Agricultural and Biosystems Engineering Masters

Department Information

- **Department Web Site:**
  ndsu.edu/aben/ (http://ndsu.edu/aben/)
- **Application Deadline:**
  Fall international applications - May 1; Spring international applications- October 1; Domestic applications must be received at least one month prior to the start of the semester
- **Credential Offered:**
  M.S.
- **Test Requirement:**
  TOEFL ibt 79; IELTS 6.5; Duolingo 105
- **Program Overview:**
  https://www.ndsu.edu/programs/graduate/agricultural-and-biosystems-engineering

Apply Now (https://ndsugrad.my.site.com/Application/TX_SiteLogin/?startURL=/Application/TargetX_Portal__PB)

Code	Title	Credits
Didactic Course Work (601-689, 691; 700-789, 791; 800-889 and 891)		**16**
ABEN 790	Graduate Seminar	
Additional Credits (as needed to complete 30 total credits)		
ABEN 798	Master's Thesis	6-10
Total Credits Required		**30**

Code	Title	Credits
Accelerated M.S. in Agricultural and Biosystems Engineering		
Students pursuing an accelerated master's degree in ABEN must complete the following requirements:		
Didactic Course Work (601-689, 691; 700-789, 791; 800-889 and 891)		20-24
ABEN 798	Master's Thesis	6-10
ABEN 790	Graduate Seminar	1-3
Total Credits		30

A maximum of 15 graduate credits earned in the accelerated degree program may be used towards the undergraduate and graduate degree.

* Minimum of 6 credits of NDSU ABEN courses numbered 601-689, 691; 700-789, 791

Admission and Application Requirements

- Graduate School admission and application requirements are found on the Admission Information (http://catalog.ndsu.edu/graduate/admission-information/) page.
- In addition, this program requires applicants to have completed the following coursework:
  - Mathematics through Differential Equations (NDSU: MATH 266 (https://catalog.ndsu.edu/search/?P=MATH%20266) Introduction to Differential Equations)
  - Statistics (NDSU: ME 221 (https://catalog.ndsu.edu/search/?P=ME%20221) Engineering Mechanics I) and Dynamics (NDSU: ME 222 (https://catalog.ndsu.edu/search/?P=ME%20222) Engineering Mechanics II); these two may be substituted by a calculus-based Physics I class
  - Thermodynamics (NDSU: ME 350 (https://catalog.ndsu.edu/search/?P=ME%20350) Thermodynamics and Heat Transfer); may be substituted with ABEN 644 (https://catalog.ndsu.edu/search/?P=ABEN%20644) Transport Processes, which may also count toward graduate degree
  - Fluid Mechanics (NDSU: CE 309 (https://catalog.ndsu.edu/search/?P=CE%20309) Fluid Mechanics or ME 352 (https://catalog.ndsu.edu/search/?P=ME%20352) Fluid Dynamics)
  - Physics II/Electricity and Magnetism (NDSU: PHYS 252 (https://catalog.ndsu.edu/search/?P=PHYS%20252) University Physics II)

- If the courses (or their equivalent) were not taken prior to matriculating at NDSU, they should be taken in addition to other coursework required for the graduate degree.
- The major adviser may appeal to the ABEN graduate committee (not the student's supervisory committee) for substitutions or waivers of these requirements.
- Students are responsible for covering the costs of undergraduate courses.