

Science/Math Education Newsletter

BIOLOGY

CHEMISTRY

MATH

PHYSICS

PHYSICAL SCIENCE

TEACHER EDUCATION

GRADUATION

Fall 2018 Graduate: **Tori Davis - Omaha, Nebraska**

Spring 2019 Graduation Ceremony:

The commencement ceremony will take place on Friday, May 3rd at 10:00 a.m. at the UNK Health & Sports Center. Consider making the trip to Kearney for graduation.



PROGRAM INFORMATION

SUMMER / FALL REGISTRATION DATES:

- Early registration for students currently enrolled this spring: **April 1st**
- Registration for students not currently enrolled in spring classes: **April 22nd**

ADVISING RECOMMENDATIONS:

- Be sure to plan out courses in Math, Physics/Physical Science and the curriculum course (TE 809) since these courses are mostly offered during summer semesters.
- TE 800, TE 804, TE 886, Biology, and Chemistry courses are offered every semester.
- Register for classes as soon as possible to ensure a seat. Some of the popular courses are BIOL 838, BIOL 839, BIOL 845, BIOL 857, BIOL 858, TE 800.
- If a course is full, contact the program coordinator or department chair right away to determine if you can be on a waiting list or have a permit issued. See next page for contact information.



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WHAT TO DO WHEN CLASSES ARE FULL

Contact the preferred individual for each department to have permits issued or to be placed on a waiting list:

- Holly Peterson, SCI/MATH Ed Program Coordinator (msedsci@unk.edu or 308.865.8043) - **Teacher Education (TE), Physics/Physical Science (PHYS), Capstone Course (SMED)**
- Brian Peterson or Robyn Schoenebeck, Program Coordinators (msbiology@unk.edu or 308.865.1589) - **Biology (BIOL)**
- Dr. Scott Darveau, Department Chair (darveausa@unk.edu or 308.865.8491) - **Chemistry (CHEM)**
- Dr. Barton Willis, Department Chair (willisb@unk.edu or 308.865.8868) - **Math (MATH)**

SUMMER COURSES

PHYS 809 Meteorology

CHEM 823 Nanoscience for HS Tchrs (1 cr)

CHEM 883 Chm Kinetics for HS Tchrs (2 crs)

BIOL 830P 01 Bioethics of Hela Cells

BIOL 830P 02 Wildlife Management

BIOL 830P 03 Chronic Pain-Physiology & Care (2 crs)

BIOL 830P 04 Domestication of Dogs (1 cr)

BIOL 830P 05 Biology of Allergic Disease

BIOL 830P 06 Reproductive Physiology

BIOL 836 Biology of Size

BIOL 845 Forensic Biology

BIOL 853 Genome Evolution

BIOL 857 Human Histology

BIOL 858 Physiology of Stress

BIOL 863 Biological Perspectives

BIOL 887 Fisheries Ecology

MATH 862 Math Analysis for Teachers

MATH 871 Usng Math to Understand our World

CSIT 834 Infrmtion Technology Tchng Methods

TE 800 Educational Research

TE 804 Curriculum Dev/Multicultural Ed

TE 809P Curriculum Implementation

TE 886P Technology Tools for Teachers

Electives Only

TE 803 Philosophy of Education

TE 805P Overview of Assistive Technology

TE 808P Human Relations (1 cr)

TE 815P The Effective Teachers: Enhncng Clss-rm Instru

TE 820 Teacher Leadership

TE 854 Reading in Content Areas

BIOL 881 Current Issues (1cr)



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ANNOUNCING A NEW CHEMISTRY TRACK BEGINNING FALL 2019

This new **Chemistry Track** will allow to teachers to have a greater focus in chemistry by completing 18 - 24 credit hours in chemistry. Students can switch to this new chemistry track starting the fall of 2019.

Professional Components (9 hours required)

Curriculum Course; Research Course, Pedagogy Course

Academic Components (24 hours required)

Major Emphasis Chemistry courses (11-12 credit hours)

Choose four areas from: Analytical, Biochemistry, Inorganic, Organic, Physical

Elective Chemistry courses (5-6 credit hours)

Supporting Courses (6 credit hours)

Choose from chemistry, biology, math physical science or physics

Capstone (3 hours required)



UPCOMING DEADLINES

January 17th: E-Bill was sent to student's Lopermail account

February 1st: Last day to apply for spring graduation

February 7th: Tuition and fees due for spring classes

February 4th -13th: Written Comps

March 8th: Last day to drop a full semester class with a "W" in lieu of a grade

March 18th - 22nd: Spring Break

March 25th - 29th: Oral Comps

April 1st: Early Registration for summer and fall 2019

April 22nd: General registration for summer and fall 2019

April 29th - May 2nd: Final Exams

May 3rd: Spring Commencement Ceremony @ 10:00 a.m.

May 6th: Summer semester begins

July 26th: Summer Commencement Ceremony @ 10:00 a.m.



UNK

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2018 NATM / NATS ANNUAL FALL CONFERENCE

Nebraska Association of Teachers of Mathematics / Nebraska Association of Teachers of Science

The Science/Math Education Program collaborated with the MS Biology Program by sharing a booth at the joint conference held in Kearney in September. Several alumni and a current student stopped by the booth to visit.



Pictured above:
Torri Lechtenburg MSED 12'



Pictured above:
Bailey Johnson MSED 18'



Pictured above: **Andrea Hoopman**, current student and Board Member of the NATS Board of Directors

MARK YOU CALENDAR

2019 NATM / NATS ANNUAL FALL CONFERENCE

September 19th - 21st held in Kearney, Nebraska

www.natmathematics.org

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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SMED 888 SCIENCE/MATH EDUCATION CAPSTONE

This course is designed to culminate the student's experience in the Science/Math Education program which is offered during the fall and spring semesters. Students will complete the comprehensive exam and a capstone project which integrates educational research, curriculum design, science/math content application, and assessment. Based on a literature evaluation of a specific concept or problem in science/math teaching, the student will develop a new curricular unit, or redesign an existing one, to be implemented in a high school or middle school science/math course that the student is teaching that semester. This unit must apply science/math content from their degree program courses and the student must assess the impact of the new/revised unit on student learning.

Prerequisite: Completion of TE 800 Educational Research and at least 24 hours of the Science/Math Education degree program (including 6 or more in the Major Emphasis category).

SHARE YOUR EXPERIENCE

Like us on Facebook and share your experience. We are grateful that you chose UNK to continue your education and to have been a part of your journey towards achieving your professional goals.



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 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) if you have any news we can share!