

ENVIRONMENTAL RESEARCH, TEACHING, AND SERVICE AT OSU SURVEY

-- Provost Richard Sisson and Vice President Edward Hayes have charged the *Ad Hoc* Committee on Environmental Science and Engineering (CESE) to make recommendations about the organization and funding of research, teaching, and service in the area of environmental studies.

-- CESE seeks to identify faculty, staff, and graduate students engaged in all phases of environmental work, such as, but not limited to, scientific investigation, policy, ethical, moral, and legal studies, risk and economic assessment, health issues, and human behavior.

-- The survey below will help CESE to identify the community of faculty, staff, and graduate students engaged in environmental work. **IF IN DOUBT, COMPLETE THE SURVEY.**

-- Direct questions to Dean Kermit L. Hall, College of Humanities, 186 University Hall or kermith@humanities1.cohums.ohio-state.edu.

-- Return the survey by **SEPTEMBER 27** by folding and mailing it to the address on the reverse side or by sending e-mail to barryz@humanities1.cohums.ohio-state.edu. **THANK YOU!**

1. Your Name _____
2. Rank/Title _____ Unit of Service _____
3. Campus Address _____
4. Campus E-Mail Address _____
5. Indicate generally your area(s) of environmental expertise and activities (research, teaching, service):
6. Who are your most important professional contacts within the University regarding environmental issues?
7. Comments/Suggestions:

Mr. Barry Zvolenski
Secretary to the Dean
College of Humanities
186 University Hall
230 N. Oval Mall

BERTHA IHMAT
LIBRARY ASSOCIATE 1
UNIVERSITY LIBRARIES
109 LIB BK DEP
2700 KENNY RD
COLUMBUS OH 43210

February 29, 1996 meeting, Board of Trustees

MERGER AND NAMING OF DEPARTMENTS

Resolution No. 96-94

WHEREAS on June 3, 1994, the Board of Trustees approved the administrative reorganization of the College of Engineering; and

WHEREAS as a result of the administrative restructuring within the College of Engineering, the Department of Civil Engineering and the Department of Engineering Graphics were consolidated to form a new department; and

WHEREAS on April 7, 1995, in cross-college restructuring, the Department of Geodetic Science and Surveying was transferred from the College of Mathematical and Physical Sciences to the College of Engineering; and

WHEREAS the Departments of Civil Engineering and Geodetic Science enjoy close disciplinary relationships in teaching and research, and these relationships would be enhanced by merging the respective departments, to the benefit of the College and the University; and

WHEREAS the College administration and faculty, and the faculties of the departments concerned, support the proposed merger of the departments; and

WHEREAS the faculties of the departments concerned, after a long and searching process, have determined that they can support only one name for the unit to be created by this merger, the Department of Civil and Environmental Engineering and Geodetic Science; and

WHEREAS the proposed merger and naming has the approval of the Council on Academic Affairs and was approved by the University Senate at its January 20, 1996 meeting:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the proposal to combine the department formed by merging Civil Engineering and Engineering Graphics with the Department of Geodetic Science and Surveying, and to name the combined unit the Department of Civil and Environmental Engineering and Geodetic Science, effective immediately.

Civil and Environmental Engineering and Geodetic Science

JUN 2006

Civil and environmental engineering and geodetic science is about preparing professionals in service to society, by developing new and better ways of improving the quality of life for people in work, leisure and travel, and improving the science of observing our world. This requires the skillful conception, planning, design, construction, and operation of facilities that enfold modern life, ranging from transit systems to waste treatment facilities to space satellites.

In the 21st century, the demand for civil and environmental engineers and geodetic scientists will increase significantly, due in part by efforts to rebuild, improve and make secure our country's infrastructure, including our highways, bridges, tunnels, dams, harbors, airports, waterways, railways, power plants, air and water treatment plants, drainage systems, and waste disposal facilities.

Opportunities for Students

Civil and environmental engineering and geodetic science at the Ohio State University offers students an exciting academic program enhanced by experiences in state-of-the-art laboratory facilities. Our department offers a challenging intellectual experience designed to provide students with the resources and background necessary to pursue activities in various interdisciplinary areas of civil and environmental engineering.

