

McCormick

Northwestern Engineering

MS and PhD degree Programs

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Fall 2009



... Preparing for Research, Teaching, and Practice

The Department of Civil and Environmental Engineering (CEE) at Northwestern University is a premier research and academic department, ranked among the top CEE departments in the nation. With 26 experienced faculty members, CEE provides graduate students with an exceptional range of opportunities to advance both their knowledge and careers in a scholarly community small enough to assure individual attention and effective mentoring.

CEE prepares students to become the next generation of leaders in civil and environmental engineering research, academic, corporate, and public service settings. We offer the Master of Science (MS) and Doctor of Philosophy (PhD) degrees in Civil and Environmental Engineering and in Theoretical and Applied Mechanics through Northwestern University's Graduate School. In addition, CEE offers the Master of Project Management (MPM) professional degree. Students work with their adviser to construct study plans suited to their unique interests. These include extensive options for courses outside civil and environmental engineering to address a wide variety of social, economic, and physical challenges of constructing and managing the industrial and public works infrastructure and to develop the skills necessary for success in research, teaching, and practice.

MS and PhD Degrees in Civil and Environmental Engineering ...

... Programs of Study

- ***Environmental engineering and science (EES)***

Area Coordinator, Prof Kimberly Gray – k-gray@northwestern.edu

- ... identifies and designs solutions for environmental problems. Environmental engineers seek to shield the environment from the harmful effects of human activity, protect human populations from adverse environmental events such as floods and disease, and restore environmental quality for ecological and human well-being. Traditionally, environmental engineers provided safe drinking water, treated and properly disposed of wastes, maintained air quality, controlled water pollution, and remediated sites contaminated by hazardous substances. They continue to do this as well as monitor the quality of the air, water, and land and develop new environmental control technologies. The EES program of study also offers a dual MS/Master of Project Management (MPM) degree.

- ***Geotechnics (GEO) and Environmental geotechnics (EGE)***

Area Coordinator, Prof Charles Dowding – c-dowding@northwestern.edu

- ... builds knowledge of the engineering properties of soil and rock to ensure the strength and stability of structures built in or of these natural materials. Current research at Northwestern includes advanced laboratory testing and field evaluation techniques; modeling of soil, rock, and groundwater behavior to predict and control unwanted movement of structures; methods of ground improvement; remote measurement of landslides in rock and soil with time domain reflectometry; and prediction and construction control of deformation from deep excavation in soft soil.

- ***Mechanics of materials and solids (MMS)***

Area Coordinator, Prof Isaac Daniel – imdaniel@northwestern.edu

- ... uses analytical, experimental, and computational methods to study the mechanical behavior of solid materials. Applications include a wide range of problems, such as the assessment of structural integrity through methods of fracture mechanics and nondestructive evaluation, the simulation of vehicle crashworthiness, the behavior of composite materials, the development of new computational methods, and the mechanics of earthquake instabilities. Among recent projects are constitutive models for geomaterials, fracture mechanics–based structural integrity assessment of aircraft and bridges, and development of novel finite-element techniques and new computational methods, such as the element-free Galerkin method and the natural element method.

- **Please note Mechanics of materials and solids (MMS) and Structural engineering and materials (STR) are highly cross-disciplinary with each other – enough so, to be informally named Mechanics of Materials and Structures.**

- ***Structural engineering and materials (STR)***

Area Coordinator, Prof Surendra Shah – s-shah@northwestern.edu

- The design and construction of buildings, bridges, highways, airports, power plants, underground structures, ocean structures, and more are dependent on structural engineers. The goals of structural engineering are simple: strength, stability, durability, and reliability, at a minimum cost. These goals are reached through innovations in the field of engineering. Emergence of new cement based materials, composites, ceramics, construction technologies, and challenging design conditions require structural engineers with a wide range of knowledge and skill. At Northwestern, graduate students in structural engineering and materials build a strong foundation in the knowledge of structural mechanics, analysis, design, computer methods, physics of materials, safety theory, and experimental methods. All this is done while conducting research into new innovations, such as a new cement based construction material or a new analysis technique for complex structures. The experience provided prepares students for the next step into professional practice or research.

