

**Doctor of Philosophy
Civil and Environmental Engineering
Student Handbook**

2018-2019

November 2018

Also available online

<http://www.cee.northwestern.edu/>

Important Dates Academic Year 2017-2018

Event	Date
CEE Orientation	9/18/2018
TGS Graduate Student Orientation	9/17/2018
Fall Registration	9/24/2018 – 10/3/2018
McCormick New Graduate Student Luncheon	9/25/2018
Fall quarter 2018 classes begin	9/27/2018
Society of Women Engineers Career Fair	10/18/2018
CEE Fall Career Fair	10/20/2018
Deadline for official transcripts to be received by TGS	10/26/2018
Last day to drop a class for Fall	11/2/2018
Application for a Degree via CAESAR for fall 2018 graduation	11/2/2018
Winter Registration begins	11/12/2018
Thanksgiving vacation	6 pm 11/21/2018 – 11/25/2018
M.S. completion form due to TGS for fall 2018 graduation	12/7/2018
Fall quarter classes end	12/8/2018
Fall quarter final exam	12/10 – 12/15/2018
Winter break	12/15/2018 – 1/6/2019
McCormick MS/PhD Recognition and Hooding Ceremony	12/15/2018 (tentative)
Winter quarter 2019 classes begin	1/7/2019
Last day to add or change a course	1/11/2019
Martin Luther King Day observance (no classes)	1/21/2019
Tech Expo Engineering Career Fair (McCormick Career Development Office)	1/17/2019
CEE Winter Career Fair	1/26/2019
Application for a Degree via CAESAR for winter 2019 graduation	2/8/2019
Last day to drop a class for Winter	2/15/2019
Spring registration begins	2/25/2019
M.S. completion form due to TGS for winter 2019 graduation	3/15/2019
Winter classes end	3/16/2019
Winter quarter final exam	3/18 – 3/23/2019
Spring break	3/23 – 3/31/2019
Spring quarter classes begin	4/1/2019
Last Day to add or change a course	4/5/2019
Summer registration begins	4/8/2019
Application for a Degree via CAESAR for spring 2019 graduation	4/12/2019
Last day to drop a class for Spring	5/10/2019
M.S. completion form due to TGS for spring 2017 graduation	5/17/2019
Fall 2019 registration begins	5/20/2019
Memorial Day observance (no classes)	5/27/2019
Spring classes end	6/8/2019
Event	Date
Spring quarter final exam	6/10 – 6/15/2019

CEE Graduation Reception for graduates and families – by invitation August 2018 to June 2019 graduates	6/20/2019
Commencement	6/21/2019
McCormick M.S. Recognition	6/22/2019
Summer classes begin	6/24/2019
Independence Day observance (no classes)	7/4/2019
Application for a Degree via CAESAR for summer 2019 graduation	7/19/2019
M.S. completion form due to TGS for summer 2019 graduation	8/16/2019

Preface

This handbook is intended to provide you with a comprehensive guide to the Doctor of Philosophy (Ph.D.) degree in Civil and Environmental Engineering (CEE) programs, The Graduate School (TGS) at Northwestern University. We hope this handbook will enhance your experience at Northwestern.

This handbook is prepared as a handy reference guide to the degree requirements, programs, policies, and procedures of the Department and The Graduate School. We hope that you will find the information you need for both planning and understanding your Ph.D. education.

The Department would also like to emphasize the importance of social and ethical implications of an engineer's work in the betterment of the society. Through student professional organizations, departmental seminars, and many ethnics groups, you can interact with world renowned researchers and engineers, and experience diverse cultures. You can also interact with professionals in the greater Chicago area through meetings hosted by various professional groups. We hope you will take full advantage of the opportunities presented to you during your stay with us.

We hope you find this handbook a useful resource for your Ph.D. study. We wish you much success and welcome your suggestions for improvement of the handbook.

Kimberly Gray, Ph.D.

Kay Davis Professor and Chair
Civil and Environmental Engineering

David Corr, Ph.D., P.E.

