# COLLEGE OF ENGINEERING FACT SHEET

## KEY MESSAGES

**1.** Graduate from UNL Engineering with the skills to improve the way things work in the world
**2.** Current students and alumni have amazing stories that emphasize the breadth of what you can accomplish with UNL Engineering
**3.** An exceptional education at exceptional value
**4.** With a commitment to learning beyond the classroom, UNL Engineering enriches students with numerous clubs, organizations, undergrad research experiences, company internships and study abroad experiences.
**5.** With personal attention and an emphasis on community, UNL Engineering feels like home.
**6.** Learn from nationally and internationally acclaimed faculty

## COLLEGE FACTS

•2739 undergraduate students; 588 graduate students
•16:1 student to faculty ratio (167 faculty) •29 average ACT
•$55,000 average starting salary
•95-98% placement rate (students who have a job within 6 months of graduation)
•90% of students participate in career/academic-related experiences (internship, co-op, or research)
•Architectural Engineering program is one of the top programs in the country and the only ABET accredited 5-yr Master's program
•Agricultural/Biological Systems Engineering ranked in top 10 (#9- U.S. News & World Report)
•Chemical Engineering ranks 22/158 for grant money received from NSF

## STUDENT LIFE

•Over 100 RSOs - Engineering Ambassadors
- oEngineering Student Advisory Board (ESAB)
- oEngineers Without Boarders (EWB)
- oSociety of Women Engineers (SWE)

•Program Specific Organizations
- oAmerican Society of Civil Engineers (ASCE)
- oAmerican Society of Mechanical Engineers (ASME)
- oSociety of Automotive Engineers (Baja, Formula 1)
- oArchitectural Engineering Institute (AEI)
- oInstitute of Electrical & Electronics Engineers (IEEE)

•Undergraduate Research
- oPaid for $10-12/hr.
- oOpportunities to publish research, attend discipline related conferences.

•Over 80% of our students participate in internships and co-ops
•Engineering Learning Community

## COLLEGE SCHOLARSHIPS

**Lincoln**
-College of Engineering scholarships & Departmental Scholarships use admission application and deadlines
-Suh Scholarship
**Omaha**
-Walter Scott Scholarship - Separate application through the Peter Kiewit Institute
•Covers room & board (+ tuition for out of state students)
•Requirements: 30+ ACT (1340+ SAT), top 20% of class
-Omaha students are eligible for UNO admissions scholarships

## COLLEGE STORIES

**Current Student:**
**OMAHA - James Reitmeier, Civil Engineering, Gretna, NE**
Involved with student government, Omicron Delta Kappa leadership honor society, Engineering Ambassadors, and being the previous president of Engineering Student Advisory Board, James proves there is life outside of homework! Yet Jamie still has time to do research under Dr. Chris Tuan for the Nebraska Department of Roads on the effectiveness of liquid deicers on public roadways. Not only has he participated in research with a UCARE grant, but he has also interned for two summers with Black & Veatch, a design-bid-build engineering and construction firm in Kansas City. They even kept him on working remotely during the school year, so he is hoping it will lead to a full-time job after graduation!
**LINCOLN - Victoria Fry, Chemical Engineering, Lincoln, NE**
Tori has been involved in the Society of Women Engineers as an officer, been both a volunteer Diplomat as well as a paid Ambassador for the Dean's Office, helping to recruit new engineering students, and has participated in an engineering study abroad program to France. Tori has also been involved in undergraduate research with a UCARE project dealing with the possibility of using algae material as a replacement for gasoline, and has done two co-ops and an internship with ExxonMobil down in Texas, where she has worked on multiple million dollar projects. Tori is also very involved in Greek Life.

**Faculty:**

**OMAHA**

Lily Wang, Architectural Engineering, Associate Dean of Graduate Programs & Faculty Development

Developed an experiment to test how noise bursts affect the performance and perceptions of test subjects. The results of this research will be used to advise NASA as to what is an acceptable noise level before it interferes with concentration of individuals on the ground as they develop new aircraft.

**LINCOLN**

Shane Farritor-Mechanical Engineering- Professor

Dr. Farritor is a graduate from our UNL Mechanical Engineering program with his bachelors in '92, after which he attend MIT for both his Masters and his PhD. Dr. Farritor mentions constantly that the education he received at UNL was as good as any of his other MIT counterparts from other institutions and he exceled at MIT. Coming back to UNL to teach, Dr. Farritor has had numerous grants since '98, including research in areas of Biomedical with his Minimally Invasive Surgical Robotics Lab, as well as aerospace and robot-to-robot communication with his Mars Rover projects with NASA, both labs hire many undergraduate and graduate students. Dr. Farritor has also studied at the Kennedy Space Center, Goddard Space Flight Center and the Jet Propulsion Laboratory with NASA and is the co-founder of two university spin-off companies. (http://www.siliconprairienews.com/2011/06/entrepreneurship-an-eye-opening-experience-for-unl-professor-farritor)

**Alumni:**

**OMAHA**

Tate, Biological Systems Engineering, Juniata, NE (near Hastings)

Works for Boston Scientific. Boston Scientific is a biomedical device company that specializes in devices for internal medicine, especially the cardiovascular system. As an engineer, one of Tate's job is to improve the quality of the instruments used in the installation of stents (device used to keep blood vessels pathways open). He was hired to work for Boston Scientific immediately after graduation from UNL.

**LINCOLN**

John Tran, Architectural Engineering Alumnus

John Tran, a UNL architectural engineering grad and current engineer for Severud Associates in New York City, is working on a pretty awesome project: the transformation of Madison Square Garden. A $1 billion project, John is not only serving as the concrete special inspections engineer, he is also on the ground providing guidance as an on-site engineer, has assisted with the design of the new sky bridges spanning the arena, evaluated the current structural conditions of the arena and theater, and will perform the analysis of the existing structure as the new additional structures are completed. We are proud to say John is a Nebraska Engineer and you can get more information about the MSG renovations at http://www.msgtransformation.com/Transformation