- ***Transportation systems analysis and planning (TRN)***

Area Coordinator, Prof Pablo Durango-Cohen – pdcc@northwestern.edu

- ... addresses ways to provide efficient, safe, and environmentally sound mobility for people and goods. Transportation research is strongly analytically based and includes advanced, activity-based models to predict traveler behavior in urban and intercity contexts; dynamic models of network operations for logistics and traffic management; safety studies of the consequences of operator fatigue; relationship between land use, site design, and travel behavior; and studies of the impacts of policies, technologies, services, and programs on travelers and transportation systems.

- ***Project Management (PhD degree only)***

Prof Raymond Krizek – rjkrizek@northwestern.edu

- *If you are seeking a PhD degree in Civil and Environmental Engineering in the area of Project Management, you will be required either to already have an MS degree in Civil or Environmental Engineering, or to have successfully*

- completed the Master of Project Management (MPM) degree here at Northwestern — before being considered for PhD degree studies.
- In addition, the PhD degree student in Civil and Environmental Engineering in the area of Project Management will be responsible for their own tuition and financial support.
- Before you apply for the PhD degree in Civil and Environmental Engineering in the area of Project Management, please review the MPM program requirements at <http://mpm.northwestern.edu> to formulate your questions. Then feel free to email (please include your phone number) the MPM program's Director, Prof Raymond Krizek (rjkrizek@northwestern.edu) for discussion and details.

MS and PhD Degrees in Theoretical and Applied Mechanics ...

- ***Theoretical and applied mechanics (TAM)***

Area Coordinator, Prof Isaac Daniel – imdaniel@northwestern.edu

- ... is an interdisciplinary field of engineering that combines the fundamental physical sciences with powerful mathematical, computational, and experimental techniques to develop advanced structures and materials with optimized loadcarrying capability and improved resistance to failure. Research projects include applications of computational mechanics tools, such as finite-element and meshless methods, fracture mechanics, and mechanics of materials, to problems of shape-memory alloys, geomaterials, composites, and nondestructive evaluation.

Master of Project Management ...

- ***Master of Project Management (MPM)***

Director, Prof Raymond Krizek – rjkrizek@northwestern.edu

- Unlike a typical MS degree, which enhances technical knowledge in a specific area as a preparatory degree for PhD research, the Master of Science in Project Management is intended to be a professionally-oriented terminal degree offering a holistic overview of a technical area within a practical business prospective needed by project managers. While its primary objective is not to prepare for a research-oriented PhD degree program, several MPM graduates have successfully gone on to obtain a PhD degree.
- The program consists of core managerial courses (finance, accounting, project scheduling, engineering law) complemented by a chosen specialization within Construction Management; A/E/C Business Management; Environmental Management; or Infrastructure Management. Classes are taught by University faculty and practicing professionals who bring a wealth of real-world experience to the course offerings.

MPM is managed under the auspices of the Civil and Environmental Engineering Department, but is not part of the Northwestern University Graduate School. Therefore, do not apply to the Northwestern University Graduate School, rather go to the MPM website at <http://mpm.northwestern.edu> and apply directly to the program.

CEE Faculty by Program of Study

Environmental Engineering and Science

- **Neal E. Blair**, Professor; PhD, Stanford. Organic chemistry, biogeochemical transformations of carbon, evolution of organic carbon as particles move from exposed bedrock on land to ultimate burial at sea.
- **Joseph A. FitzPatrick**, Assoc Professor; PhD, Harvard. Appropriate water/wastewater treatment technologies, environmental engineering ethics, philosophy and design.
- **Jean-François Gaillard**, Assoc Professor; D.Sc., Université Denis Diderot–Paris VII. Environmental chemistry, environmental engineering, metal speciation.
- **Kimberly A. Gray**, Professor; PhD, Johns Hopkins. Environmental chemistry, catalysis, physicochemical processes, hazardous chemical treatment technology, environmental restoration.
- **Luisa A. Marcelino**, Research Asst Professor, PhD, University of Lisbon (degree *in absentia* through MIT). Symbiosis of coral-algae relationship, modeling of light transport in coral skeleton and coral tissue, physiological variation of coral tissue and algae biomass.
- **Aaron I. Packman**, Assoc Professor; PhD, Caltech. Environmental transport process, fluid mechanics, aquatic chemistry.