Clinical Professor and Director of Graduate Studies
Civil and Environmental Engineering

Introduction

Welcome to the Department of Civil and Environmental Engineering (CEE), McCormick School of Engineering and Applied Science at Northwestern University. CEE offers the Doctor of Philosophy (PhD) degree in four Program Areas:

1. Environmental Engineering and Science (EES)
2. Geotechnics (GEO)
3. Transportation Systems Analysis and Planning (TRN)
4. Mechanics, Materials, and Structures (MMS)

The faculty, staff, and students at CEE look forward to interacting with you so that you can enjoy the maximum learning, social, and cultural experience Northwestern University can offer you. This handbook is part of our effort to help you achieve this goal. We hope you will thoroughly read this handbook at least once to see the types of information included here. We also hope that you will refer to it whenever you have an academic related question. Of course, our faculty and your peers are available to address any issue you may have. Please feel free to contact them.

A new edition of the handbook is published annually to coincide with each academic year. Revisions will be made as needed each quarter; revision dates are shown on the cover page and the footer of each page. The handbook is also available online on the CEE department website.

To assist us in the continuing effort to improve this document, please send your suggestions and comments to Professor David Corr, Director of Graduate Studies and Clinical Associate Professor at d-corr@northwestern.edu.

Degree Requirements

The Department of Civil and Environmental Engineering (CEE) offers The Graduate School (TGS) Doctor of Philosophy (PhD) degree in four (4) Program Areas. The requirements for the PhD degree vary depending on the program area, however each program area shares these common requirements:

1. **Coursework.** TGS requires a minimum of nine courses to be completed for a letter grade (e.g. A, B, C, etc). Transfer credits are not allowed. Individual programs may require more than nine units. Students completing a MS degree in the same program along the way to earning a PhD may be able to use some of the MS coursework to meet the coursework requirement, depending on the guidelines of the individual program and consent of the advisor.
2. **Residency.** TGS requires students to complete a minimum of eight (8) quarters of full-time study to fulfill the residency requirement for the PhD degree. Full time enrollment is defined as 3 or 4 units of coursework or research in a quarter. No residency will be awarded for study away from Northwestern.
3. **Candidacy.** Admission to Candidacy is a milestone where faculty assess whether a student has acquired sufficient knowledge and experience to proceed with PhD research. The initial offer of admission to the PhD program does not guarantee Admission to Candidacy. The process for admission to candidacy is:
 - a. A PhD student entering NU with a previously earned MS degree should be considered for Admission to Candidacy at the end of the first academic year (end of 3rd quarter). A PhD student entering NU without a MS degree should be considered no later than the end of the second academic year (end of 7th quarter), preferably in Fall quarter of second year (end of 5th quarter).
 - b. PhD students must meet TGS's English Proficiency requirement (international PhD students only).
 - c. PhD students must have a research advisor who has agreed to supervise their PhD studies before consideration.
 - d. Admission to Candidacy requires passing the Qualifying Exam. The Qualifying Exam is held with a committee of at least three faculty members, one of whom (not the advisor) will be designated as Chair. The Qualifying Exam is not open to the public. The subject matter of the Qualifying Exam will be tailored to the research area, and will involve a research task, written report, oral presentation, and/or oral examination of the student's work.
 - i. The grades for the Qualifying Exam are: pass, provisional pass, and fail; occasionally a high pass will be awarded to those students who perform extraordinarily well. A grade of pass means the Qualifying Exam requirement is satisfied. Students will be notified of the exam outcome, both verbally and in writing, at the conclusion of the exam.
 - ii. A students receiving a provisional pass grade are given conditions and a time interval under which a passing grade will be awarded. Although the Qualifying Exam requirement will not be satisfied until these conditions are met, a re-take of the Qualifying Exam is not required. The Chair of the examining committee will monitor the completion of the conditions.

- iii. A student receiving a grade of fail on the Qualifying Exam may retake the exam once; a second failing grade will result in the student not being allowed to continue in the PhD program. It is recommended that the exam be retaken within one quarter of the first attempt.

