ABOUT THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

STUDENTS (FALL 2014)
203 Undergraduate Civil
65 Undergraduate ENVE
32 Graduate (1 M.S./31 Ph.D)
Ranked 31st in 2014 US News & World Report Graduate Rankings

DEGREES OFFERED
Civil Engineering
(B.S., M.E., M.S., Ph.D.)
Environmental Engineering
(B.S., M.E., M.S., Ph.D.)
Transportation Engineering
(M.E., M.S., Ph.D.)

DEGREES AWARDED IN AY 2014-15
60 B.S. Civil Engineering
7 B.S. Env. Engineering
22 M.S./M.E. Civil Engineering
4 M.S./M.E. Env. Engineering
1 M.S./M.E. Transp. Engineering
8 Ph.D. Civil /Env./Trans. Engineering

GRADUATE STUDENT SUPPORT
93% of graduate students received financial support

UNDERGRADUATE RESEARCH SUPPORT
35 Students per semester participated in Undergraduate Research Projects

CONTACT US
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RESEARCH AREAS

Earthquake Engineering Research
4th Largest geotechnical centrifuge (150g-ton) in the U.S.
Response of structures to earthquakes
Analysis of New Orleans levee failures
Analysis of critical pipeline failures

Natural Hazard Research (Structural)
Snow Load Hazard
Wind Load Hazard
Natural Hazards, infrastructure and future climate scenarios

Transportation Systems and Operations
Transportation Planning & Economics
Disaster Response
Intelligent Transportation Systems
Transport Network Modeling & Simulation Control
Advanced Econometrics

Computational Mechanics (Civil)
Modeling & Simulation of civil systems
Micromechanical & multiple-scale modeling
Automated finite element & discrete element modeling techniques
Adaptive analysis procedures & design using knowledge-based techniques

Environmental
Pollutant Fate and Transport
Water Treatment
Site Remediation and Bioremediation
Tarek Abdoun, Thomas Iovino Chair Professor
Associate Dean for Research and Graduate Programs
Mohammed Alnaggar, Assistant Professor
Navid Khaje Ahmad Attary, Lecturer
Xuegang (Jeff) Ban, Associate Professor
Philippe Baveye, Kodak Chair of Environmental Engineering
Victoria Bennett, Assistant Professor
Ricardo Dobry, NAE, Institute Professor and Director, NEES-NSF Geotechnical Centrifuge Research Center
Yuri Gorby, Howard N. Blitman ’50 P.E. Career Development Chair Associate Professor in Engineering
Jose Holguin-Veras, William H. Hart Chair Professor
James (Chip) Kilduff, Associate Professor
Chris Letchford, Professor, Department Head

Franklin Lombardo, Research Assistant Professor
Mark Mistur, Associate Professor, Associate Dean, Architecture
Marianne Nyman, Associate Professor
Michael O’Rourke, Professor
John (Jack) Reilly, Professor of Practice
Mark S. Shephard, Samuel A. Johnson ’37 and Elizabeth C. Johnson Professor of Engineering
Michael Symans, Associate Professor
Shun Uchida, Assistant Professor
William Wallace, Yamada Corporation Professor
Xiaokun (Cara) Wang, Assistant Professor
Mourad Zeghal, Associate Professor
Thomas Zimmie, Professor