

# Master of Science in Regenerative Medicine and Entrepreneurship

Be a Part of Something Groundbreaking!



Regenerative medicine is at the cutting edge of medical innovation—and that's precisely where your education should be, too.



CASE WESTERN RESERVE  
UNIVERSITY  
School of Medicine



# Master of Science in Regenerative Medicine and Entrepreneurship

In Case Western Reserve University's Master of Science in Regenerative Medicine and Entrepreneurship program, you'll learn from internationally renowned leaders who have pioneered foundational discoveries in the field and patented new treatments to improve longevity of life. You'll take classes in our state-of-the-art clinical and research facilities, including the National Center for Regenerative Medicine housed right on campus.

**Our program—the first of its kind in Ohio—is among the only interdisciplinary programs in the United States to balance stem cell therapy with the entrepreneurial and legal skills you'll need to stay competitive in a rapidly evolving industry.**



To bolster your academic and professional journey, you'll work with mentors from the time you first express interest in the program through graduation, with attentive faculty and staff members supporting you every step of the way.

## Curriculum that Fits Your Goals

Our 30-credit-hour master's program is tailored to your academic goals, allowing you to build skills in medical research and entrepreneurial business while learning about stem cell therapy and the medicine of longevity.

You'll have the option for **full-time study** with the possibility of completing the program in **one academic year** or **part-time study at your pace**.

You'll begin the program focusing on the core curriculum and foundational elements in **stem-cell biology, biomaterial engineering, medical product development, federal regulations, bioethics, and bringing discoveries to market**. Beyond those core courses, you'll have flexibility in your classes to individualize your studies and then hone your focus in an industry internship or hands-on laboratory research.

**By the end of your program, you will be trained in academic, commercial, and clinical settings to support cellular manufacturing, biotechnology innovation, legal compliance, financial analysis, venture capital, and business development activities.** Your education will take advantage of our strengths across the disciplines of regenerative medicine as a whole to prepare you for the future of a dynamic and developing career field.



# Opportunities for Learning are Endless

From day one, you'll be immersed in a career-focused academic environment through invaluable guest lectures and industry exposure, hands-on internships and clinical research experiences.

In addition to an entire department dedicated to helping you secure career exploration opportunities across the country, you'll work with a mentor to ensure successful completion of the course of study and to support your individual career development goals.

You will develop the technical and problem-solving skills most in demand by employers in this field, as well as soft skills critical to your professional development, including emotional intelligence, teamwork, communication, creativity and cultural awareness.

**5:1**  
student-to-faculty ratio

**10-15**  
students accepted each year



**#1**

medical school  
in Ohio for research

*U.S. News and World Report*

CWRU is the only institution in Ohio to offer courses in regenerative medicine, and it's also home to the National Center for Regenerative Medicine, a leading platform for conducting translational research and connecting associated institutions around the world.

**Potential career outcomes and fields include:**  
Executive, Tissue engineering, Cellular therapy, Medical sales, Gene therapy, Biologic-device combustion products, Scientist, Postdoctoral scholar, Clinical research, Professor, Biotechnology Professional, Human tissue

**#25**

medical school in  
the nation for  
research *U.S. News  
and World Report*

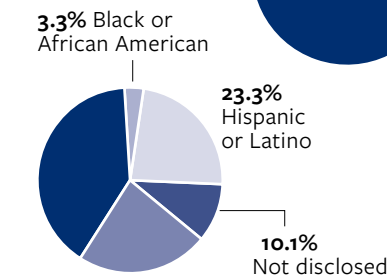


## Previous Cohorts

Our program attracts students from across the country and around the world with many different academic backgrounds.

Age range:

**22-50**



**Undergrad majors:**

- Pediatric Critical Care
- Electrical Engineering
- Biology
- Microbiology
- Biotechnology
- Biomedical Sciences
- Pre-Med
- Communications
- Natural Sciences
- Human Biology

RGME is part of the CWRU Fusion program, offering courses through the **School of Law, School of Engineering, and Weatherhead School of Management**. By taking specific electives, students have the opportunity to complete a professional certificate in addition to their MS degree.



