

# Agricultural and Biosystems Engineering

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## Department Information

- **Department Location:**  
100 Agricultural and Biosystems Engineering
- **Department Phone:**  
701-231-7261
- **Department Email:**  
nds.u.asm@nds.u.edu
- **Department Web Site:**  
[www.ndsu.edu/aben/](http://www.ndsu.edu/aben/) (<http://www.ndsu.edu/aben/>)
- **Credential Offered:**  
B.S.A.B.En.
- **Sample Program Guide:**  
[catalog.ndsu.edu/programs-study/undergraduate/agricultural-biosystems-engineering/](http://catalog.ndsu.edu/programs-study/undergraduate/agricultural-biosystems-engineering/) (<http://catalog.ndsu.edu/programs-study/undergraduate/agricultural-biosystems-engineering/>)

Code	Title	Credits
<b>Advanced Biosciences Electives - 9 credits required. Students may double count with other program electives. A minimum of 3 credits must be from non-ABEN prefix courses in the Advanced Biosciences tab.</b>		
<b>ABEN Courses (Eligible for Adv. Biosci.)</b>		
ABEN 444	Transport Processes	
ABEN 452	Bioenvironmental Systems Design	
ABEN 456	Biobased Energy	
ABEN 458	Process Engineering for Food, Biofuels and Bioproducts	
ABEN 464	Resource Conservation and Irrigation Engineering	
ABEN 484	Drainage and Wetland Engineering	
<b>Engineering Electives (Eligible for Adv. Biosci.)</b>		
CE 370	Introduction to Environmental Engineering	
CE 371	Environmental Engineering Laboratory	
<b>CHEM/BIO Electives (Eligible for Adv. Biosci.)</b>		
ANSC 357	Animal Genetics	
BIOC 260	Elements of Biochemistry	
BIOC 473	Methods of Biochemical Research	
BIOC 474	Methods of Recombinant DNA Technology	
BIOL 364	General Ecology	
CHEM 240	Survey of Organic Chemistry	
CHEM 341	Organic Chemistry I	
CHEM 341L	Organic Chemistry I Laboratory	
CHEM 342	Organic Chemistry II	
CHEM 342L	Organic Chemistry II Laboratory	
MICR 350	General Microbiology	
MICR 350L	General Microbiology Lab	
MICR 352	Critical Skills in Microbiology	
MICR 352L	Critical Skills in Microbiology Laboratory Research	
MICR 452	Microbial Ecology	