Undergraduate Programs

Civil and Environmental Engineering
Geomatics Engineering
Environmental Engineering Minor
Surveying and Mapping Minor

Graduate Programs

Civil and Environmental Engineering
Geodetic Science and Surveying

Contact:

Carolyn Merry, Chair
614-292-2771
merry.1@osu.edu

Laboratories and Centers

Faculty in Civil and Environmental Engineering and Geodetic Science conduct research in departmental laboratories:

- Center for Mapping
- Mapping and GIS Laboratory
- Space Positioning Inertial Navigation Laboratory
- Photogrammetry Laboratory
- Great Lakes Forecasting System Laboratory

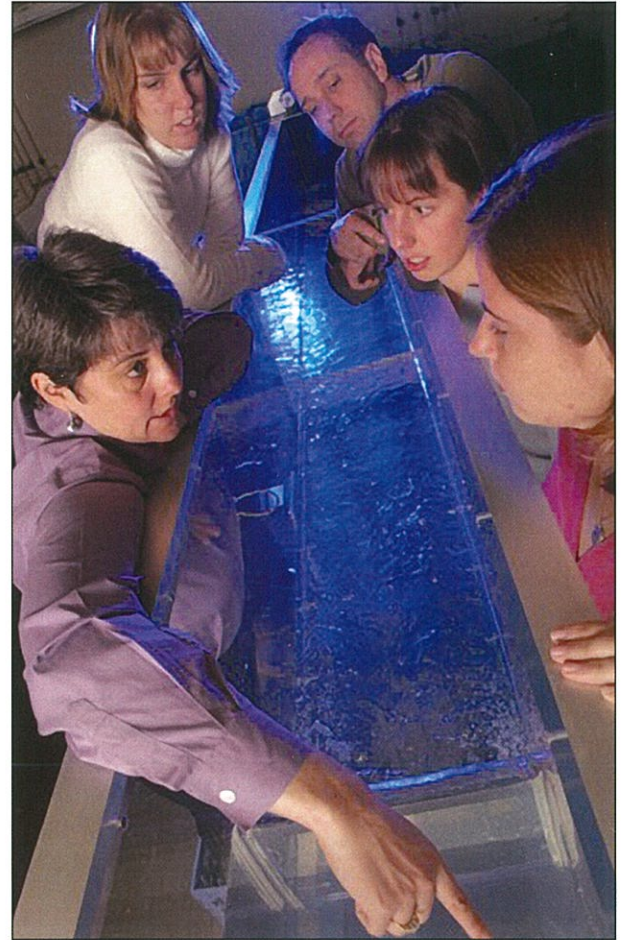
Research is conducted in collaborative, interdisciplinary study within 17 research centers at Ohio State:

- Advanced Computing Center for the Arts and Design
- Aquatic Ecology Laboratory
- Biomedical Engineering Center
- Byrd Polar Research Center
- Campus Chemical Information Center
- Center for Mapping
- Center for Cognitive Science
- Center for Resilience
- Electrosience Laboratory
- Excellence in Manufacturing
- John Glenn Institute for Public Service and Public Policy
- Microscopic and Chemical Analysis Research Center
- Ohio Supercomputer Center
- Olentangy River Wetland Research Park
- Ohio Sea Grant
- Stone Laboratory
- Consortium for Information Assurance Education and Research

Faculty Achievements

Our faculty members are internationally recognized as leaders in the disciplines of civil engineering, environmental engineering and geodetic science. Faculty achievements include:

- Diane Foster's NSF Faculty Early Career Development award, recognizing her dual commitment to scholarship and education. She joins other department faculty members Linda Weavers, Ben Coifman, and Rabi Mishalani in receiving this award.
- Linda Weavers' NSF Presidential Early Career Award for Scientists and Engineers
- Dorota Brzezinska's NASA New Investigator Award, recognizing her future promise in mission-driven research for the federal agency
- Rongxing Li's advanced mapping technology, being utilized on the surface of Mars to analyze photographs taken by the NASA rovers to provide valuable information about the terrain of Mars and the location of the rovers
- Oliver G. McGee's selection as one of America's "50 Most Important Blacks in Research Science" for 2004 by *Science Spectrum* and *U.S. Black Engineer & Information Technology* magazines
- Mark McCord's receipt of an NSF Presidential Young Investigators Award
- Keith Bedford and T.H. Wu's election to Fellow of the American Society of Civil Engineers, joining our department's other ASCE Fellows, Hojjat Adeli and Fabian Hadipriono
- T.H. Wu and Hojjat Adeli's selection as Honorary Members of the ASCE
- Frank Croft's election to Fellow of the American Society of Engineering Education
- The department's receipt of a University Distinguished Diversity Enhancement Award



