



BACHELOR OF SCIENCE IN APPLIED SCIENCE

UNIVERSITY OF NEBRASKA-LINCOLN



The Program

This degree program will prepare students for occupations that involve the application of science in society, rather than the practice of science and scientific research. The goal is to provide an integrated understanding of how basic and applied science benefit and impact us, from the individual to the biosphere. The program is also available as an online degree completion option. To be admitted into the degree completion option students must have a minimum of 64 accepted UNL semester hours of college credit from an accredited 4-year or 2-year college, and a cumulative grade point average of 2.0 (on a 4.0 scale) and at least a C average in the last semester of college enrollment. Additional program details:

- Minimum 128 total credit hours
- 30 credit hours must be in courses numbered 299 and above
- Specific to the BS in Applied Science
 - 51 credit hours in the four concentration areas listed:
 - Food, Animal and Plant Science Systems
 - Genetics/Biotechnology/Biosecurity
 - Natural Science and Energy Systems
 - Leadership/Entrepreneurship/Economics
 - Minimum of 30 of the last 36 hours, after acceptance to the Applied Science degree option, must be completed with UNL courses (Policy pending)

Who Should Consider This Program?

- Anyone interested in degree completion, such as former College of Agricultural Sciences and Natural Resources (CASNR) students who left before completing their degree, and Arts & Science students with a science foundation seeking to complete their degree (biology, chemistry, physics, pre-med)
- Industry professionals looking to advance their careers and/or need a deeper understanding of scientific practices and the connection among the diverse scientific disciplines and society
- Associate program graduates – within Nebraska as well as other states
- Military
- Former and Current UNL Student Athletes and their Advisers
- Future leaders who will present scientific knowledge to diverse audiences
- Trainers and teachers who need to foster imagination, interest and enthusiasm in the natural, physical and social sciences

Method of Delivery

Courses are offered online through the Blackboard course management software. Students can work full-time and advance their education through flexible course offerings. Additional opportunities for interaction with instructors and classmates are built into the courses through phone, discussion boards, and e-mail communications.

Courses are taught by UNL faculty. As a research-based institution, UNL's faculty are doing more than just teaching the courses, they're the people creating knowledge and innovative solutions to enhance the industry as a whole.

Computer Requirements

Taking courses by distance education will require the student to have access to a computer, e-mail, Internet/World Wide Web browser, and a sound card.

In order for you to be able to successfully complete these online courses, your computer should meet the following minimum recommended specifications:

- Microsoft Windows ME, 2000 or XP
- Microsoft Office for Windows ME, 2000 or XP
- Internet Explorer 6.0 or newer
- 1 GHz processor
- 20 GB Hard Drive
- 256 Megabytes of RAM
- 56K modem, high speed connection preferred (firewall-free)
- Sound card and speakers
- 16 bit color monitor
- Printer

A note to AOL users: Most versions of the AOL Web browser will not work well with the Blackboard software used at UNL. The UNL Help Desk cannot assist AOL users.

Admission Requirements

To be admitted into the degree completion option students must have a minimum of 64 accepted UNL semester hours of college credit from an accredited 4-year or 2-year college, and a cumulative grade point average of 2.0 (on a 4.0 scale) and at least a C average in the last semester of college enrollment.

Admission Procedure:

- Complete the online transfer application at <http://admissions.unl.edu/apply/transfer.php>
- Include the \$45 application fee:
 - Online applicants may pay using Visa or Mastercard on a secure site.
 - Checks should be made payable to the "University of Nebraska." Please do not send cash or overseas drafts. The applicant's full name must appear on the check or money order.

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- Contact your high school to have them submit your official high school transcripts.
- Contact each postsecondary institution that you have attended to request your official transcripts sent to the Office of Admissions.

Once all materials have been received, you will be notified of your acceptance.

The Program Learning Objectives

1. Learn and use the facts and concepts of mathematics and statistics, life sciences, natural resources, physical sciences and social sciences to represent the dynamics of physical, biological and socioeconomic processes
2. Demonstrate an understanding of essential concepts, both technical and economic, in areas at the interface of science and society: food and energy systems, biosecurity, environmental sustainability and biotechnology
3. Explain how natural systems function using strategic thinking and analysis
4. Demonstrate an understanding of the extent to which humans impact the environment
5. Apply quantitative analytical skills to evaluate and process numerical data
6. Construct graphical and tabular summaries of quantitative data
7. Analyze and solve complex problems using critical and creative thinking and scientific reasoning
8. Acquire appropriate and reliable background information from the primary scientific literature
9. Write effectively to communicate scientific data and information to both technical and non-technical audiences as appropriate

Program of Studies

The total credit requirements for graduation are 128. As the core courses students are required to complete the degree by taking from CASNR, Arts & Sciences, and Business or transfer UNL approved course equivalents totaling 54–56 credit hours.

College Integrative Courses: 6 credit hours

Mathematics and Statistics (*beyond college algebra*): 5 credit hours

Communication: 6 credit hours

Natural Sciences: 19 – 21 credit hours

Economics: 3 credit hours

Humanities and Social Sciences: 12 credit hours

International Focus Course: 3 credit hours

Within the program there are also four integrative systems concentration areas required totaling 72–74 credit hours. A minimum of 30 hours must be completed at the 200 level or above and a minimum of 15 hours must be completed at the 300 level or above.

Food, Animal, and Plant Science Systems: 9 credit hours

Genetics/Biotechnology/Biosecurity: 12 credit hours

Natural Science and Energy Systems: 15 credit hours

Leadership/Entrepreneurship/Economics: 9 credit hours

The remainder of the credit hours needed for the degree program may be chosen as electives.

Contact us

For help with Distance Education Services contact:

Extended Education & Outreach
900 North 22nd Street
P.O. Box 888805
Lincoln, NE 68588-8805
Phone: (402) 472-2175 or
toll-free (866) 700-4747
Fax: (402) 472-4345
E-mail: unlextended@unl.edu
Web: extended.unl.edu/bsas

For special assistance, call (402) 472-3787

EXTENDED EDUCATION & OUTREACH
900 NORTH 22ND STREET
LINCOLN, NE 68588-8805
(402) 472-2175 OR TOLL-FREE (866) 700-4747

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