Geotechnics and Environmental Geotechnics

- **Jose E. Andrade**, Asst Professor; PhD, Stanford. Developing multi-phase framework to model deformation-diffusion problems in porous media, computational inelasticity and finite element procedures.
- **Charles H. Dowding**, Professor; PhD, Illinois at Urbana-Champaign. Geotechnics, rock mechanics, construction and blasting vibrations, exploration decisions, TDR instrumentation.
- **Richard J. Finno**, Professor; PhD, Stanford. Geotechnical engineering, earth retaining structures, deep foundations, nondestructive evaluation of foundations.
- **Raymond J. Krizek**, Stanley F. Pepper Professor; PhD, Northwestern. Member, National Academy of Engineering. Geotechnical engineering, ground improvement.

Structural Engineering and Materials

- **Zdeněk P. Bažant**, Walter P. Murphy Professor; PhD, Czechoslovak Academy of Sciences. Member, National Academy of Engineering and Member, National Academy of Sciences. Solid mechanics; structural engineering; materials, especially fracture, damage, creep, stability, concrete, composites, geomaterials, and ice.
- **Yonggang Huang**, Joseph Cummings Professor; PhD, Harvard. Machinability of carbon nanotube composites, micro/nanomechanics of smart materials, dynamic failure modes of marine composite materials under blast loading.
- **Hamlin M. Jennings**, Professor; PhD, Brown. Phase diagrams, kinetics, cement-based materials, modeling C-S-H, relationship to creep and shrinkage, rheology
- **Brian Moran**, Professor; PhD, Brown. Computational methods in engineering and science, continuum mechanics, fracture mechanics, constitutive modeling and micromechanics of fracture and failure, multi-scale modeling of materials, mechanics of biofilms, biomechanics of the human spine, tissue mechanics.
- **Surendra P. Shah**, Walter P. Murphy Professor; PhD, Cornell. Structural materials, composites, fracture of brittle materials, durability of high performance concrete, nondestructive evaluations.
- **Jeffrey J. Thomas**, Research Assoc Professor, PhD, Northwestern. Chemistry, microstructure, and hydration kinetics of cement-based materials, developing a new type of cement-based material for security walls called “Safety Concrete.”

Theoretical and Applied Mechanics / Mechanics of Materials and Solids

- **Jan D. Achenbach**, Walter P. Murphy Professor; PhD, Stanford. Member, National Academy of Engineering and Member, National Academy of Sciences. Solid mechanics, waves in solids, ultrasonics, nondestructive evaluation.
- **Isaac M. Daniel**, Walter P. Murphy Professor; PhD, IIT. Processing and mechanics of composite materials, experimental mechanics, damage mechanics, nondestructive evaluation.
- **Leon M. Keer**, Professor; PhD, Minnesota. Member, National Academy of Engineering. Contact/fracture mechanics, elasticity.
- **John W. Rudnicki**, Professor; Ph.D., Brown. Inelastic behavior, fracture and failure of solids, mechanics of earth faulting, coupling of fluid flow with deformation.

Transportation Systems Analysis and Planning

- ***David Boyce***, Adjunct Professor, PhD, University of Pennsylvania. Key methodological issues related to metropolitan transportation and land use planning. Formulating, implementing, estimating, and validating large-scale, integrated models of travel behavior.
- ***Pablo L. Durango-Cohen***, Asst Professor, PhD, CA—Berkeley. Infrastructure deterioration, production, operations, manufacturing and service management, adaptive control, management of civil infrastructure systems.
- ***Frank S. Koppelman***, Professor Emeritus; PhD, MIT. Travel demand analysis, statistics, modeling, econometrics, forecasting.
- ***Yu Nie***, Louis Berger Jr Asst Professor; PhD, CA—Berkeley. Network optimization, traffic flow theory/simulation.
- ***Hani S. Mahmassani***, William A. Patterson Distinguished Chair in Transportation; PhD, MIT, multimodal transportation systems analysis, dynamics of user behavior and telematics, large-scale human infrastructure systems, and real-time operation of logistics and distribution systems.
- ***Joseph L. Schofer***, Professor; PhD, Northwestern. Transportation evaluation, safety, market research, traveler behavior and benefits, policy analysis and planning.

Master of Project Management

- ***Ahmad Hadavi***, Adjunct Professor, PhD, Northwestern, Assoc Director, Master of Project Management.
- ***Raymond J. Krizek***, Stanley F. Pepper Professor; PhD, Northwestern. Member, National Academy of Engineering. Director, Master of Project Management program.

Northwestern University Department of Civil & Environmental Engineering ...