The Qualifying Exam process is scheduled and managed by the CEE Director of Graduate Studies (currently David Corr) and CEE Program Coordinator (currently Melissa Koelling).

- e. The standard for Admission to Candidacy is a graduate GPA at Northwestern of 3.5.
 - f. Following satisfaction of the requirements in (b) through (e) above, the CEE Director Graduate Studies will approve Advancement to Candidacy with TGS.
4. Prospectus. The Prospectus process typically involves development of a written research proposal that will culminate in the dissertation. This research proposal is presented and defended in oral form to the prospectus committee.
 5. Committee. Typically, the committee for the Prospectus and Dissertation will consist of four members, one of which is from outside of Program Area. PhD students are free to have larger committees if they wish. The Prospectus and Dissertation committees need not be the same as the Qualifying Exam committee. Individual Program Areas may alter the committee makeup. In most cases, the committee will be determined through discussion between the PhD student and advisor.
 6. Dissertation. PhD students must complete a written dissertation that is a significant and original research contribution, based on the research proposal in the Prospectus. PhD students defend the dissertation in a presentation open to the public. The details of the individual dissertation and defense are up to the advisor and PhD student, and subject to the requirements available on the TGS website.

Program-Specific Requirements:

Individual programs may have expansions or alterations to the requirements outlined above. To view the current practices in your program, please consult the CEE website:

<http://www.mccormick.northwestern.edu/civil-environmental/graduate/index.html>

Responsibility for Meeting Degree Requirements

Ultimately, students are responsible for understanding the degree requirements for their specialty area and for planning their courses of study accordingly. CEE, TGS, and the McCormick Assistant Dean of Graduate Study are valuable resources for academic information. Faculty advisors will assist you in course selection and research activities. However, they are not responsible for ensuring that you meet all the degree requirements including grade point average (GPA) requirement - that is the responsibility of the student.

Academic Advising

The Department is using the GSTS (Graduate Students Tracking System) to monitor the academic progress of all graduate students. You will have a 24/7 access to your unofficial academic record (the only official academic record is the transcript issued by the Registrar Office). GSTS is:

<https://gsts.northwestern.edu/site/login>.

You can login with your NETid and password.

While GSTS is a useful tool for academic progress, your advisor is your primary resource for academic and professional advices. As experts in their fields, you should take the opportunity to interact with your advisors as often as possible.

1. Academic Advisor

With some exceptions, each new PhD student is automatically assigned to be advised by the area coordinator of the program area they join:

Environmental Engineering and Science: J-F Gaillard

Geotechnics: Richard Finno

Transportation Systems Analysis and Planning: Marco Nie

Mechanics, Materials and Structures: Gianluca Cusatis

This initial assignment is for orientation purposes and to ensure you have a contact to select courses for your first quarter of study. As the fall quarter begins, you should begin the process of identifying a faculty member who will serve as your PhD advisor for the duration of your studies. CEE does not have a formal matching process by which students are assigned to advisors. We allow the process to happen organically, and in order for this to work properly, students must reach out to faculty to identify mutual interest. The program area coordinator can help you to get this process started – speak to this person if you are unsure of how to proceed. Your goal should be to identify a thesis advisor no later than the end of your third quarter of study.

Once you have selected an advisor, please contact the academic program coordinator (Melissa Koelling), the director of graduate studies (David Corr), and your area coordinator with this information. Please log your advisor selection in GSTS as well.

2. Curriculum Plan

The curriculum plan is highly dependent on the program you are in, the research topic you intend to pursue, and the opinions of you and your advisor. Please consult with your advisor to select appropriate coursework. Once you select a curriculum plan, it may be entered in GSTS.

