



Case Western Reserve University School of Medicine

# Master of Science in Translational Pharmaceutical Science

Learn what it takes to bring a drug to market—transforming basic scientific research into clinical discoveries that will directly impact patients—with a Master of Science in Translational Pharmaceutical Science (MSTPS) from Case Western Reserve University School of Medicine, a top-16 medical school in the U.S.

## Design a Curriculum for Your Career Path

In our program, we'll prepare you for a variety of career trajectories in the growing pharmaceutical industry. Our interdisciplinary curriculum will provide the background and skills you need with courses in our School of Medicine, Case School of Engineering, School of Law and Weatherhead School of Management. You'll take core courses focused on the foundational principles of the pharmaceutical industry, and your faculty advisor will help you select elective courses addressing three important focuses or areas of this industry, depending on your career goals:

- Pharmacology and Drug Discovery
- Pharmaceutical Business and Law
- Biostatistics and Bioinformatics

Round out your education with events such as the Department of Pharmacology Seminar Series and annual retreat to collaborate with your peers to develop essential skills in communication, leadership, mentoring, and more.

## Program Structure

### Required Coursework

#### 12 Credit Hours

- Principles of Pharmacology
- Contemporary Approaches to Drug Discovery
- Clinical Trials and Intervention Studies
- Frontiers in Pharmacology
- Leadership and Professional Development Skills for Biomedical Sciences

### Elective Coursework

#### 12-15 Credit Hours

### Culminating research or internship experience

#### 3-6 Credit Hours



## To Apply, You'll Need:

- Online application, including a statement of scholarly purpose
- \$50 application fee
- Bachelor's degree from an accredited institution (either already complete, or will be complete before you enroll)
- Unofficial transcripts
- Current resume/CV
- Three letters of recommendation
- Interview (on-campus or virtual)
- International applicants: Results of TOEFL, IELTS or PTE
- A personal statement focused on career aspirations

## By the Numbers

**#1** medical school  
in Ohio

**top 16** medical school  
for research

*U.S. News & World Report*

**18<sup>th</sup>** university for  
contributions to  
innovation

*Nature Index Innovation*

## Why Case Western Reserve University?

At CWRU, we're driven to educate and make an impact in our community through research, innovation and collaboration. We pride ourselves on having not just one, but "five campuses" through our partnerships with local, world-class hospital systems: Cleveland Clinic, University Hospitals, MetroHealth Systems and Louis Stokes Cleveland VA Medical Center. As a School of Medicine student, you will gain firsthand experience in clinical and research settings and build a network for your future career. And, you'll join a culture of innovation. Our campus has been home to numerous medical advances, from the first CPR course to the creation of the first artificial chromosome.



Ready to learn more? Contact us at [mstps@case.edu](mailto:mstps@case.edu).

[case.edu/medicine/pharmacology/mstps](https://case.edu/medicine/pharmacology/mstps)



**CASE WESTERN RESERVE  
UNIVERSITY**  
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