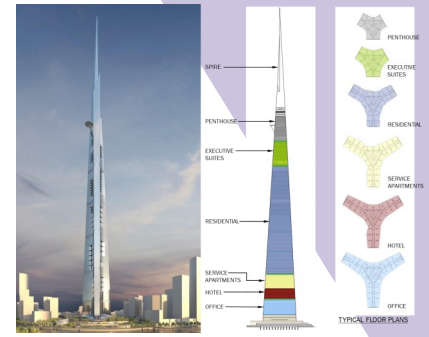


MS in Structural Engineering

Transformative Education • Innovative Engineering • Problem Solving

- Join a new generation of structural designers
- Experience a broad curriculum in theory and practice
- Learn cutting-edge design techniques from leading Chicago AE firms
- Lead design in sustainable infrastructure systems
- Design for urban development and renewal
- Create longer, taller, and lighter structures of the future
- Make industry contacts and network through seminars and career fairs



WHY YOU SHOULD APPLY: Structural Engineers are at the helm of the urban environment. Engineers design novel infrastructure systems to be create adaptive, resilient, and sustainable. The MS curriculum in Structural Engineering at Northwestern provides the tools and methods for this renaissance through a series of 12 courses.

HOW TO APPLY: APPLY AT WWW.APPLYWEB.COM/NUGRAD/INDEX.FTL

APPLICATIONS ARE DUE AT THE END OF FALL TERM. DECISIONS WILL BE MADE AND APPLICANTS WILL BE NOTIFIED STARTING IN FEBRUARY.

EMAIL QUESTIONS TO: MS-STR@NORTHWESTERN.EDU, FIND US ON [TWITTER @CEE_NWU](https://twitter.com/CEE_NWU)

MS IN STR @ NU

CIVIL AND ENVIRONMENTAL ENGINEERING

Innovative Solution of Infrastructure Systems

Meeting the Challenge of Longer, Taller, and Sustainable Structures

The MS in Structural Engineering at Northwestern is designed to prepare our graduates to become creative structural designers with sound fundamentals and the ability to develop and maintain sustainable infrastructure systems.

The program builds on the strengths of the world-renowned structural mechanics faculty and elite Chicago-based structural design firms. The theoretical and behavioral study of structures is complemented with design courses and projects taught by registered PE/SE .

STR Fundamentals

Series of 6 courses devised to provide students with the core knowledge required to design structures. Includes: solid mechanics, structural mechanics, structural dynamics, computational methods.

Structural Design

STR students complement their core knowledge with 6 elective courses in structural system optimization, advanced computational methods, architecture design, high performance building design, foundation design, comprehensive design project, and advanced steel, concrete, and pre-stressed concrete design. These courses are taught by engineers from leading firms in Chicago.

Seminars & Career Fair

Professional development seminars are organized specifically for MS STR students. This includes resume workshop hosted by engineers, and project presentations by the structural engineering and associated professionals. In addition, the Department organizes 2 career fairs annually to connect students to employers.

Alumni Network

MS STR alumni hold structural design positions in Chicago and across U.S., such as SOM, KPFF, Thornton Tomasetti, Jacobs, AECOM, Arcadis, Larson, WSP, PACE, ATMI Precast, SidePlate Systems, Sargent & Lundy, DruckerZajdel. The annual alumni panel features recent graduates from the program who share their engineering experience.

APPLICATION WEBSITE: WWW.APPLYWEB.COM/NUGRAD/INDEX.FTL

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