UNIVERSITY OF MIAMI
COLLEGE of ENGINEERING

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M.S. in Civil Engineering

The program is built around the principles of sustainability and resilience, focusing on how structures and networks can endure and adapt over time. It prepares students to address complex challenges such as designing, developing, and managing the structures and infrastructure systems that will support and shape the rapidly evolving cities of tomorrow.

WHAT TO EXPECT

Specialized expertise

- Develop advanced technical and leadership skills to manage complex infrastructure projects and guide decision-making in civil engineering practice.

Research and innovation

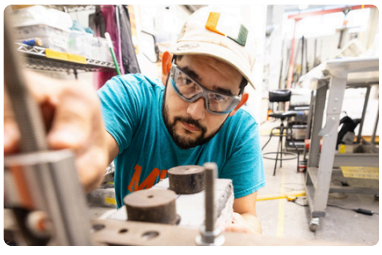
- Engage in faculty-led research on sustainable infrastructure, resilient urban systems and advanced construction methods that address real-world engineering challenges.

Personalized mentorship

- Learn in a collaborative department where faculty provide individualized guidance to enhance your technical abilities, problem-solving skills and career direction.

Career readiness

- Gain hands-on experience and professional connections through partnerships with government agencies and industry leaders, preparing you to make an immediate impact in the civil engineering field.



FAST FACTS

$85K
Average Starting Salary

Multi-Disciplinary
Collaborative Projects

$4M+
2024 Research Expenditures

Thesis and Non-Thesis options available.

5-Year B.S./M.S. option available for qualified undergraduate students enrolled within the Civil and Architecural Engineering Department.

CAREER PATHS

- **Government and Public Sector**
- **Construction**
- **Utilities and Infrastructure**
- **Research and Academia**
- **Engineering and Architectural Services**

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AREAS OF SPECIALTY

- Structural Engineering and Structural Materials
- Water Resources Engineering

ACCESS TO UNIQUE FACILITIES

Advanced Cement Chemistry, Engineering, Sustainability, and Science (ACCESS) Lab
- Pioneering sustainable, durable concrete for the future of resilient infrastructure.

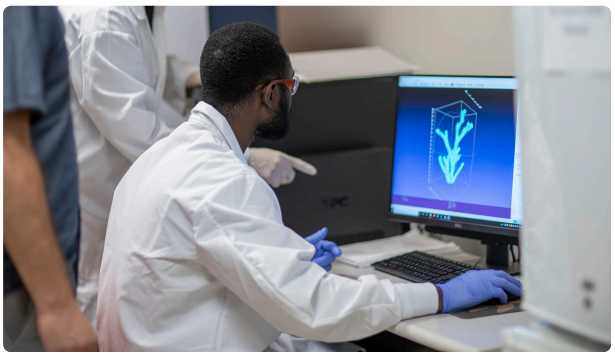
Heating, Ventilation, and Air-Conditioning and Sustainability Lab
- Equipping students with hands-on tools to design efficient, healthy buildings.

Advanced Infrastructure Materials Research Lab
- Creating nature-inspired, low-carbon materials for next-generation infrastructure.

Structures and Materials Lab (SML)
- Driving innovation in construction materials and testing for stronger, cost-effective systems.

Sustainable Materials and Resilient Infrastructure (SMARIN) Lab
- Developing eco-friendly, high-performance materials to reduce construction's environmental impact.

Sustainability Resiliency Adaptation Laboratory (SuReal)
- Advancing adaptive solutions for sustainability and climate resilience.



"During my time in the program, I had the pleasure of diving deep into multiple aspects of the discipline, which shaped my approach and rational thinking. The continuous support of outstanding faculty members provided me with the tools to overcome challenges, fostering a problem-solving attitude and a flexible mindset."

-Albert Zabban, '17

For more information

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