Applied Economics

Department Information

- **Department Location:**
  500 Barry Hall
- **Department Phone:**
  (701) 231-7441
- **Department Email:**
  ndsu.agribusiness@ndsu.edu
- **Department Web Site:**
  www.ndsu.edu/agecon/ (http://www.ndsu.edu/agecon/)
- **Credential Offered:**
  Ph.D.
- **Test Requirement:**
  GRE
- **English Proficiency Requirements:**
  TOEFL ibt 79; IELTS 6.5; Duolingo 105

The student and major adviser prepare a plan of study by the end of the first year in residence that contains no less than 90 credits as required by the Graduate School. Of these credits, 15 are core courses and will include:

1. six credits in microeconomic theory: New courses Econ 841 and Econ 842
2. three credits in macroeconomic theory: existing course Agec 743
3. six credits in econometrics. New courses Econ 810 and Econ 811

The remaining credits are tailored to the student and can be earned through any credit-based academic activity.

Before advancement to candidacy, a student must complete preliminary exams in economic theory and methods following the first year in residence. Mastery of at least one pre-approved field of applied economics will be demonstrated by:

1. capacity to synthesize important economic literature in the field;
2. demonstrated capacity to master key methods in the field; and
3. capacity to produce original research in the field.

Specific field-level learning objectives and methods will be approved by the Department of Agribusiness and Applied Economics prior to the student's first semester in the program.

All students pursuing a Ph.D. Applied Economics must complete all core courses. Students select elective courses (with approval of the adviser and supervisory committee) to fulfill the remaining Graduate College credit requirements. It is required that students have demonstrated mathematical competency in multivariate calculus, linear (matrix) algebra, and calculus based probability theory. These can be demonstrated by completion of the following courses at NDSU (or their equivalent at another university): Math 259 or Math 265, Math 129, and Stat 367. Alternatively, a student can demonstrate the required mathematical competency by completing an approved course in Mathematical Economics (or Mathematics for Economics) equivalent to Econ 499/699 at NDSU.