... Admission Requirements and Supporting Materials

Applications and Supporting Materials are due in the CEE Department December 31, 2008

CEE graduate students come from throughout the world with degrees in a variety of fields including engineering, mathematics, the physical sciences, management, economics, and other social sciences. Admissions decisions are based on the overall academic picture presented through GRE exams and transcripts, as well as the equally weighted importance of the Statement of Purpose and Letters of Recommendation:

1. Transcripts

Two official transcripts (bearing the registrar's signature and/or the institution's seal) are required from each post-secondary institution attended, including records from courses in any university level institution attended abroad.

If you are working toward a master's degree at another institution you must submit official transcripts of your undergraduate work as well as an official transcript of all graduate work completed at the time of filing your application to Northwestern University. Transcripts should show all the coursework taken, whether or not within a degree program, the grades received, and the degrees earned.

We must also receive certification of conferral of degrees, including the date each degree was awarded. This information may be included on the final transcript or on the diploma.

Note to International Applicants

Your academic records should provide a listing, year-by-year, of all post-secondary courses taken and the grade or marks received for each one. It is helpful to have the grading scale of the institution and your rank in class when such information is available.

To be considered, all non-English documents must be accompanied by official English translations. These translations must bear an original ink signature and seal, translations alone cannot be accepted.

2. Letters of Recommendation

Letters of Recommendation are always sought after and read with great interest by the reviewing Faculty. Please select a minimum of 2 professors or supervisors familiar with your academic or professional work to be your recommenders. Ask each one to submit their Letter of Recommendation using one of these two methods:

- a. ELECTRONICALLY – while completing the online application, you will have the option to select to have your Letter of Recommendation submitted online. If you make that selection, the online application software will email each of your recommenders regarding your request for them to submit their Letter of Recommendation online. Recommenders may then submit letters online using standard word processing software. When your recommender submits his or her Letter of Recommendation online, the letter will be transmitted electronically for the Department of Civil and Environmental Engineering to access.
- b. BY PAPER – Letters of Recommendation submitted through regular or expedited postal service should be printed on official letterhead and contain the original signature of your recommenders. Your name and the name of the program to which you are applying should be included in each letter. Be sure to have your recommenders sign the sealed envelope across the envelope seal. Submit your unopened Letters of Recommendation along with your other Supporting Materials to: Northwestern University / ATTN -- Academic Coordinator / Dept of Civil & Environmental Engineering / 2145 N. Sheridan Road - Tech A236 / Evanston, IL 60208-3109.

3. Statement of Purpose

Your Statement of Purpose is your chance to be forthright and specific about the direction of your strong interests! Do you find your future shaping up for the exciting engineering job market of today, or is your passion for the academic world of research and teaching? Be as specific as possible about your qualifications and research interests. And last but not least, include why you have specific interest in NU's Civil and Environmental Engineering Department and/or a particular CEE professor's work.

Your Statement of Purpose may be submitted electronically as part of the online application. The statement should be about 1 page. Or, if you choose, you can submit your Statement of Purpose in your Supporting Materials packet. Be sure to include your Full Name, Date of Birth and the program to which you are applying under the title of "Statement of Purpose."

4. Graduate Record Examination (GRE) Scores

To be considered official ...

- ... Official GRE exams must be taken LESS than 5 years before your Fall Quarter of Entry, Fall 2009.
- ... GRE scores must be received directly from the Educational Testing Service (ETS) by using Northwestern University's Institution Code 1565 in your request to ETS for electronic score transmission. If your scores are not transmitted by way of this code, Northwestern University will not receive them. Notarized score reports cannot be accepted as official.

However, it is to your advantage ...

- ... to include a paper copy of your GRE score report in your Supporting Materials packet. The CEE Department can use your paper copy provisionally until your official scores are transmitted by ETS.

For your information, we include below the range of GRE and Cumulative Grade Point Average scores which CEE Faculty seek when evaluating a prospective student.

GRE—Verbal scores ranged from 630-800

GRE—Quantitative scores ranged from 700-800

GRE—Analytical (previous scoring) scores ranged from 720-800

GRE—Analytical writing ranged from 4.5-6.0

Cumulative Grade Point Average—3.25 - 4.00

5. International Applicants: Certification of Proficiency in English—TOEFL Scores

Much of your success in graduate study in the United States will rest on your ability to understand, read, write and speak English. If English is not your native language or has not been your Language of Instruction, evidence of English proficiency will be.