3. Satisfactory Progress

According to The Graduate School (TGS) requirements

<http://www.tgs.northwestern.edu/about/policies/satisfactory-academic-progress.html>, a GPA of 3.0 is required for graduation. A GPA below 3.0 in any quarter will place a student on probation. Probation is intended as a notice of unsatisfactory academic performance and constitutes a warning that improvement must be made in subsequent work to demonstrate progress toward the PhD degree. TGS allows a student up to two (2) consecutive quarters to return to satisfactory progress (quarter and cumulative GPA \geq 3.0). Lack of improvement or evidence of inability to complete the work successfully in a given curriculum may provide reason for exclusion (dismissal).

Departmental Policies

1. Academic Integrity

CEE holds all members of the department to high standards of Academic Integrity. It is expected that new graduate students become familiar with the policies of academic integrity as outlined by TGS and the Office of the Provost:

<http://www.tgs.northwestern.edu/about/policies/academic-integrity.html>

<http://www.northwestern.edu/provost/policies/academic-integrity/principles.html>

Please note that per TGS's Academic Integrity policy, we do not handle violations within our department – these matters are forwarded to the Associate Dean of Student Services at TGS, and are handled by the TGS protocol.

2. English Proficiency

The faculty of CEE view proficiency in the English language as one of the primary educational components of PhD study at Northwestern University. As outlined in the Degree Requirements students must pass the TGS English Proficiency requirements before admission to candidacy. English Proficiency is also a requirement to serve as a teaching assistant in the department. The options available for passing the English Proficiency requirement are available on the Assistantships page of the TGS website:

<http://www.tgs.northwestern.edu/funding/assistantships/graduate-and-teaching.html>

3. Teaching Assistantships (TAs)

All CEE PhD students are required to have a significant teaching experience during their PhD studies; this requirement is typically satisfied by serving as a TA for one or more quarters. PhD students must satisfy TGS's English Proficiency requirement before being appointed as a TA.

TA positions are half-time appointments, with salary paid by departmental funds, for which PhD students are expected to work 20 hours per week and report to the instructor of the course. During the quarter that the PhD student is serving as a TA, the 20 hours of effort is the source of the PhD students funding, and must therefore be the first priority of the student's effort in that quarter. Other activities such as his/her own coursework and research must fit within the schedule required of the TA position. TAs are encouraged to attend the lectures of the courses they TA for, and in the case of TAs being unfamiliar with the course material, lecture attendance is mandatory.

4. Responsible Conduct of Research (RCR)

All CEE PhD students are required to complete RCR training as soon as possible after entering the program, and no later than the end of the third quarter of study. RCR training consists of two parts: (1) online training provided by CITI, and (2) an in-person course offered by McCormick. PhD students must complete BOTH of these courses to be in compliance with RCR. The RCR policy is outlined at the following webpage:

<http://www.research.northwestern.edu/ori/training/rcr/>

5. Appeals

The CEE faculty and staff make every effort to ensure that each student's progress is carefully reviewed and the resulting feedback is accurate and constructive. In spite of these efforts, there may be instances in which a student feels a review decision is unjust or based on incomplete or inaccurate

information. If this occurs, there are appeal channels available to the student. We encourage students with such a conflict to proceed in the following order:

1. Bring the concern to the advisor or other committee member to discuss; there may have been a simple misunderstanding that can be resolved quickly.
2. If the student and faculty are unable to resolve the concern, the student should bring the appeal to the Director of Graduate Studies (DGS) and/or the CEE chairperson.

In the event of an appeal, the DGS will follow the TGS grievance policy as outlined in the TGS Catalog.

6. Computer Policies

It is incumbent on any person who uses University resources, such as computers and associated networks, to ensure that they are not using illegal software. Downloading and using software that was obtained illegally is against University policy. Obtaining software legally means that either you personally, or your advisor through NU, has paid for the correct number of copies of the software for the number of computers you have installed the software on.

It is also against University policy to illegally download copyrighted material, such as movies, videos, mp3's, scientific papers, magazine articles, etc. Any person who has violated this policy is subject to the disciplinary action determined by the university.

There are many alternatives to using illegally obtained software. The University provides a limited number of software titles available for students on the IT website at:

<http://www.it.northwestern.edu>

located under the "Students" tab. Also, many software titles are available either free, or at a reduced cost, for educational purposes. In addition, there are many free alternatives to standard software titles, such as Open Office, that can be used freely and are very robust.

