

**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.



**TEAM COLLABORATION**

Learn to communicate effectively and work productively in cross-functional teams



**REAL-WORLD DISCOVERIES**

Translate scientific discoveries into products and processes that benefit society



**RESEARCH EXPERTISE**

Gain skills in research design and methodology, analyzing and reporting results

### 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 Research Thesis
- Bioprocessing Research Thesis



**What sets KGI's MS apart from other master's programs?**

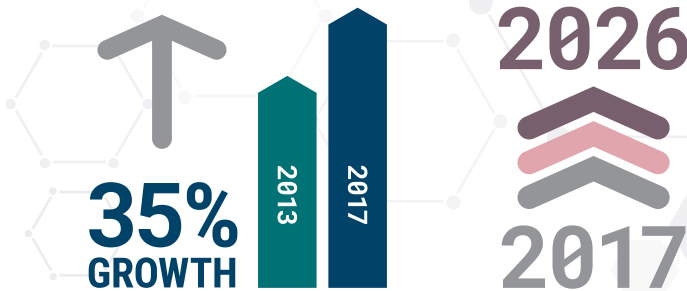
- Life science industry focus
- Applied translational course work and research
- Clinical research, shadowing, and mentorship
- Research in current public and community health issues
- Professional development opportunities, including physician shadowing and healthcare speaker series
- Real-life company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

## What can I do with this degree?

### Top potential occupations:

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



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.

### 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

## 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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