International MS degree applicants – TOEFL required

- International applicants for the MS degree (*whose native language is not English or whose undergraduate degree is not from an accredited four-year institution where the Language of Instruction is English*), must submit a TOEFL score report (Test of English as a Foreign Language).

International PhD degree applicants – TOEFL with an iBT Speaking Score of 26 or higher required

- International applicants for the PhD degree (*whose native language is not English or whose MS degree is not from an accredited institution where the Language of Instruction is English*) must submit the TOEFL score.
- ***In addition, PhD applicants who have received a speaking score of at least 26 on the Spoken English component of the Internet-based TOEFL exam will be eligible to meet the Spoken English requirement for Teaching Assistantship appointments.***

To review, you may use 1 of these 3 Methods to certify your proficiency in English.

- Method 1. Provide official scores for the TOEFL exam. An applicant must score 600 or higher on the paper-based TOEFL exam, or 250 or higher on the computer-based TOEFL exam, or 100 or higher on the internet-based TOEFL exam.
- Method 2. If you provide official transcripts showing that you have earned an undergraduate degree (by Fall 2009) from an accredited four-year institution, where the Language of Instruction is English -- then your TOEFL requirement can be waived. ***However, if you are a PhD degree applicant, you are still required to submit an Internet-based TOEFL (iBT) Speaking Score of 26 or better in order to satisfy the spoken English requirement for a Teaching Assistantship appointment.***
- Method 3. If you provide official transcripts showing that you have earned a graduate degree (by Fall 2009) from an accredited institution where the Language of Instruction is English -- then your TOEFL requirement can be waived. ***However, if you are a PhD degree applicant, you are still required to submit an Internet-based TOEFL (iBT) score of or better in order to satisfy the spoken English requirement for a Teaching Assistantship appointment.***

To be considered official ...

- ... Official TOEFL exams must be taken LESS than 2 years before your Fall Quarter of Entry, Fall 2009.
- ... TOEFL scores must be received directly from the Educational Testing Service (ETS) by using Northwestern University's Institution Code 1565 and Department Code 01 in your request to ETS for electronic score transmission. If your scores are not transmitted by way of these codes, Northwestern University will not receive them. Notarized score reports cannot be accepted as official.

However, it is to your advantage ...

- ... to include a paper copy of your TOEFL score report in your Supporting Materials packet. The CEE Department can use your paper copy provisionally until your official scores are transmitted by ETS.

... Application Instructions

Applications and Supporting Materials are due in the CEE Department December 31, 2008

Additional information on admission procedures and requirements may be found at The Graduate School web site, <http://www.tgs.northwestern.edu/admission/>. Answers to Frequently Asked Questions may be found at <http://www.tgs.northwestern.edu/admission/faq/>.

To apply online, please go to the official Northwestern University Graduate School Online Application. <https://app.applyyourself.com/?id=nwu-grad> Click "Create Account" to begin. You are free to add or change information in your application at any time until you feel that the application is ready for submission. The Application Fee of \$75 is payable by credit card during the online application process.

It is the policy of Northwestern University not to discriminate against any individual on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, age, disability, or veteran status in matters of admissions, employment, housing or services, or in the educational programs or activities that it operates, in accordance with civil rights legislation. Any alleged violations of this policy or question regarding the law with respect to nondiscrimination should be directed to Daniel Linzer, provost, Rebecca Crown Center, Evanston, Illinois 60201, phone (847) 491- 5117; Northwestern University reserves the right to change without notice any statement in this brochure concerning but not limited to, rules, policies, tuition, fees, curricula and courses.

... Due Dates and Financial Support

Applications and Supporting Materials are due in the CEE Department December 31, 2008

All Applicants are asked to begin study in the Fall Quarter (approximately September 20th) of a given academic year. Sequentially-offered courses start in the Fall of each academic year, and it is advantageous to be present for the beginning of the sequence. In addition, all financial support packages begin in the Fall Quarter.

PhD Degree Applicants need to have a completed Online Application and Application Fee electronically submitted by December 31, 2008. In addition, all of your Supporting Materials need to be received by the CEE Department (at the address below) by December 31, 2008. If you submit them to The Graduate School, it will cause undue delay in entering your application into Faculty Review.

MS Degree Applicants Your completed Online Application and Application Fee both need to be submitted by December 31, 2008. Faculty members seek to review their entire new cohort of MS degree and PhD degree students as a group, so that they can plan time, courses, and resources for a good mix of MS degree and PhD degree students.