Any questions or concerns about this matter should be directed to your advisor or the CEE IT Coordinator (Craig Neumann).

7. Laboratory Safety Training and Policies

All PhD students must be on the official Office for Research Safety lab roster, and must complete all ORS and CEE required lab safety training and preparation, ***before he or she can begin any lab work.*** The required training can be taken on-line. The first step is discussing with the Lab Coordinator (LC) what you intend to do in the lab, and what hazards may be involved. The LC will also explain the lab rules of etiquette and cleanup. Then, the LC will add you to the lab roster. Once you are on the roster, you will receive email notification from NSIS, the automated training web site. The email will provide links to take the on-line ORS training. They can be taken from any NU computer, or off campus (requires VPN). The LC will be notified when you have successfully completed the ORS training.

All lab workers must complete the CEE on-line training:

<http://www.mccormick.northwestern.edu/civil-environmental/research/lab-safety.html>.

Applicants should read the Safety Guide, then take the Safety Quiz. Submit the quiz as an attached file (pdf, doc, txt, etc) to Dave Ventre at d-ventre@northwestern.edu

Upon successful completion of the Safety Quiz, the LC will give you your lab access code and you can begin lab work. Please note that our labs and workshops contain certain specialty machines and tools that require individual, hands-on training to operate safely. This includes MTS machines, the Hobart mixers, saws, grinders, drills, hand tools, welding equipment and others. Most are kept locked. Using any such machines without proper training and LC approval is strictly forbidden. Anyone working in a lab without the required training, failing to follow lab safety and hygiene rules, or operating equipment without proper training and authorization, will have their lab access and privileges suspended.

Missions

Northwestern University

Northwestern is committed to excellent teaching, innovative research, and the personal and intellectual growth of its students in a diverse academic community.

The Graduate School

The mission of The Graduate School at Northwestern University is to cultivate an environment of academic excellence where graduate students and postdoctoral fellows are enabled to learn, discover, and create knowledge that enlivens an understanding of human endeavors and the world in which we live.

Department of Civil and Environmental Engineering

We inspire and cultivate innovative leaders and problem solvers prepared to address complex societal-scale challenges in areas of resilient infrastructure, smart and sustainable cities, water and energy security, climate change, mobility of goods and people, and environmental protection. We achieve this mission through:

- 1. Education that advances the intellectual development of our students using modern engineering curricula focused on quantitative and predictive methods, academic and professional mentoring, and service-based learning;*
- 2. Research that leads to new theories and techniques and transforms our ability to design, construct, and manage society's infrastructure, control material behavior, and sustain natural and engineering systems around the world;*
- 3. Cultivation of a diverse community of scholars, who, through motivation to serve society, are prepared to lead management and decision-making both insider and outside of the Civil and Environmental Engineering professions.*

The above mission statements can be found on the websites:

University – <http://www.northwestern.edu/provost/about/index.html>

The Graduate School – <http://www.tgs.northwestern.edu/about/index.html>

CEE Department - <http://www.mccormick.northwestern.edu/civil-environmental/about/mission-vision-statement.html>

Student and Professional Organizations

Student and professional organizations provide networking opportunity and seminars on the state of the art research and design in the civil and environmental engineering profession. The Department of Civil and Environmental Engineering is home to the Student Chapter of American Society of Civil Engineers (NU ASCE). Professional organizations of all branches of civil and environmental engineering have local section in Chicago area which hosts monthly meetings. You are encouraged to attend some of these meetings to interact and network with the engineering profession. Following is a list of organizations you may consider participating.



Northwestern University American Society of Civil Engineers Founded in 1852, the American Society of Civil Engineers represents more than 140,000 members of the civil engineering profession worldwide and is America's oldest national engineering society. ASCE's mission is to provide essential value to our members and partners, advance civil engineering, and serve the public good.

