Welcome to Case Western Reserve University, a premier private research institution. The Case School of Engineering offers four fully online master's programs. The online Master of Engineering is designed to provide a strong technical foundation in the engineering field. This program offers a wide selection of technical electives in areas such as biomedical engineering, mechanical engineering, and systems and control engineering. As a student in our online engineering master's programs, you will take EPOM 400, an integral core course in Engineering Innovation, Management, and Leadership concentration.

In our innovative capstone course, you will take courses across multiple disciplines: (1) core capstone course, 5 core courses. The capstone challenges you to make strategic business and engineering decisions to develop to final manufacture. The capstone challenges are designed to help you determine and sharpen your personal leadership style.

We are excited to bring this degree to practicing engineers to work in teams to formulate problem-solving strategies. This program consists of the following:

- Systems and Control Engineering concentration
- Mechanical Engineering concentration
- Biomedical Engineering concentration

You will take courses in each of these concentrations and choose one of the following four concentrations:

- Cardiac arrhythmias and infection
- Prosthetics, biomaterials and tissue engineering
- Neural engineering, imaging, and robotics
- Free choice of study while also providing a strong foundation in the behavioral-based communication base and to impart the common goal: Each is designed to provide a strong technical foundation in the engineering field.

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 areas such as biomedical engineering, mechanical engineering, and systems and control engineering. As a student in the online Master of Engineering program, you will work with you to advance your career and meet your future goals.

Keep scrolling to learn more about the innovative master's programs offered by the Case School of Engineering.

Nobel Laureates
(2017-2018)

Case Western Reserve by the Numbers

16

1 core capstone course
5 core courses

Join the Case School of Engineering Leadership Program to learn more about the innovative master's programs offered by the Case School of Engineering.

A Message From Dominique Durand

A Message From Sree Sreenath

A Message From Ryan Darnell

A Message From Laura B. Miles

Welcome to Engineering Leadership Program, a three-year online engineering master's degree program. The program is designed for practicing engineers to develop leadership skills and problem-solving techniques needed to thrive as a leader in the engineering field. This program offers a wide selection of technical electives in areas such as biomedical engineering, mechanical engineering, and systems and control engineering. You will work with you to advance your career and meet your future goals.

Case Western Reserve has a well-deserved reputation for innovation and leadership. Our faculty are experts in the areas of biomedical engineering and industrial/manufacturing/systems engineering, with particular high praise in the areas of biomedical engineering and industrial/manufacturing/systems engineering. The school produced 350 inventions, patents, deals and startups in sponsored research, training and grant revenue. The school won 259 research awards and received $47.7 million in private research project funding in FY18 alone.

Welcome to the Online Master of Engineering Program.
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.

Learn from our expert faculty who are actively engaged in applications from aerospace to energy and biomedical technologies, materials properties, statistical analysis, experimental and computational solid mechanics, biomechanics, bio-manufacturing and engineering for extreme conditions. Our faculty brings this expertise and knowledge to our students. We look forward to providing you with the kind of education and support you need to have a successful career.

We look forward to welcoming you to our community.

For more information about the MS in Mechanical Engineering, please visit our website or contact our Program Director.

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:

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

Undergraduate coursework should include four semesters of math, one semester of calculus-based physics, one semester of chemistry, and one programming course. Note:

- Personal and Professional Goals
- Find the Program That Fits Your
- View Courses

Apply Now

The value of a Case Western Reserve degree is recognized by employers. Nearly 90% of alumni who are employed report that they learned in the program what they need to succeed in their current role. Over 60% of these promoted individuals experienced a median salary increase of nearly 40% (within six months) role function since beginning their role.

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Apply Now
The Benefits of Online Learning at CWRU

- Lower tuition costs with guaranteed applicants: qualified applicants can access scholarships of $19,000 or more. There is no additional paperwork required. Visit our website for full scholarship details and up-to-date tuition and fees.

Exclusive Scholarship

University, you should submit the Free Application for Federal Student Aid (FAFSA) to determine your aid eligibility. As a prospective graduate student at Case Western Reserve University, you may also be eligible for employer funding. In addition to the scholarships offered by CWRU, you may also be eligible for student loans, military benefits, or tuition assistance through your employer. In fact, one in two of our engineering program students report receiving employer funding for their online degree. For more information, visit our website.

What to Expect from the Online Experience

- Take courses via recorded audio and video
- Access our LMS on desktop, tablet, or mobile devices
- Gain access to the Case Western Reserve library
- Take the same combination of highly technical and leadership-focused courses as our on-campus programs
- 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
- Let me plan my weeks ahead of time. I was able to choose when I attended class but I was a little surprised at how easily I was able to manage it within my schedule. Being able to choose when I attended class was definitely helpful – KAITLYN LEWIS (CWR, ’16)

How to Apply

- Online Master of Science programs
- Online Master of Engineering programs

First Step: Submit the FAFSA

- Federal Student Aid (FAFSA)
- University, you should submit the Free Application for Federal Student Aid (FAFSA) to determine your aid eligibility.
- For students who have a distinguished record of innovative research, Case Western Reserve is proud to offer the following exclusive scholarship: the Engineering Leadership Fund.
- This scholarship is open to qualified applicants.
- Application checklist for the Online Master of Science programs
- Application checklist for the Online Master of Engineering programs
- Additional Financial Aid Resources

Federal Financial Aid Resources

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