Real-life company sponsored team projects
What can I do with this degree?

Top potential occupations:

- Research & development
- Clinical trial manager
- Medical & health services
- Clinical operations manager
- Natural sciences managers
- Disease investigator
- Clinical research coordinators
- Environmental scientist
- Technical writers
- Epidemiologist
- Microbiologist

As the program combines rigorous graduate-level courses with a year-long biomedical or clinical research project, it is a stepping stone to doctoral degrees such as MD, DO, PhD, or PharmD.

Learning Outcomes

Science and research skills

- Perform hypothesis-driven research
- Evaluate research design and methodology
- Analyze and report data results
- Assess literature and identify knowledge gaps
- Translate scientific discoveries into products that benefit society

Communication and teamwork

- Communicate effectively with industry leaders
- Contribute productively on an interdisciplinary team

Ethics

- Adhere to ethical principles in research, development, and business issues inherent in the bioscience industries

Employer demand for clinical and translational science professionals nationwide grew by 35% between 2013-2017 and is projected to grow from 2017 to 2026, faster than the average for all occupations.

How to Apply

Dates and Deadlines

Start Terms: Fall

Application Deadline: December 15 (priority), rolling admissions thereafter

Application Requirements

An online application form is required that contains questions about your personal and educational background. Additional requirements can be submitted along with your online application or separately:

- Personal Statement
- Resume
- Letter of Recommendation
- Transcripts
- Standardized Test Scores (GRE, MCAT, or GMAT)
- English Language Proficiency (TOEFL, PTE, IELTS, iTEP)
- $75 non-refundable application fee

Admission Interviews: A phone, Skype, or on-campus interview is a requirement for admission. The Office of Admissions schedules individual interviews after an application is complete.

Application Review: The Admissions Committee is made up of faculty and senior administrators who will thoroughly and conscientiously review each application.

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

Contact Us

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