

# BREE 518. ECOLOGICAL ENGINEERING.

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Credits: 3

Offered by: Bioresource Engineering (Faculty of Agric Environ Sci)

Terms offered: Winter 2026

[View offerings for Winter 2026 in Visual Schedule Builder.](#)

## Description

Concepts and practice of ecological engineering: the planned creation or management of a community of organisms, their nonliving surroundings, and technological components to provide services. Survey of applications such as constructed wetlands, aquatic production systems, green infrastructure for urban storm water management, environmental restoration. Taught cooperatively with a parallel course at University of Nebraska-Lincoln. Online collaboration with an interdisciplinary, international team is an important component of the course.

- Restriction: Not open to students who have taken ABEN 518.
- One 3-hour lecture per week.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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