

### **GRADAUTION: Fall 2016 Graduates:**

Jordan Engle, Sutton, Nebraska; Lisa Hixon, Chappell, Nebraska;  
Samantha Staples, Port Charlotte; Florida, James Wannamaker;  
Overland Park, Kansas



### **UNIVERSITY WIDE AWARD:**



Dr. Chris Exstrom (Science/Math Education Director) was one three recipients of the Ron & Carol Cope UNK Professorship presented at UNK Fall Faculty/Staff Convocation in August. The professorship fund makes available \$10,000 per year for five years for the three faculty members. Faculty members were chosen based on teaching, research and overall academic contributions. Dr. Exstrom was nominated by the senior vice chancellor for academic and student affairs

Dr. Exstrom, professor of chemistry, served as department chair from 2000-06. He has served as the director for the Science/Math Education Master Science of Education online graduate program since 2012. He's been at the center of the undergraduate research initiative in the department of chemistry since its inception.

### **SPRING GRADUATION:**

Commencement ceremony will take place **Friday, May 5<sup>th</sup> at 10:00 a.m. at the UNK Health and Sports Center.** Consider making the trip to Kearney for gradation. If you do, let us know because we would like to meet you.



# PROGRAM ANNOUNCEMENTS

## PROGRAM ADVISING / PLANNING TIPS:

- Prioritize the courses in chemistry, math, physic/physical science and the curriculum course as these courses are only offered during specific semesters.
- For complete listing of course offerings for the program, visit: [Program Courses](#)
- **IMPORTANT REGISTRATION DATES FOR BOTH SUMMER AND FALL:**
  - Early registration for students currently enrolled this spring: **April 3<sup>rd</sup>**
  - Registration for students not enrolled in spring classes: **April 24<sup>th</sup>**
- To ensure preferred course registration each semester, register early or as soon as you can for classes especially for popular classes.
  - *BIOL 838, BIOL 839, BIOL 845, BIOL 857, BIOL 858, TE 800*
- **TE 800** Educational Research is **not** recommended to take during the summer semester because of the intensity of the work and the connection to the capstone project/comps.

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## SUMMER COURSES: (highlighted courses are **only offered during the summer semester**)

BIOL 827 Biological Statistics  
BIOL 830P 01 Cont. Taking Action Science  
BIOL 830P 02 Bioethics of Hela Cells  
BIOL 830P 03 Wildlife Management  
**BIOL 836 Biology of Size**  
BIOL 840 Infectious Diseases  
**BIOL 845 Forensic Biology**  
BIOL 857 Human Histology  
BIOL 863 Biological Perspectives  
BIOL 866 Function Morphology  
BIOL 881 Current Issues in Biology (1 cr)  
**BIOL 887 Fisheries Ecology**  
TE 803 Philosophy of Education  
TE 805P Overview of Assistive Technology  
TE 808P Human Relations (1 cr)

**TE 809P Curriculum Implementation**  
TE 815P The Effective Teacher: Enhancing Classroom Instruction  
TE 820 Teacher Leadership  
TE 854 Reading in the Content Areas  
**TE 868 Copyright, Fair Use, and Ethics**  
**CHEM 805 Chemical Management & Safety for HS Teachers (1 cr)**  
**CHEM 899P Chemical Kinetics for HS Teachers (2 cr)**  
**MATH 871-01 Mathematical Analysis for Teacher**  
**MATH 871-02 Discrete Math for Teachers**  
**PHYS 813 01 (Lecture) & 02 (Lab) Intro to Analog & Digital Electronics (4 cr)**

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## IF A CLASS IS FULL:

Below is a list of preferred contacts for each department to have permits issued or to be placed on a waiting list:

**Biology (BIOL)** - Brian Peterson, Program Coordinator ([msbiology@unk.edu](mailto:msbiology@unk.edu) or 308.865.1589)

**Chemistry (CHEM)** - Dr. Scott Darveau, Department Chair ([darveausa@unk.edu](mailto:darveausa@unk.edu) or 308.865.8491)

**Mathematics (MATH)** - Dr. Barton Willis, Department Chair ([willisb@unk.edu](mailto:willisb@unk.edu) or 308.865.8868)

**Physics/Physical Science (PHYS)** - Dr. Ken Trantham, Department Chair ([tranthamkw@unk.edu](mailto:tranthamkw@unk.edu) or 308.865.8278)

**Teacher Education (TE)** - Holly Peterson, SCI/MATH Ed Program Coordinator ([msedsci@unk.edu](mailto:msedsci@unk.edu) or 308.865.8043)

