

## Northern Illinois University Contact Information

Northern Illinois University

1425 W. Lincoln Hwy.

DeKalb, IL 60115-2828

Phone: (815) 753-1000

## Mechanical Engineering Department Contact Information

Department of Mechanical Engineering

Engineering Building, Room 226

590 Garden Road

Northern Illinois University

DeKalb, IL 60115

Phone: (815) 753-9979

## General Admissions Requirements

1. Requirement Path One
  - a. Minimum SAT score of 990 or ACT score of 19.
  - b. Minimum 2.75 cumulative GPA (based on 4.0 scale) or top 50% of class.
2. Requirement Path Two
  - a. Minimum SAT score of 1140 or ACT score of 23.
  - b. 2.5 cumulative GPA (based on 4.0 scale) or top 66% of class.
3. Curriculum Requirements all students have to complete before admission is granted.
  - a. English 4 years
  - b. Mathematics 3 years (algebra, geometry, algebra II, trigonometry or higher)
  - c. Science 3 years (at least one year lab science)
  - d. Social Studies 3 years (at least one must be US History or US Government)
  - e. Foreign Language, Art, or Music 2 years

## Degrees Granted Annually in Mechanical Engineering Program

Academic Term	Spring 2015	Summer 2015	Fall 2015	Spring 2016	Summer 2016	Fall 2016	Spring 2017
No. of Degrees Granted	52	6	39	55	2	47	69

### **Current Enrollment in the Mechanical Engineering Program (as of June 27, 2017)**

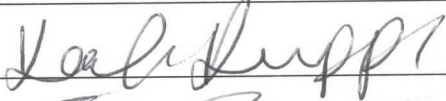





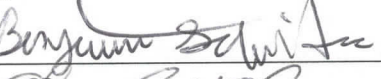
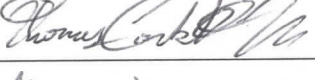
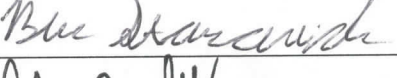

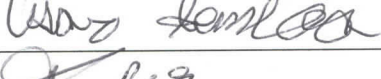

Academic Standing	Freshman	Sophomore	Junior	Senior	Graduate
Number of Students	100	89	145	282	73

### **Survey of Student Honorary Societies at Northern Illinois University**

There are 23 student organizations that are classified as an honorary organization. Only 18 of those organizations are honor societies and are listed below:

1. Chi Sigma Iota's Rho Alpha Kappa Chapter (CSI) – 47 Members
2. Golden Key Honor Society (Golden Key) – 37 Members
3. John Henrik Clarke Honor Society (JHCHS) – 23 Members
4. Kappa Delta Pi International Honor Society in Education (KDP) – 6 Members
5. Kappa Omicron Nu (KON) – 2 Members
6. Lambda Sigma Sophomore Honor Society (Lambda Sigma) – 8 Members
7. Mortarboard National Senior Honor Society (Mortarboard (Pleiades Chapter)) – 80 Members
8. Tau Sigma (Beta Upsilon Chapter) National Society for Transfer Students (Tau Sigma National Honor Society) – 41 Members
9. Phi Sigma: Biological Sciences Honor Society
10. Chi Alpha Epsilon: National Honor Society
11. Sigma Tau Delta: International English Honor Society
12. Phi Alpha Theta: National History Honor Society
13. Phi Beta Delta: Honor Society for International Scholars
14. Adela de la Torre Latino Honor Society
15. Sigma Theta Tau International: Honor Society of Nursing
16. Pi Sigma Alpha: National Political Science Honor Society
17. Alpha Kappa Delta: International Sociology Honor Society
18. Psi Chi: The International Honor Society in Psychology

**Eligible Students Petitioning for New Chapter**

No.	Name	Signature
1	Kayla Ruppe	
2	Thomas Havemann	
3	Zachary Hendrix	
4	Joshua Helsper	
5	Hannah Higgins	
6	Lauren Anderson	
7	Benjamin Schneider	
8	Thomas Corbett	
9	Benjamin Starcevich	
10	Michael Hood	
11	Cesar Gamboa	
12	Rafay Beg	
13		
14		
15		
16		
17		
18		
19		
20		

