

WATER RESOURCES PLANNING AND MANAGEMENT GRADUATE SPECIALIZATION

Interested in diving further into the field of water resources planning and management?

This interdisciplinary graduate-level minor requires only 9 credit hours and offers the opportunity to network with other academic departments and experience their differing perspectives on managing water resources. This specialization is supervised by a committee representing 11 participating departments. Your degree must be in one of these departments, and your 9 credit hours need to be courses offered by the other departments. Also, 6 of the 9 credit hours must be from the committee-approved list below. The remaining 3 credit hours can be chosen from the more extensive list of water-related courses found in the graduate catalog.

AECN 857, Water Law
AGRO 807, Plant-Water Relations
AGRO 808, Microclimate: The Biological Environment
AGRO 875, Water Quality Strategy
BIOS 600; NRES 859, Limnology
AGEN 853, Irrigation and Drainage Systems Engineering
AGEN 954, Watershed Modeling
BSEN 957, Modeling Vadose Zone Hydrology
MSYM 852, Irrigation Systems Management
CIVE 830, Fundamentals of Water Quality Modeling

CIVE 852, Water Resources Development
CIVE 854, Hydraulic Engineering
CIVE 855, Nonpoint Source Pollution Control
CIVE 856, Surface Water Hydrology
CIVE 858, Groundwater Engineering
CRPL 870, Environmental Planning & Policy
GEOG 884, Water Resources Seminar
GEOL 888, Groundwater Geology
NRES 853, Hydrology
NRES 868, Wetlands

“One of the things I appreciated was that it was, by design, interdisciplinary. I met several people I ended up working with later while taking these classes, it really set me up for my career going forward.”

**RACHAEL HERPEL, ASSISTANT DIRECTOR,
NEBRASKA WATER CENTER**

For more information, contact the committee member in your department as listed below. You can also contact Dr. Chittaranjan Ray, director of the Nebraska Water Center within the Daugherty Water for Food Global Institute, who serves as chair of the interdepartmental committee, or Dr. Thomas Franti, associate professor of Biological Systems Engineering, who serves as committee co-chair.

- ◆ **Agricultural Economics:** Karina Schoengold
- ◆ **Agronomy and Horticulture:** Keenan Amundsen
- ◆ **Animal Science:** Sheila Purdum
- ◆ **Biological Sciences:** Brigitte Tenhumberg
- ◆ **Biological Systems Engineering:** Thomas Franti
- ◆ **Civil and Environmental Engineering:** David Admiraal
- ◆ **Community and Regional Planning:** Zhenghong Tang
- ◆ **Economics:** Sam Allgood
- ◆ **Political Science:** Dona-Gene Barton
- ◆ **School of Natural Resources:** Steven Thomas
- ◆ **Sociology:** Jeffrey Smith

“The most amazing moment was in the middle of the semester; I was taking biosystems engineering, civil engineering and geology – each dealing with the flow of water underground – and I had this ‘ah-ha’ moment, where the synergy of the three perspectives came together and I got it!”

**JENNIFER SCHELLPEPER, INTEGRATED WATER
MANAGEMENT DIVISION MANAGER, NEBRASKA
DEPARTMENT OF NATURAL RESOURCES**