The Mission of NUASCE is *to create a more informed and involved Civil Engineering community by providing opportunities to apply and further refine technical skills, increasing student and faculty interactions, and preparing students to enter the professional engineering industry.* Through NUASCE you will have the opportunity to meet other students with similar interests, network with professionals, and participate in exciting design competitions such as concrete canoe and steel bridge. Most importantly, the student chapter prides itself on creating a strong community of engineers, and they would love for you to join!!! For more information, visit their website: <http://asce.mccormick.northwestern.edu>.

Other student organizations:

Civil and Environmental Engineering Graduate Association (CEEGA) – see Prof. David Corr, faculty advisor.

McCormick Graduate Leadership Council (MGLC) Founded in 2006, the MGLC fosters community among all McCormick graduate students. <http://mglc.mccormick.northwestern.edu/>

Graduate Student Association (NUGSA) at Northwestern enhances graduate students' experiences in and out of the classroom and strives to create resources and programs to improve the quality of students' lives. <https://nugsa.wordpress.com/>

Graduate Leadership and Advocacy Council (GLAC) is the voice of graduate students in academic and administrative matters at Northwestern University and a forum for graduate student leaders. <http://groups.northwestern.edu/glc/#GLC> <http://sites.northwestern.edu/glac/>

Chicago Area Professional Organizations



Illinois Section American Society of Civil Engineers represents Civil Engineers in Northern Illinois. The Section has five technical groups and the Younger Member Group (YMG). The technical groups are Environmental and Water Resources Institute (EWRI), Geo Institute (GEO), Structural Engineering Institute (SEI), Transportation and Development Institute (T&DI), and Urban Planning and Development (UBD). All groups hold monthly lunch or dinner meeting. YMG usually hosts social event for younger engineers of

all disciplines to network and they also sponsor a number of outreach events to pre-college students. For more information, visit <http://www.isasce.org/>.

American Concrete Institute (ACI) <https://www.concrete.org/>

American Institute of Steel Construction (AISC) <http://www.aisc.org/>

Institute of Transportation Engineers (ITE) <http://www.ite.org/>

Structural Engineers Association of Illinois (SEAOI) advances and advocates excellence in structural engineering and to aid in safeguarding the public. <http://www.seaoi.org/index.html>
<https://www.seaoi.org/>

Transportation Research Board (TRB) <http://www.trb.org/AboutTRB/AboutTRB.aspx>

Internship and Career Development

Civil and Environmental Engineering Career Fair

Through the joint effort of NUASCE and EnvEUS, the inaugural **CEE Career Fair** was held in 2013. Starting in 2015, the CEEGA (CEE Graduate Association) joined the Career Fair as a new sponsor. CEE Career Fair focus on interaction between firms that hire civil and environmental engineering graduates for full time engineering positions and for internships. Watch for the announcement of this annual event in November and December. The event is held annually in January. The Department also maintains a web page <http://www.mccormick.northwestern.edu/civil-environmental/current-students/index.html> where internships and graduate engineer positions are posted when the information is sent to the Department. We suggest you check on the site periodically to see what is being posted.

McCormick Office of Career Development (MCD)

MCD <http://www.mccormick.northwestern.edu/career-development/index.html> provides career preparation and employment assistance through a variety of work-integrated learning programs including co-op engineering education, internships, research experience, and service learning. Register with **McCormickConnect** (<http://www.mccormick.northwestern.edu/career-development/mccormickconnect.html>) to receive information on job postings, resume submissions, interview schedules, career events, or meet with a MCD advisor. MCD is located in Room 2.350 in Ford Building.

Northwestern Career Advancement (NCA)

The mission of Northwestern Career Advancement is to foster excellence in career development, preparation, and professional opportunities for undergraduate and graduate students and alumni by providing comprehensive services and programming and by promoting strong partnerships with employers, academic departments, and the university community.