## Faculty Endorsements


### Federico Sciammarella, Ph.D.

Associate Professor and Interim Chair

815-753-1288

sciammarella@niu.edu

EB 226A

Name	Signature
Federico Sciammarella	


### John Shelton, Ph.D.

Assistant Professor

815-753-9963

jshelton4@niu.edu

EB 204

Name	Signature
John Shelton	


### Nicholas A. Pohlman, Ph.D.

Associate Professor and member of Pi Tau Sigma

815-753-9913

npohlman@niu.edu

EB 216

Name	Signature
Nicholas A. Pohlman	

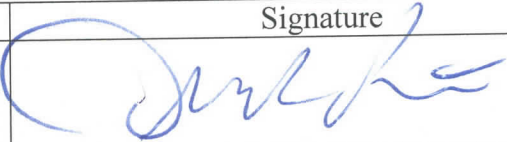
**Donald Peterson, Ph.D.**

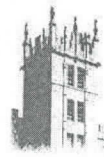
Professor and Dean of the College of Engineering and Engineering Technology

815-753-2256

drpeterson@niu.edu

EB 321

Name	Signature
Donald Peterson	



Dr. Alex Moutsoglou  
Pi Tau Sigma National Secretary-Treasurer  
South Dakota State University  
Department of Mechanical Engineering  
Box 2219, SCEH 218  
Brookings, SD 57007

DEPARTMENT OF MECHANICAL ENGINEERING  
DeKALB, ILLINOIS 60115-2854  
(815) 753-9979  
FAX (815) 753-0416

Re: Pi Tau Sigma New Chapter Petition – Department Level Support

Dear Dr. Alex Moutsoglou, National Secretary-Treasurer:

As the current Chair of the Department of Mechanical Engineering, I am pleased to express my full support in the establishment of a Pi Tau Sigma chapter at Northern Illinois University. For the past seven years we have seen our enrollment grow, now with over 500 students in our undergraduate Mechanical Engineering Program, we are fairly confident that having this chapter is a natural progression. We have just completed our most recent cycle of ABET accreditation.

As such, we would now like to formally establish a chapter of Pi Tau Sigma to promote scholarship and leadership in the discipline of Mechanical Engineering at Northern Illinois University. I fully support the functions of an honor society. In particular, it is critically important to confer distinction for high academic achievement in undergraduate studies, and a chapter of Pi Tau Sigma would allow the Department to do so. The establishment of a new chapter will also help to stimulate well-intentioned attitudes for the improvement of the general welfare of the department, while fostering excellence and service. As chair of the Department of Mechanical Engineering, I certify that the Department will support the chapter and will act according to the regulations set forth in the Pi Tau Sigma Constitution and Bylaws.

Sincerely,

Dr. Federico Sciammarella  
*Interim Chair Mechanical Engineering*  
College of Engineering and Engineering Technology  
Northern Illinois University  
[sciammarella@niu.edu](mailto:sciammarella@niu.edu)  
815-753-1288





NORTHERN ILLINOIS UNIVERSITY

## Department of Mechanical Engineering

Dr. Alex Moutsoglou  
Pi Tau Sigma National Secretary-Treasurer  
South Dakota State University  
Department of Mechanical Engineering  
Box 2219, SCEH 218  
Brookings, SD 57007

August 9, 2017

RE: Pi Tau Sigma Chapter Petition – College Level Support

Dear Dr. Alex Moutsoglou, National Secretary-Treasurer:

As a current junior faculty member in the Department of Mechanical Engineering, I am very pleased to express my full support in the establishment of a Pi Tau Sigma chapter at Northern Illinois University. Our department continues to grow in both student population and supporting faculty and thus provided the nurturing environment within which a spontaneous coalescence of excelling students has sought to distinguish themselves with collegiate and national recognition of their academic achievements.