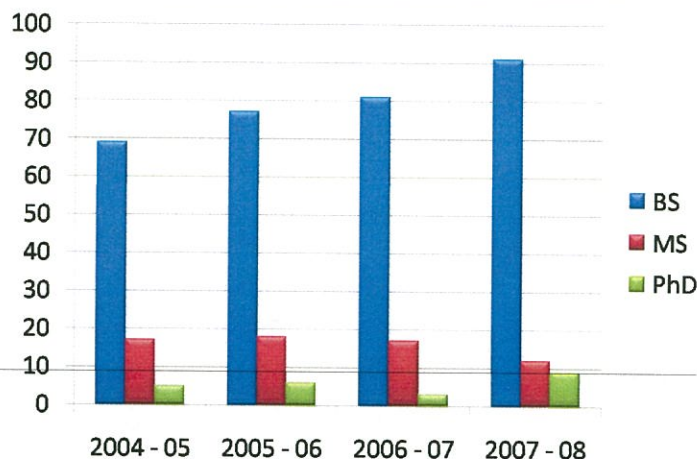
Student Achievements

- Keith Coleman, Amy Eitel, Kim Hatton, Claire Nichols, Carol (Vershum) Shaffer and Eric Setzler received NSF Graduate Student Fellowship awards, recognizing their dual commitment to graduate education and research scholarship.
- Keith Coleman received the National Defense Science and Engineering Graduate Fellowship.
- Students in the CEEGS Environmental Engineering Design Team were awarded first place in the national 2004 Waste Education and Research Consortium Environmental Engineering Design Competition, with the task of developing and demonstrating a fully functioning bench scale treatment system.
- The Steel Bridge Team placed first in the 1999 and 2006 Ohio Valley Regional Competition.

Learn more about Civil and Environmental Engineering and Geodetic Science at www.ceegs.ohio-state.edu.

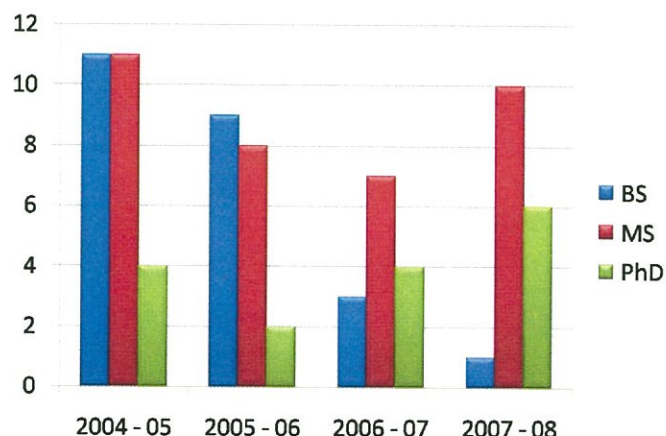
CIVIL AND ENVIRONMENTAL ENGINEERING AND GEODETIC SCIENCE

**Civil Degrees Conferred
2004 - 2008**



Totals: 91 101 101 112

**Geodetic Science Degrees Conferred
2004 - 2008**



Totals: 26 20 14 17

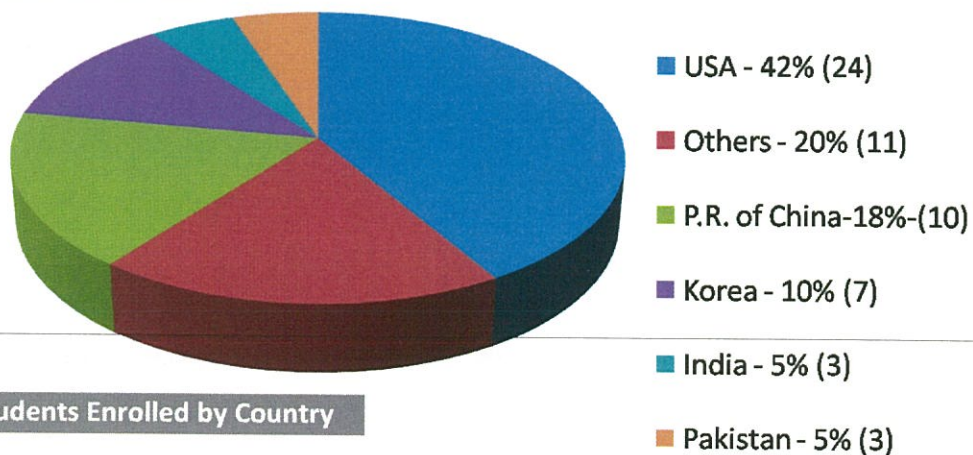
Supported Graduate Students for 2007 - 2008

University and Industry & CEEGS Supported Students

Graduate Teaching Associate	5
Graduate Research Associate	44
Graduate Administrative Associate	2
Presidential Fellowship	0
University Fellowship	1
French Fellowships	3
Country Fellowships	4
Other Fellowships	3
TOTAL	62

Graduate Student Overview

Number of Applicants	110
Number of Admitted	64
Enrolled Students	58
Average GPA Admitted (based on 4.0 scale)	3.53
Average GRE (verbal)	502
Average GRE (quantitative)	765



