Notices at a Glance

The Office of Financial Aid is the place to look for information about scholarships, financial aid, and tuition. The Online Experience section provides information on which program is right for you.

Online MS in Systems and Control Engineering

Online MS in Mechanical Engineering

Online MS in Biomedical Engineering

Online Master of Engineering

Develop Your Leadership Skills

About CWRU and the Case School of Engineering

The online master's programs offer a unique opportunity to expand your knowledge of engineering while remaining immersed in the business environment.

In our innovative capstone course, you will:

- Work in teams to formulate problem-solving strategies
- Determine and sharpen your personal leadership style
- Increase your workplace emotional intelligence
- Be part of a cross-functional project team with diverse background and experience
- Learn how to integrate and manage stakeholder relations
- Work more effectively in the workplace by identifying and managing conflict
- Apply the technical and interpersonal skills needed to become a leader in the engineering field

Curriculum

The 30-credit online Master of Engineering can be completed in as few as 18 months if you take two courses per term.

The program offers a wide selection of technical electives in a variety of fields. It consists of the following:

- 5 core courses
- 4 technical concentration courses
- 1 core capstone course
- 1 integrative capstone course

Explore the Online Master of Engineering

Join the Case School of Engineering and discover the importance of biomedical engineering. Our faculty are experts in neural engineering, imaging, prosthetics, biomaterials, and tissue engineering.

Explore the Online Master of Engineering

A Message From Dominique Durand

A Message From Sree Sreenath

Western Reserve we provide an immersive and supportive environment for you to advance your career and meet your future goals.

Keep scrolling to learn more about the innovative programs that Launch You into Engineering Leadership.
At Case Western Reserve, we produce great team leaders.

We take a holistic look at issues and solve real-world problems. Join us, and you will graduate with expertise in systems.

Explore the Online MS in Systems and Control Engineering

We look forward to welcoming you to our community.

Based on a limited sample of self-reported data from alumni from Case Western Reserve University Department of Engineering from graduating cohorts between 2016-2018.

Curriculum

The 30-credit online MS in Systems and Control Engineering can be completed in as few as 18 months if you take two courses per term. It consists of the following:

5 core courses
5 technical electives

Engineering core courses include:
- Instrumentation and analysis
- Physiology
- Imaging
- Neural engineering
- Biomedical device design
- Biomedical information systems

Biomedical engineering core courses include:
- Instrumentation and analysis fundamentals
- Physiology
- Imaging
- Neural engineering
- Biomedical device design
- Biomedical information systems

Note:
Undergraduate coursework should include four semesters of math (with calculus), two semesters of chemistry and one programming course.

The Value of a Case Western Reserve Degree*

90% of alumni are able to use what they learned in the program in their current role.

60% of alumni changed or expect to change their role function since beginning their career.

30% of alumni who are employed report receiving a promotion or as you take your next career step.

Over 60% of Case Western Reserve alumni are promoted or changed roles.

90% of Case Western Reserve alumni experienced a salary increase of nearly 40 percent (within six months) role function since beginning their career.

Median annual pay for engineers is $91,010.5 For mechanical engineers with master's degrees reported wages between 9 and 13 percent more than those with a bachelor's degree alone.9

The 30-credit online MS in Biomedical Engineering can be completed in as few as 18 months if you take two courses per term. It consists of the following:

8 core courses
5 technical electives
2 biomedical engineering core courses
2 engineering core courses
2 biomedical engineering core courses
2 translational courses
2 technical electives

Biomedical engineering curriculum.

Engineering core courses include:
- Instrumentation and analysis, physiology, imaging, neural engineering
- Biomedical device design
- Biomedical information systems

Biomedical engineering core courses include:
- Instrumentation and analysis fundamentals
- Physiology
- Imaging
- Neural engineering
- Biomedical device design
- Biomedical information systems

Note:
Undergraduate coursework should include four semesters of math (with calculus), two semesters of chemistry and one programming course.
The Benefits of Online Learning at CWRU

1. Systems and Control Engineering (SCS)
2. Mechanical Engineering (EMAE)
3. Engineering Innovation, Management and Leadership (EIML)
4. Biomedical Engineering (EBME)

Admissions Requirements

• Bachelor’s degree (Bachelor of Science in Engineering preferred)
• Personal statement; for the Master of Engineering, engineering program.
• Applicants with a non-engineering degree are required to demonstrate proficiency in calculus and differential equations

First Step: Submit the FAFSA

Use the code E00680. Federal Student Aid (FAFSA) to determine your aid eligibility.

Second Step: Submit your application

Submit your application directly to CWRU. As a prospective graduate student at Case Western Reserve University, you should submit the Free Application for Federal Student Aid (FAFSA) for admission to graduate study. Case School of Engineering offers a number of scholarships to qualified applicants:

Case Western Reserve is proud to offer the following additional financial aid resources for full scholarship details and up-to-date tuition and fees. For more than $19,000 Tuition. No additional paperwork is required. Visit our website, which is automatically applied to reduce tuition. All qualified new applicants to our online engineering graduate programs are eligible for a scholarship of 10–20% of their annual tuition. For more details, visit our website. Updated for Fall 2020. Please see the Financial Aid section for details.

What to Expect from the Online Experience

Start your Case Western Reserve journey today, and take the next step toward becoming a well-rounded engineering leader.

Learn from the same faculty as our on-campus programs

Gain access to the Case Western Reserve library

Take the same combination of highly technical and take courses via recorded audio and video

Collaborate with peers from all over the country

Tailor the program to your busy schedule

Learn from the same faculty as our on-campus programs

Ready to take the next step?

What’s next?

• Review aid eligibility requirements for graduate students
• Explore the financial assistance available for graduate students
• Application checklist for the Online Master of Science programs
• Application checklist for the Online Master of Engineering programs

How to Apply Guide

First, download the application.

Second, fill out the application.

Third, submit the application.

Fourth, apply to graduate programs.

Fifth, pay for graduate education.

Sixth, take your classes.

Seventh, enjoy your educational experience.

Get started today on your Case Western Reserve journey.

What can you expect from the online experience?

You Deserve

You Deserve

What can you expect from the online experience?

You Deserve

What can you expect from the online experience?

You Deserve

What can you expect from the online experience?