

# Master of Science in Civil Engineering

## INTRODUCTION

**Civil engineers** design and supervise the construction of roads, buildings, airports, tunnels, dams, bridges, and water supply and sewage systems. Civil engineering, considered one of the oldest engineering disciplines, encompasses many specialties, and overall job opportunities consistently remain strong and starting salaries are among the highest of all college graduates. While a Bachelor's degree is almost always required, more and more entry level positions are requiring a Master's degree.

## DEGREE PROGRAM

The graduate program in Civil Engineering at Cleveland State is designed to provide the student with knowledge of advanced methods for analysis and design or for research and development. While the student must select a specialization (Structures/Foundations, Water Resources, Environmental or Transportation), the program is designed to allow selection of electives from complementary areas, including disciplines outside the department. The flexibility provides the student with a practical advanced foundation in a focused area of study.

A minimum of twenty-four credits of course work is required for students following the thesis option. These students must complete a

minimum of six credits of thesis (a maximum of six credits count toward the degree). A non-thesis option also is available, with advisor approval. Students following the non-thesis option must complete a minimum of thirty credit hours for the degree.



## RESEARCH

The faculty have expertise in a broad range of the sub-disciplines of Civil Engineering. Recently, the University was awarded a multi-million dollar grant to establish a Federal Transportation Research Center. Our faculty serve on State and National committees which set standards for several aspects of the profession, and several of the faculty are licensed Professional Engineers, ensuring that the program and research stay focused on practical applications.

## DEGREE REQUIREMENTS

In addition to meeting other University requirements, a

master's candidate must complete the core courses for the selected specialization. A minimum of twenty-four credits of course work is required for students following the thesis option. These students must complete a minimum of six credits of thesis (a maximum of six credits count toward the degree). Students following the non-thesis option must complete a minimum of thirty credit hours for the degree.

## CONTACT INFORMATION

### For admission information contact:

Cleveland State University  
Graduate Admissions Office  
2121 Euclid Ave.  
Cleveland, OH 44115  
(216) 687-5599  
[www.csuohio.edu/gradcollege/](http://www.csuohio.edu/gradcollege/)

### For program information, contact:

Department of Civil and  
Environmental Engineering  
Stillwell Hall, Room 110  
2121 Euclid Ave.  
Cleveland, OH 44115  
(216) 687-2400  
[www.csuohio.edu/engineering/civil/programs.html](http://www.csuohio.edu/engineering/civil/programs.html)