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## **FALL COURSES:** (highlighted courses are only offered in the fall semester)

BIOL 802 Organic Evolution  
BIOL 827 Biological Statistics  
BIOL 830P 01 Predator-Prey Paradox  
BIOL 830P 02 Cell Structure & Function  
**BIOL 832 Crane Ecology**  
BIOL 838 Essential Human Anatomy  
BIOL 839 Human Physiological Systems  
BIOL 840 Infectious Diseases  
**BIOL 846 Cancer Biology**  
**BIOL 854 Biological Application of GIS**  
**BIOL 859 Biology of the Brain**  
**BIOL 860 Concepts of Genetics**  
BIOL 881 Current Issues in Biology (1 cr)

TE 800 Educational Research  
TE 803 Philosophy of Education  
TE 804 Curric Devin Multicultural Education  
TE 805P Overview of Assistive Technology  
TE 808P Human Relations (1 cr)  
**TE 810 Design & Development in Instruction**  
TE 854 Reading in the Content Areas  
**TE 866 Motivating the 21st Century Learner**  
TE 877 Developing Web-Based Edu Environments  
TE 866 Technology Tools for Teachers  
**CHEM 864 -- Analytical Chemistry for High School Teachers (2 cr)**  
**CHEM 899P -- Nanoscience for HS Teachers (1 cr)**

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## **SUMMER COMPREHENSIVE EXAMINATION:**

To sign up for summer comps, contact Holly Peterson ([msedsci@unk.edu](mailto:msedsci@unk.edu) or 308.865.8043) to be added to the list. Written comps will be scheduled at the beginning of June. If needed, oral presentations will be scheduled the beginning of July. An exact schedule will be determined as it gets closer.

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## **CONFERENCES ATTENDED**

The Science/Math Education Graduate Program shared a booth with the Teacher Education Graduate Programs at the Nebraska Fall Ed-Tech Conference held in Kearney, October 2016.

*Picture on the right includes Holly Peterson, Science/Math Education Program Coordinator and Dr. Tommy Hansen, Teacher Education Professor.*





The Science/Math Education Program shared a booth with the MS Biology Program at the National Association of Biology Teachers Conference held in Denver, November 2016.

*Picture on the left includes Holly Peterson, Science/Math Education Program Coordinator and Brian Peterson, MS Biology Program Coordinator.*

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## MARK YOUR CALENDARS

**2017 SPRING NETA CONFERENCE:** April 20-21 in Omaha, NE  
Nebraska Educational Technology Association (<http://netasite.org/>)

- Over 200+ featured, breakout, and interactive educational technology sessions from which to choose on Thursday and Friday
- Nationally recognized Speakers
- Playgrounds where YOU can personally experience the Newest Technologies
- Opportunity to meet and interact with Over 100 Exhibitors
- Networking Opportunities to Expand YOUR Professional Learning Network to Continue Learning Throughout the Year
- Learn about technology in education and how you can implement it directly into your school/classrooms

**2017 NATM / NATS ANNUAL FALL CONFERENCE:** Sept. 7 – 9 in Kearney, NE  
Nebraska Association of Teacher of Mathematics (<http://www.natmathematics.org>)  
Nebraska Association of Teacher of Science Conference (<https://nebraskaacademyofsciences.wildapricot.org/NATSFC>)

Check back on either website for more information about this **joint conference** which will feature top-notch presenters and to learn about new science and math opportunities.

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## JOIN US ON SOCIAL MEDIA



@scimath\_program



UNK Science/Math Education Program

Tweets and posts include information about the program, information about upcoming conferences, important information in the science and math fields, and fun encouraging life quotes.



## MEET THE SCIENCE/MATH EDUCATION PROGRAM COMMITTEE MEMBERS



Chris Exstrom  
Science/Math Education  
Program Director  
Professor of Chemistry



Thomas Freeman  
Associate Professor of  
Biology



Annette Moser  
Associate Professor of  
Chemistry



Mariana Lazarova  
Assistant Professor of  
Physics and Physical  
Science



Amy Nebesniak  
Assistant  
Professor of  
Mathematics



Martonia Gaskill  
Assistant Professor  
of Teacher  
Education



## LET US KNOW...

Please let us know if you have news or ideas for our next Science/Math Education Program newsletter. We are looking to include news, publications, posters, professional presentations, awards/honors, births, etc. The next newsletter will go out in May. Please let Holly Peterson (call 308-865-8043 or email [msedsci@unk.edu](mailto:msedsci@unk.edu)) if you have any news we can share!

