



Case Western Reserve University School of Medicine

# Aerospace Physiology Certificate Program

Explore two of the fastest-growing industries—**aerospace and healthcare**—in our new groundbreaking master’s-level Aerospace Physiology Certificate program. Whether you’re already working in a relevant field or preparing to launch your career, our program will equip you for success. Here, you’ll enhance your competencies in the characteristics of the atmosphere, acceleration, and spatial disorientation, in addition to the physiology of decompression, thermoregulation, hypobarics, respiration and cardiovascular function.



**“Back when I was looking for a graduate level program I wanted something relevant to aerospace, and there wasn’t a single program in the U.S. This program is trailblazing opportunities for the next generation of aerospace professionals and I am so excited to be a part of it.”**

*—Claire Maciejewski, MS, Aerospace Physiologist,  
United States Air Force, Captain (Retired),  
CWRU Aerospace Physiology Certificate  
Senior Research Associate*

**#1**  
medical  
school  
in Ohio

**#25**  
medical  
school for  
research

*U.S. News & World Report*



## Curriculum

Offered in person and online, this 15-credit hour certificate can be completed in as little as one year and is adaptable to fit your needs through a mix of required and elective courses.

### Required Courses

- Introduction to Aerospace Physiology I
- Introduction to Aerospace Physiology II
- Laboratory Research Rotation:  
Aerospace Physiology  
(4-day on-campus residency required)
- Sleep Physiology

### Elective Courses

- The Physiology of Movement
- Oxygen Physiology
- Comparative and Evolutionary Physiology
- Clinical Reasoning II
- Independent Study in Physiology
- Research in Physiology



## Application Requirements

- Online application
- Personal statement
- Bachelor's degree in the physical or biological sciences from an accredited institution (either already complete, or will be complete before you enroll)
- Unofficial transcripts
- Resume/CV
- Two letters of recommendation

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Ready to learn more?  
Contact Claire Maciejewski  
at [jcm271@case.edu](mailto:jcm271@case.edu) or  
scan below to learn more.



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