<http://www.northwestern.edu/careers/>

Department of Civil and Environmental Faculty

Jan Achenbach (Emeritus Professor)
Mechanics, Materials, and Structures

Arantzazu Alarcon-Fleming
Mechanics, Materials, and Structures

Zdeněk Bažant
Mechanics, Materials, and Structures

Larry Booth
Architectural Engineering & Design

Karen Chou (Assistant Chair, STR Coordinator)
Mechanics, Materials, and Structures

Gianluca Cusatis (MMS Coordinator)
Mechanics, Materials, and Structures

Robert Dalrymple
Environmental Engineering & Science

Charles Dowding
Geotechnical Engineering

Richard Finno (GEO Coordinator)
Geotechnical Engineering

Kimberly Gray (Department Chair)
Environmental Engineering & Science

James Hambleton
Geotechnical Engineering

Yonggang Huang
Mechanics, Materials, and Structures

Sinan Keten
Mechanics, Materials, and Structures

Luisa Marcelino (Research Professor)
Environmental Engineering & Science

Yu (Marco) Nie (TRN Coordinator)
Transportation Systems Analysis & Planning

Ange-Therese Akono
Mechanics, Materials, and Structures

Oluwaseyi Balogun
Mechanics of Materials & Structures

Neil Blair
Environmental Engineering & Science

Giuseppe Buscarnera
Geotechnical Engineering

Mark Clark
Environmental Engineering & Science

David Corr (Director of Graduate Study)
Mechanics, Materials, and Structures

Isaac Daniel
Mechanics, Materials, and Structures

Pablo Durango-Cohen
Transportation Systems Analysis & Planning

Jean-François Gaillard (EES Coordinator)
Environmental Engineering & Science

Ahmad Hadavi
Project Management

Erica Hartmann
Environmental Engineering & Science

Leon Keer (Emeritus Professor)
Mechanics, Materials, and Structures

Raymond Krizek (MPM Director)
Geotechnical Engineering; Project Management

Hani Mahmassani (TC Director)
Transportation Systems Analysis & Planning

Aaron Packman
Environmental Engineering & Science

John Rudnicki
Mechanics, Materials, and Structures

Surendra Shah (Emeritus Professor)
Mechanics, Materials, and Structures

George Wells
Environmental Engineering & Science

Joseph Schofer
Transportation Systems Analysis & Planning

Amanda Stathopoulos
Transportation System Analysis & Planning

Questions

Students should consult with their academic advisors regarding academic and professional issues such as course selections and career guidance. The Director of Graduate Studies (DGS) will assist the academic coordinator when procedural issues arise.

Staff Contact Information

Academic Coordinator

CEE IT

Laboratory (dry) coordinator & Lab safety coordinator

Environmental laboratory & safety coordinator

Finance

Access to AG 51 and locker key (deposit required)

Melissa Koelling

Craig Neumann

Dave Ventre

Richard Warta

George Homsy

CEE staff (Tech A236)

Catalog of Helpful Notes and Websites

1. **Academic Questions?** People to contact:
 - a. Melissa Koelling – Academic Program Coordinator
 - b. Area coordinator of your program
 - c. Your advisor
2. **CAESAR** – Course registration, transcripts, etc.
<http://www.northwestern.edu/caesar/>
3. **CEE Course schedule/ Listings**
<http://www.mccormick.northwestern.edu/civil-environmental/courses/index.html>
4. **Academic Calendar**
http://planitpurple.northwestern.edu/calendar/academic_calendar
5. **Wildcard**
<http://www.northwestern.edu/userservices/wildcard/>
6. **Parking**
<http://www.northwestern.edu/up/parking/>
7. **Campus busses and Shuttles**
<http://www.northwestern.edu/userservices/transportation/shuttles/>
8. **Health Service**
<http://www.northwestern.edu/health/>
9. **History of NU**
<http://www.northwestern.edu/about/history/>
10. **History of McCormick School of Engineering -**
<http://www.mccormick.northwestern.edu/about/history.html>
11. **Transportation Center & Library**
<http://www.transportation.northwestern.edu/>
<http://www.library.northwestern.edu/libraries-collections/evanston-campus/transportation-library>
12. **International Office**
<http://www.northwestern.edu/international/>