

GRADUATION

Fall 2017 Graduate: **Adrienne Wedel - Newton, Kansas**

Spring 2018 Graduation Ceremony:

Commencement ceremony will take place on **Friday, May 4th at 10:00 a.m.** in the UNK Health and Sports Center. Consider making the trip to Kearney for graduation.



Summer 2018 Graduation: All summer graduates must apply for summer graduation in MyBlue between April 15th - June 20th whether or not you will be attending graduation. The commencement ceremony will take place on **Friday, July 27th**. There is a \$25 graduation fee to apply for graduation. If you miss the deadline for graduation, contact Danielle Kluver at kluverde@unk.edu or (308) 865-8444.



PROGRAM INFORMATION

SUMMER / FALL REGISTRATION DATES: ADVISING RECOMMENDATIONS:

- Early registration for students currently enrolled this spring: **April 2nd**
- Registration for students not currently enrolled in spring classes: **April 23rd**
- Plan out courses in Math, Physics/Physical Science and the curriculum course (TE 809) since these courses are only offered during specific semesters.
- Courses in Biology and Chemistry are be offered every semester.
- Register as soon as you can for popular classes to guarantee course registration. (**BIOL 838, BIOL 839, BIOL 845, BIOL 857, BIOL 858, TE 800**).
- If a certain class is full, contact the program coordinator or department chair right away, see next page.
- **TE 800** Educational Research is **not** recommended to take during the summer semester because of the intensity of the work within a 5 week period and connection to the capstone project and comprehensive examination.



SUMMER COURSES

(highlighted courses are only offered during the summer semester)

PHYS 801 (Lecture/lab) – Earth Science for HS Tchrs

CHEM 820 – Environmental Chem -HS Tchrs

CHEM 855 – BioChem for HS Teachers

CSIT 834P – Information Technology Teaching

BIOL 829 – Ecological Anthropology (2 cr)

BIOL 830P – Genetics in Popular Culture

BIOL 830P – Marketing for Scientists

BIOL 830P – Reproductive Physiology

BIOL 830P – Rdgs Emerging Infectious Dis. (1 cr)

BIOL 830P – Wildlife & Fisheries Law and Policy

BIOL 830P – Climate Change

BIOL 830P – Avian Life History

BIOL 845 – Forensic Biology

BIOL 857 – Human Histology

BIOL 858 – Physiology of Stress

BIOL 863 – Biological Perspectives

MATH 871 01 – Current Research in Math Education

MATH – Geometry for Teacher

TE 809 – Curriculum Implementation

TE 804 – Curriculum Development in Multicultural Ed

TE 886P – Technology Tools for Teachers

Elective Courses Only

TE 803 – Philosophy of Education

TE 805P – Overview of Assistive Technology

TE 808P – Human Relations (1 cr)

TE 815P – The Effective Teacher: Enhncng Clssrm Instr

TE 820 – Teacher Leadership

TE 845 – Contemporary Theory & Practice in Reading

TE 854 – Reading in the Content Areas

TE 868 – Copyright, Fair Use, and Ethics

BIOL 881 – Current Issues in Biology (1 cr)

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, Program Coordinator (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)**
- Dr. Sherri Harms, Department Chair (harmssk@unk.edu or 308.865.8123) - **Computer Science (CSIT)**

CANDIDACY FORM

Once 12 credit hours have been completed in your program, the [Application for Candidacy form](#) must be completed and sent to the Program Coordinator for signatures and processing, (email: msedsci@unk.edu, fax: (308) 865-8880, mail: 2401 11th Ave, Kearney, NE 68849.

DUAL CREDIT QUALIFICATIONS

The Higher Learning Commission (HLC) requires teachers teaching dual credit to hold a master's degree in a discipline with a minimum of 18 graduate hours in the discipline or subfield they teach. Your program can be designed to meet the new requirements from the HLC by matching your major emphasis area (12 credit hours) with your electives (6 credit hour).



2017 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.

Pictured on the right is Holly Peterson, Science/Math Education Program Coordinator.



Pictured on the left is Andrea Hoopman, current student and Board Member of the NATS Board of Directors.



MARK YOUR CALENDARS

2018 NSTA CONFERENCE: March 15th - 18th in Atlanta, GA

Come together with over 10,000 science educators from across the country who are looking to meet and interact with companies and organizations just like yours. Three days packed with sessions, workshops, and exhibits make our National Conference an annual destination for leading teachers and administrators involved in science education. Leverage this incredible opportunity to put your products, programs, and services in front of a highly desirable and engaged audience.



If you are attending this conference, please stop by the UNK booth (1414) and say “Hi!”

2018 NATM / NATS ANNUAL FALL CONFERENCE: September 6th- 8th 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.



COMPREHENSIVE EXAMINATION

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

Purpose: The purpose of the Comprehensive Exam is to determine the degree candidate's level of knowledge and ability to apply that knowledge to their teaching assignment, as well as the impact of degree coursework on the candidate's professional knowledge.



Proctored Format: The proctored part of the written comps is a closed-book, closed-notes written test that will contain questions on topics relating to one-half and three-fourths of the courses in the student's degree program. Questions are composed by course instructors and compiled by the Program Coordinator. Students may come to UNK to take the test or arrange for a proctor (usually a supervisor, work colleague, or other responsible adult who is not related or married to the student) in order to take the test in their community.

Take Home Format: The take home part of the written comps will consist of a research question using notes and references and will not need to be proctored. Students will have one week to respond to the question while citing three to four references. **NOTE:** The take home question is only for those students not taking the capstone course in older catalogs.

Oral Exam Format: The format of the oral comps will be determined by the Program Committee but will usually consist of a meeting between the student and the Committee in person or via videoconferencing (Skype, Zoom, etc.) during which the student will answer questions posed by Committee members. Oral comps will be focused on topic areas that were determined through the grading of the written comps that did not meet program assessment expectations.

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).

UPCOMING DEADLINES

- January 18th:** E-bill notifications sent to Lopermail account
February 1st: Last day to apply for May graduation
February 5th-14th: Written Comprehensive Examinations
February 8th: Tuition and Fees are due in full for Spring 2018 classes
March 9th: Last Day to drop a full semester class with a “W” in lieu of a grade
March 19th-23rd: Spring Break, all classes dismissed
April 2nd: Early registration for Summer and Fall 2018 (currently enrolled students)
April 15th-June 20th: Apply for summer graduation in MyBLue
April 23rd: General registration for Summer and Fall 2018 classes (all students)
April 30th-May 3rd: Final exams
May 4th: Graduation
May 7th: Summer semester begins
June 27th: Summer Graduation



FINANCIAL AID /SCHOLARSHIP INFORMATION

In order to receive financial aid as a graduate student, students must be admitted into their program as a degree seeking student and enroll in at least 4 credit hours. Students are highly encouraged to file a Free Application for Federal Student Aid (FAFSA). Students will need their Federal Student Aid ID to sign the application electronically. The information on the FAFSA is needed to calculate the Estimated Family Contribution (EFC) which is used by the school to determine a student's financial aid award. This link below includes information about *HOW TO APPLY, SCHOLARSHIP INFORMATION, TYPES OF FINANCIAL AID, STUDENT RESOURCES, IMPORTANT DATES*, http://www.unk.edu/offices/financial_aid/graduate-students.php.

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[UNK Science/Math Education Program](https://www.facebook.com/UNKScienceMathEducationProgram)

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.

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!