

## How to Apply

To apply, please complete the application online at [gradapply.osu.edu](http://gradapply.osu.edu). You'll need to upload the following with your application:

- **Transcripts:** Official scanned copies of transcripts from all post-secondary institutions.
- **Statement of Purpose:** A concise, focused statement which discusses your goals, plan of study, suitability for graduate school, strengths, achievements, extracurricular activities, etc.
- **Resume or CV:** This should summarize your background and be two pages or less.
- **Three letters of recommendation:** You will be prompted to enter the email addresses of three recommenders, who will each be automatically emailed with instructions on how to submit their online reference.
- **Official TOEFL scores:** Institution code 1592; no department code needed.



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**THE OHIO STATE  
UNIVERSITY**  
COLLEGE OF ENGINEERING

## Application Deadlines

PhD Applications	Spring Semester	Autumn Semester
Domestic	October 1st	November 30th
International	October 1st	December 15th

Please note that ALL materials must be submitted and received by the application deadlines listed.

All Ph.D. students in the department receive financial support (Fellowships, GRA, GTA) which includes a full tuition waiver and a competitive monthly stipend - a total package worth well over \$50,000 per year.



William G. Lowrie Department of  
Chemical and Biomolecular Engineering  
310 Koffolt Laboratories  
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Columbus, OH 43210-1350

Graduate Program Information



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# William G. Lowrie Department of Chemical and Biomolecular Engineering

## About the Department

As one of the oldest chemical engineering programs in the country, the William G. Lowrie Department of Chemical and Biomolecular Engineering has a long history of excellence in both undergraduate and graduate education.

The department has 24 tenure-track professors, several emeritus faculty, 100 graduate students, 900 undergraduate students, and more than 5,000 alumni. Our faculty prepare students well for a career in academia or industry with an exciting breadth of opportunities and a personalized experience within a department that offers a “family” feel. Nearly all of our students have their first choice of advisors. Our goal is to become one of the top ten chemical engineering research and education departments in the country.

## Quick Links

- [cbe.osu.edu](http://cbe.osu.edu)
- [engineering.osu.edu](http://engineering.osu.edu)
- [www.gradsch.ohio-state.edu](http://www.gradsch.ohio-state.edu)

## About the Program

Our graduate program provides opportunities for intensive course work, research and teaching experience. Alumni of the program are in high demand in both industry and academia.

The research program offers a solid foundation in both theoretical and applied aspects of chemical engineering. We offer outstanding research programs in many cutting-edge technology areas, and the department is home to several consortia and interdisciplinary research centers.

Students enjoy unique opportunities to interact and work with top scientists from first-rate research centers and institutes on campus and around Ohio, such as the Center for Emergent Materials, the Comprehensive Cancer Center, Heart and Lung Research Institute, Cleveland Clinic Foundation, Institute for Materials Research, Center for Automotive Research, Mathematical Biosciences Institute, Nanotech West Lab, Sustainability Institute, and more.

## Research Priorities

- Applied molecular biology
- Bioengineering/biotechnology
- Colloids/aerosols/particle technology
  - Fluid mechanics/multiphase flow
- Molecular thermodynamics/molecular simulation
- Polymers/nanomaterials/membranes
  - Process systems engineering
  - Reaction engineering/catalysis
- Sustainability, Energy, Environment

*Over the past five years, our research expenditures have averaged \$8 million per year.*

## About Columbus

The Ohio State University is in the state capital of Columbus, Ohio. As the nation's 14th largest city, Columbus invites and embraces cultural and economic diversity, and has all the big-city amenities and opportunities that one would expect. Despite its size, Columbus is friendly, has a small-town feel, is affordable (cost of living 8% below the national average), and is easy to get around in (and park!).

Nestled on the Scioto River, Columbus is bicycle-friendly, with sleek high-rises and century-old buildings, distinctive neighborhoods, eclectic shopping and market districts, beautiful green, open spaces and dozens of parks. The area offers a vibrant quality of life, with a thriving arts and music scene, festivals, museums and science centers, great restaurants, a bustling nightlife, abundant water and other recreational activities, college football, pro hockey, soccer, and access to top-rated medical facilities. A broad range of numerous other attractions are near by. Columbus's central location puts it within a day's drive of 50% of the U.S. population.



*Campus Gateway, a popular nightlife destination for students, features a movie theater, restaurants and art gallery.*

Visit the following for more area info:

- [go.osu.edu/ExperienceColumbus](http://go.osu.edu/ExperienceColumbus)
- [go.osu.edu/CityofColumbus](http://go.osu.edu/CityofColumbus)
- [go.osu.edu/ColumbusFacts](http://go.osu.edu/ColumbusFacts)
- [go.osu.edu/OhioUnionEvents](http://go.osu.edu/OhioUnionEvents)
- [go.osu.edu/LiveWorkPlayInColumbus](http://go.osu.edu/LiveWorkPlayInColumbus)

