



Case Western Reserve University School of Medicine

# Master of Science in Computational Genomic Medicine

Gain the skills to transform complex genomic data into insights that advance research and clinical care in the Master of Science (MS) in Computational Genomic Medicine program. With unparalleled access to world-class faculty, renowned hospital systems and hands-on lab experiences, you'll be prepared to drive discovery in one of today's fastest-growing fields.

## Real-World Experience with Real Data

Our MS in Computational Genomic Medicine program **integrates coursework with meaningful lab placements** at CWRU, University Hospitals and Cleveland Clinic. Over the course of 30 credit hours, you'll collaborate with leading researchers and apply your skills to understanding real-world challenges in genomic medicine.

### Our curriculum is designed to equip you with:

- Foundational knowledge of genetics and biostatistics,
- Advanced understanding of genomics and its applications, and
- Hands-on skills in computational genomics and data analysis.

### You will also complete a culminating research experience that includes:

- One-on-one mentorship from expert faculty, and
- 300+ hours of immersive lab work to apply your skills.



**#1**  
private  
medical school  
in Ohio

*U.S. News & World Report, 2025*

**3 tracks**  
Accelerated (1.5 years)  
Full-time (2 years)  
Part-time (3 years)

**\$80–\$100K**  
average  
starting salary  
in genetics research

## 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 student, you'll gain access to University Hospitals' Center for Human Genetics and Cleveland Clinic's Institute for Genomic Medicine to engage with interdisciplinary teams of medical geneticists, clinical laboratory experts, genetic counselors and researchers—all dedicated to improving care for patients with complex genetic conditions and preparing you to advance your career.



## Application Requirements

- Online application
- Personal statement
- Bachelor's degree from an accredited institution (either already complete, or will be complete before you enroll)
- Unofficial transcripts
- Resume/CV
- Three letters of recommendation
- International applicants: Results of TOEFL exam
- Interview prior to admission



UMC-5806-01-2025



### Ready to learn more?

Contact our program directors  
at [genems@case.edu](mailto:genems@case.edu)  
or scan here to learn more.



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UNIVERSITY**  
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