

Master of Science in Applied Life Sciences

MS

The two-year MS degree program prepares students for successful careers in translational, clinical, and public health research and management. This program aims to teach individuals to translate discoveries made through science and health-based research into medical and scientific innovations. Students will be provided with intensive instruction in translational, clinical, and public health research, fostering a comprehensive comprehension of how these facets are applied within the realm of medical science.

Highlights



Research expertise

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



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

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

- Life science industry focus
- Applied translational coursework 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



About the program

The two-year MS program prepares students for a successful career in translational, clinical, or public health research and management, combining rigorous 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 six concentrations.

MS Concentrations

- Translational Research Thesis
- Clinical Research Thesis
- Public Health Research Thesis
- Team Master's Project
- Infectious Diseases Research Thesis
- Bioprocessing Research Thesis
- Community Medicine
- Regulatory Affairs

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.



35% Growth

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 scientific 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

- Learn about the ethical principals facing research, development, and business issues inherent in the bioscience industries, and how to adhere to them in your future work.

How to apply

Dates and deadlines

Start terms: Fall

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

Application requirements:

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

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

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📍 For more information, please visit kgi.edu/ms