The MEng program is an intensive two-year program housed within the Amgen Bioprocessing Center (ABC) at KGI. The program is designed to train students to become bioprocess engineering professionals employed within the biopharmaceutical industry. Students will gain these skills via interactions with industry experts, practical sessions, professional trainings, internships, individual and team projects, independent and industry-led research projects, and traditional seminars and lectures.

**About the Program**

The MEng program is an intensive two-year program housed within the Amgen Bioprocessing Center (ABC) at KGI. The program is designed to train students to become bioprocess engineering professionals employed within the biopharmaceutical industry.

**Year 1**

- Core and prerequisite courses are combined to build basic skills in biopharmaceutical processing
- Foundational knowledge varies depending on a student's first degree
- Courses combine industry seminars, lectures, presentations, and hands-on projects

**Summer**

- Students choose one of the following options:
  - Paid Industry Internship
  - Team Master's Project (TMP)
  - Study Abroad
  - Independent Research

**Year 2**

- Courses designed to give students real-world skills and training in the biopharmaceutical industry
- Advanced technical, management, and professional skill development courses
- Team Design Project to create an innovative solution to a bioprocess engineering design challenge

**MEET THE DEMAND**

The MEng program educates students to meet industry needs for a skilled workforce in biologics.

**HANDS-ON LEARNING**

Students benefit from small classes and active learning through summer internships and co-op options.

**INDUSTRY CONNECTION**

Opportunities to develop a powerful network of senior academic and industry experts.

**Team Design Project | TDP**

All second year MEng students complete the capstone TDP, which provides students with real-world experience of taking a drug molecule candidate to a pharmaceutical therapy. Students work in teams to design a complete biomanufacturing process capable of producing commercial quantities of a drug substance or product. Teams are supervised by a panel of academic and industry experts. Each team works on a separate design project based on bioindustry best practice, methods, and techniques. At the end of the academic year, students present a report of their work.
What can I do with this degree?

Career Options

• Process development scientist and engineer
• Regulatory scientist
• Manufacturing science and technology (MS&T) specialist
• Upstream—cell culture specialist
• Downstream—purification specialist
• Technology innovation specialist
• Project management
• Product and portfolio management
• Process design engineer
• Process technology transfer and process validation specialist

How to Apply

Dates and Deadlines

Start Term: 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.

Top Companies of MEng Graduates

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<tr>
<th>Top Companies of MEng Graduates</th>
<th>Amgen</th>
<th>Kite Pharma</th>
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<tbody>
<tr>
<td>Atara Biotherapeutics</td>
<td>Amgen</td>
<td>Kite Pharma</td>
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<tr>
<td>Allogene Therapeutics</td>
<td>Amgen</td>
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<td>Berkeley Lights</td>
<td>BioMarin Pharmaceutical</td>
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<td>Boehringer Ingelheim</td>
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<td>Cell Care Therapeutics, Inc.</td>
<td>FDA</td>
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<td>GE Healthcare</td>
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<td>GenVivo, Inc.</td>
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<td>Teva Pharmaceutical Industries</td>
<td>Zoetis</td>
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