Work closely with nationally ranked health systems, medical providers and employer partners, including:

**Abeona Therapeutics LLC, Athersys Inc., BioEnterprise, CavoGene LifeSciences, Cleveland Clinic, Forge Biologics, Glendor Inc., MetroHealth, Ohio Stem Cell Treatment Center, University Hospitals**





# About Case Western Reserve University

A member of the Association of American Universities (AAU), Case Western Reserve is an urban research university distinguished for its excellence across a range of disciplines and approaches. The university is among the nation's:

Top  
25

medical  
schools

*U.S. News &  
World  
Report, 2021*

Top  
15

in commercialization  
of research

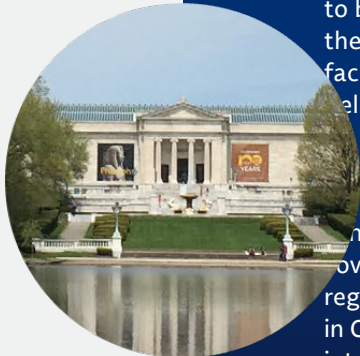
*Brookings  
Institution*

Top  
20

in  
innovation

*Nature Index  
Innovation*

Case Western Reserve is also home to the **Dittrick Medical History Center** and sits within **University Circle**, a one-square-mile district that features the **Cleveland Museum of Art**, **Cleveland Museum of Natural History**, **Cleveland Orchestra** and **Uptown**—a dining, retail and residential development that has won high praise from *The New York Times*, among other media.



"After two classes, it became clear how well connected the Regenerative Medicine and Entrepreneurship program is to the full array of experts in the field. Each week, a different scientific, regulatory or ethics topic was presented to build our understanding of the complexities. By the end of the first semester, we gained expert faculty and industry contacts, knowledge of the field's current state and future directions."

—Lindsey Kaydo '21

"One types of people you are introduced to covers the vast array of concepts in regenerative medicine. The campus's location in Cleveland also offers opportunities for interactions with spinoffs, incubators and local biotech companies that are hungry for people with the skills developed in this program."

—Jessica Ludwig '21



## About Cleveland

Fewer than 5 miles from Case Western Reserve's campus is Cleveland's bustling downtown, complete with the Rock and Roll Hall of Fame, renowned restaurants, major league teams, and Playhouse Square, the nation's No. 1 arts district, according to *USA Today*. Nearby, there's also Lake Erie and access to a 24,000-acre public park system.

Case Western Reserve University School of Medicine is affiliated with **Cleveland Clinic**, **Louis Stokes VA Medical Center**, **University Hospitals** and **MetroHealth Medical Center** (a county hospital). The first three are within walking distance, while MetroHealth is just a 15-minute drive. The school ranked No. 22 in annual National Institutes of Health funding in 2020 by Blue Ridge Institute for Medical Research.







# Application Details

Students from our program most often pursue work across medicine, biotech, research, business, the law, and even Wall Street. The market is in great demand for highly trained professionals to fill the knowledge gap in all these areas. However, with a rich and varied academic foundation, you'll be set up for a lifetime of career success that pushes you to think beyond the possible.

## How to Apply

Complete your application online at [applygrad.case.edu/apply](https://applygrad.case.edu/apply). Please indicate that you are applying to the MS in Regenerative Medicine and Entrepreneurship program.

### Include required materials:

- School-issued unofficial or official transcripts
- GRE, MCAT, or GMAT Test Scores (Optional)
- Resume/CV
- Letters of Recommendation (2)
- Statement of Purpose
- Application Fee (\$50)
- **For international applicants:** If you are not a citizen of an English-speaking country, or if your previous college or university program was not taught in English, please submit an English proficiency exam (IELTS, TOEFL, or PTE).

## Application Timelines

The Regenerative Medicine and Entrepreneurship program accepts students to start in the spring and fall terms:

### Spring Start Term

Apply by December 1

### Fall Start Term

Apply by August 1

### International Applicants

We recommend international applicants requiring a new student visa to apply by April 15

## Request more information

Need to know more about course offerings, faculty members or something else? Fill out a request form at [applygrad.case.edu/register/med-info](https://applygrad.case.edu/register/med-info).

## Learn More

Visit us at [https://bit.ly/cwru\\_rgme](https://bit.ly/cwru_rgme).



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