Percentage of Graduate Students Enrolled by Country



Board of Trustees

210 Bricker Hall
190 North Oval Mall
Columbus, OH 43210-1321

Phone (614) 292-6359
Fax (614) 292-5903

**ESTABLISHMENT OF A BACHELOR OF SCIENCE IN
ENVIRONMENTAL ENGINEERING DEGREE PROGRAM**

Resolution No. 2008-93

WHEREAS the study of environmental engineering is now an "option" within the civil engineering undergraduate degree program, accredited separately since 1993; and

WHEREAS this new degree program conforms to the practice of the profession where the accredited program leads to a BSEnvE degree; aligns the program with recent changes in accreditation criteria to the content of the National Council on Engineering Examiners for Engineering and Surveying; and will lead to related changes in the existing MS/Ph.D. program in this field; and

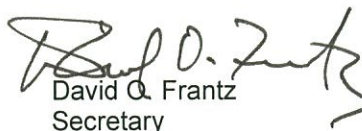
WHEREAS the proposal was reviewed and approved by the Council on Academic Affairs, and by University Senate at its February 7, 2008 meeting:

NOW THEREFORE

BE IT RESOLVED, That the proposal to establish a Bachelor of Science in Environmental Engineering degree program is hereby approved, effective upon the approval of the Board of Regents.

CERTIFIED

This is to certify that the foregoing is a true and accurate excerpt from the minutes of the Board of Trustees meeting held April 4, 2008.


David Q. Frantz
Secretary



Board of Trustees

210 Bricker Hall
190 North Oval Mall
Columbus, OH 43210-1321

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**DEPARTMENT NAME CHANGE FROM DEPARTMENT OF CIVIL AND ENVIRONMENTAL
ENGINEERING AND GEODETIC SCIENCE TO THE DEPARTMENT OF CIVIL,
ENVIRONMENTAL AND GEODETIC ENGINEERING**

Resolution No. 2012-44

Synopsis: Approval to change the department name of Civil and Environmental Engineering and Geodetic Science to the Department of Civil, Environmental and Geodetic Engineering is proposed.

WHEREAS the Department of Civil and Environmental Engineering and Geodetic Science had administered two distinct programs – Civil Engineering and Geodetic Science – since 1994, but in 2004 half of the faculty in Geodetic Science transferred to the School of Earth Sciences; and

WHEREAS in 2009, a Memorandum of Understanding was approved that moved the administration of the Geodetic Science and Surveying Graduate Program to the School of Earth Sciences, and then in 2010, a specialization in Geoinformation and Geodetic Engineering was developed for the Civil Engineering graduate program, and these programs align with the focus areas of the faculty in the two academic units; and

WHEREAS no changes are requested for the degree programs administered by the Department; and

WHEREAS the proposal has the support of the Department faculty, the College of Engineering, and the School of Earth Sciences; and

WHEREAS the proposal was approved by the Council on Academic Affairs, and the University Senate at its meeting on November 17, 2011:

NOW THEREFORE

BE IT RESOLVED, That the name of the Department of Civil and Environmental Engineering and Geodetic Science be changed to the Department of Civil, Environmental and Geodetic Engineering, is hereby approved effective immediately.

CERTIFIED

This is to certify that the foregoing is a true and accurate excerpt from the minutes of the Board of Trustees meeting held December 9, 2011.

A handwritten signature in blue ink that reads "David G. Horn".

David G. Horn
Secretary

Transportation and Traffic Management

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AIR QUALITY SENSOR SUITE

CABS Partnering with the College of Engineering

March 20, 2017



Transportation and Traffic Management (TTM) has partnered with The Ohio State University's [Department of Civil, Environmental and Geodetic Engineering](#) of the College of Engineering on a

project that will help the research team obtain a wider range of air quality data across Ohio State's Columbus campus. In collaboration with TTM, the college of engineering team mounted an air quality sensor suite and accompanying hardware on top of a CABS bus, which is now collecting data. Currently, the regulatory monitoring of air quality occurs from a few stationary sites that are spaced far apart, which limits the ability to collect data that account for spatial variations in air quality. Having a sensor suite on a mobile platform will help the stakeholders measure air quality in a manner that covers a broader geographic area. The project has the potential of demonstrating a concept that could be used in urban areas across the country and the world. The equipment used for the project is low cost, which would motivate its widespread use. The effort is funded by the U.S. Department of Transportation through the University Transportation Center Program. Ohio State is a major partner in the Region V University Transportation Center, NEXTRANS. TTM is proud to support the academic mission of the university and assist in research that will help Ohio State researchers further the knowledge of air quality in the community.

Transportation and Traffic Management
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Phone: 614-292-7433
Email: ttminfo@osu.edu



Hours: Monday - Friday: 6:30 a.m. - 5:00 p.m.

Staff Resources