As a member of the potential Pi Tau Sigma chapter faculty advisory team here at Northern Illinois University, it is our vision that in addition to celebrating the academic success of the students who have met selection criteria for our chapter, members will be given an abundance of opportunities to develop non-academic skills that will benefit themselves after graduation. One of the ways in which we seek to accomplish this objective is through professional development opportunities developed in connection with our highly active industrial advisory board members.

I am sure that I speak for all the members of not only our department, but for the rest of the faculty here at NIU, in saying that having a Pi Tau Sigma chapter located at our university will invigorate the pursuit of academic success among all members of our student community and will continue to boost our drive for excellence as a university overall.

Regards,

A handwritten signature in blue ink, appearing to read 'John Shelton'.

John Shelton, Ph.D.  
Assistant Professor  
Department of Mechanical Engineering  
Northern Illinois University  
Jshelton4@niu.com



# Northern Illinois University

*College of Engineering  
and Engineering Technology*

Dr. Alex Moutsoglou  
Pi Tau Sigma National Secretary-Treasurer  
South Dakota State University  
Department of Mechanical Engineering  
Box 2219, SCEH 218  
Brookings, SD 57007

August 1, 2017

RE: Pi Tau Sigma Chapter Petition – College Level Support

Dear Dr. Moutsoglou:

As the Dean of the College of Engineering and Engineering Technology, I am supporting the petition for the establishment of a Pi Tau Sigma chapter in the College of Engineering and Engineering Technology at Northern Illinois University. It is clear from the application that there is a growing number of graduates from our college and mainly in the mechanical engineering department. I and other faculty agree that incorporating a new honor society specific to mechanical engineering could help in the recognition and engagement with our undergraduate students.

The Engineering Accreditation Commission of ABET continues to acknowledge the rigor and quality of the Mechanical Engineering curriculum with its full accreditation through 2023. By adding a Pi Tau Sigma chapter, we feel that there is greater opportunity for top students to differentiate themselves to potential employers or develop a pipeline for current students to pursue top quality graduate programs. The honor society will also serve the students as a great platform to learn the importance of leadership and teamwork outside of the classroom. Therefore, the faculty from our college will gladly support and serve the students who are admitted to the honors society. I endorse the expansion of Pi Tau Sigma International Honor Society to Northern Illinois University's College of Engineering and Engineering Technology.

Regards,

Donald Peterson Ph.D.  
Dean  
College of Engineering & Engineering Technology





# Northern Illinois University

*College of Engineering  
and Engineering Technology*

Dr. Alex Moutsoglou  
Pi Tau Sigma National Secretary-Treasurer  
South Dakota State University  
Department of Mechanical Engineering  
Box 2219, SCEH 218  
Brookings, SD 57007

June 29, 2017

RE: Pi Tau Sigma Chapter Petition – Faculty Mentor Support

Dear Dr. Moutsoglou:

As a member of Pi Tau Sigma International (Dayton Delta Nu '00) and current coordinator of the Engineering Honors program, I am enthusiastically supporting the petition for establishment of a Pi Tau Sigma chapter in the department of Mechanical Engineering at Northern Illinois University. It is clear from our application that there is a growing number of graduates from our department. I and other faculty agree that incorporating a new honor society chapter that is specific to mechanical engineering could help in the recognition and engagement with current undergraduates.

The Engineering Accreditation Commission of ABET continues to acknowledge the rigor and quality of the Mechanical Engineering curriculum with its full accreditation through 2023. By adding a Pi Tau Sigma chapter, we feel that there is greater opportunity for top students to differentiate themselves to potential employers or develop a pipeline for current students to pursue top quality graduate programs. Therefore, the faculty from the department will gladly support and serve as advisor-mentor to the students who are admitted to the honors society. I certify that the department will support the students' activities that follow the regulations as representatives of Pi Tau Sigma International.

Regards,

Nicholas A. Pohlman, Ph.D.  
Associate Professor  
Department of Mechanical Engineering  
Coordinator, Engineering Honors Program