... Types of Financial Support for PhD degree students

The Department of Civil and Environmental Engineering offers a substantial number of academic quarters of fellowship and assistantship support for outstanding PhD degree students. The table below shows an example of a typical year's financial aid offers:

<u>Type of Support</u>	<u># of Quarters Offered</u>
Cabell Fellowships	6
Murphy Fellowships	38
ITI Fellowships	6
Minority Fellowships	6
Research Assistantships	20
Teaching Assistantships	23



- **Royal E. Cabell Fellowships:** A highly competitive fellowship offered to the most qualified incoming PhD degree applicants in the *Robert R. McCormick School of Engineering and Applied Science* (McC). This fellowship is reserved for United States citizens and permanent residents pursuing a PhD degree. Minimum requirements for nomination are as follows: Cumulative Grade Point Average (GPA) of at least 3.70, Graduate Record Exam (GRE) verbal score of at least 600; quantitative score of at least 760, GRE analytical score at least 715 (old method of scoring) or a GRE analytical writing score of at least 5.5 (new method of scoring). Tuition is paid by a University Scholarship, and a \$17,910 stipend (Fall 2008 figures; Fall 2009 not yet available) is paid in monthly installments over the 9-month academic year.
- **Walter P. Murphy Fellowships:** A prestigious reward for outstanding engineering students who are targeting PhD degree studies. Candidates can be United States citizens, permanent residents, or international students. Top GPA and GRE scores are required. Awards are allocated by McCormick and appointed by the department's fellowship committee. Tuition is paid by a University Scholarship, and a \$15,084 stipend (Fall 2008 figures; Fall 2009 not yet available) is paid in monthly installments over the 9-month academic year.
- **Infrastructure Technology Institute (ITI) Fellowship:** A fellowship program for US and international PhD degree applicants who are interested in developing new technologies for constructing and maintaining the infrastructure. These fellowships lead to exciting participation in Northwestern University's ITI research programs.
- **Research Assistantships:** PhD degree students who are appointed Research Assistants are funded by sponsored research projects – Tuition is paid by the University, and a \$15,084 stipend (Fall 2008 figures; Fall 2009 not yet available) paid over the 9-month academic year. Selection as a Research Assistant (RA) is based on academic record, GRE scores, and the ability to contribute to a specific research project. Normally, an RA appointment requires at least a 20-hour per week commitment to the research project. RA positions are open to U.S. and international PhD degree applicants.

- **Graduate Assistantships (formerly Teaching Assistantship):** Graduate Assistants (GA) commit 20 hours per week to activities such as holding review sessions, grading papers, and meeting with students. GA positions are open to US and international PhD degree students – Tuition is paid by a University Scholarship, and a \$1,728 (Fall 2008 figure; 2009 is not available yet) per month stipend is paid during the quarter in which the student is appointed as a GA.
 - **Please note:** International PhD degree applicants (whose native language is not English or whose BS or MS degree is not from an accredited institution where the Language of Instruction is English) are required to show a proven ability to communicate effectively in English by submitting a Speaking Score of 26 on the Internet-based TOEFL. This will satisfy the language requirement for a Teaching Assistantship appointment.
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... Types of Financial Support for MS degree applicants

Please note that even though MS degree students are not currently funded by Northwestern University, we strongly encourage our MS degree applicants to view their MS degree studies as a personal investment toward a very satisfying and lucrative future, and, thus, seek funding through loans, part-time work opportunities, and fellowships targeted to the MS degree student.

The CEE Department continuously has many self-supported MS degree students who count their financial cost toward the MS degree as a vital investment in their marketability for the engineering job market!

For fellowship opportunities and information regarding student loans, visit the NU Office of Fellowships at www.northwestern.edu/fellowships and the NU Graduate Schools student loans information page at www.tgs.northwestern.edu/financialaid/studentloans

REMINDER

All Supporting Materials must arrive in the CEE Department by December 31, 2008.

You may direct your supporting materials through US Mail or expedited mail to: Northwestern University / Dept of Civil & Environmental Engineering / ATTN: Academic Coordinator / 2145 N. Sheridan Road / Tech #A236 / Evanston, IL 60208-3109.

Direct any questions to civil-info@northwestern.edu and we will respond as quickly as possible, so that you may have a successful Application/ Admission experience!