

# University of Minnesota

## COLLEGE OF FOOD, AGRICULTURE, AND NATURAL RESOURCE SCIENCES

### **Fulfilling U of M Liberal Education Requirements**

Students are strongly encouraged to complete the Minnesota Transfer Curriculum (MNTC) or Associate of Arts degree before transferring. If you do NOT complete the MNTC or AA degree the U of M will review your transcript on a course by course basis to determine which liberal education requirements you have met. See the U of M Liberal Education transfer guide in the Century College Counseling Office or refer to the Minnesota Course Applicability System for more information on how courses transfer: [www.uselectmn.org](http://www.uselectmn.org)

**All prospective transfers to the College of Food, Agriculture, and Natural Resource Sciences are strongly encouraged to complete all available 1000 level chemistry, biology and math courses that are required for the designated major BEFORE they transfer.**

\*In addition to the Liberal Education and premajor requirements, students must satisfy the High School Preparation requirements. See the H. S. requirements sheet with the U of M transfer guides.

- It is highly recommended that applicants to the majors of **Applied Economics or Agricultural and Food Business Management** complete college algebra with a grade of C or higher, AND completed microeconomics or macroeconomics with a grade of B- or higher. Preferred cumulative GPA is 2.8 or higher.
- Most successful applicants to majors **Food Science and Nutrition** have completed one semester of inorganic chemistry with lab, and one semester of general biology with lab, with grades of C- or better. Preferred cumulative GPA is 2.5 or higher.
- Most successful applicants who wish to pursue the emphasis of **Pre-Vet in the Animal Science** major AND intend to apply to Veterinary School will have completed college algebra, one semester (or more) of general chemistry with lab, and one semester of general biology with lab, with grades of B or higher. Preferred cumulative GPA for this emphasis in Animal Science is 3.0 or higher.

### **Agricultural and Food Business Management**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1070, Math 1025, Econ 1023, Econ 1021, Acct 2020, BMgt 2030

### **Agricultural Education**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1061, Biol 1041, Chem 1041, Econ 1023, Acct 2020

**Additional Courses for Agricultural Education Teaching Licensure:** Psyc 1020

### **Agricultural Industries and Marketing:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1061, Econ 1021, Econ 1023, Acct 2020, Biol 1041, BMgt 2030, Math 1025

**Additional Courses for Track B:** Chem 1042

**Additional Courses for Food Industries:** Hlth 1070

**Animal Science:** Engl 1021, Math 1061, Biol 1041, Econ 1023, Chem 1041

*Students may take the following Century courses to fulfill major requirements:*

**Additional Courses for Industry Emphasis:** Econ 1021, Acct 2020

**Additional Courses for Science/Pre-vet Emphasis:** Chem 1042, Chem 2041, Chem 2042, Phys 1041, Phys 1042

**Additional Courses for Production Emphasis:** Acct 2020

### **Applied Economics:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1070, Econ 1021, Econ 1023, Acct 2020, Math 1025

**Additional Courses for Management & Finance emphasis:** BMgt 2030

### **Applied Plant Science:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Biol 1041, Chem 1041, Phys 1041, Math 1070

**Additional Courses for Plant Utilization Emphasis:** Chem 1042, Chem 2041, Math 1025

### **Bio-based Products**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Biol 1041, Econ 1023, Chem 1041, Math 1081, Math 1025

Updated November 6th, 2009 by SLR, CFANS U of M

Updated November 9, 2009 by KW, CCTC

**Additional Courses for Marketing and Management Specialization:** Phys 1041, Econ 1021, Chem 1042, Psyc 1020, Acct 2020, BMgt 2030

**Additional Courses for Residential Building Science and Technology Specialization:** Math 1082, Phys 1081, Phys 1082

### **Bioproducts and Biosystems Engineering**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Biol 1041, Chem 1041, Chem 1042, Math 1081, Math 1082, Math 2081, Math 2082, Phys 1081, Phys 1082, Engr 2080 AND 2085

**Additional Courses for Bioproducts Engineering Emphasis:** Chem 2041, Chem 2042

**Additional Courses for Bioprocessing & Food Engineering Emphasis:** Chem 2041, Chem 2042, Engr 2091 AND 2094, Math 2025

**Additional Courses for Environmental & Ecological Engineering Emphasis:** Engr 2091 AND 2094, Math 2025

### **Environmental Sciences, Policy and Management:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Biol 1041, Math 1025, Econ 1023, Chem 1041

**Additional courses that transfer based on track:**

**Corporate Environmental Management:** Acct 2020, Chem 1042, Math 1081, Math 1082, Phys 1081, Phys 1082, BMgt 2030

**Conservation Resource Management:** Chem 1042, Math 1070

**Environmental Education and Communication:** ESci 1411 OR Phys 1041

**Environmental Science:** Chem 1042, Math 1081, ESci 1411, Phys 1041

### **Fisheries and Wildlife:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1070, Biol 1041, Chem 1041, ESci 1040 AND 1045

**Additional Courses for Fisheries specialization:** Chem 1042

**Additional Courses toward Vet School:** Chem 1042, Chem 2041, Chem 2042, Phys 1042

### **Food Science:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1081, Math 1082, Math 1025, Biol 1041, Chem 1041, Chem 1042, Chem 2041, Chem 2042, Phys 1081, Phys 1082, Hlth 1070

### **Forest Resources:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1081, Math 1025, Biol 1041, Chem 1041, Chem 1042

**Additional Courses for Forest Management & Planning emphasis:** BMgt 2030, ESci 1040 AND 1045

**Additional Courses for Forest Conservation & Ecosystem Management emphasis:** ESci 1040 AND 1045

### **Horticulture:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1061, Biol 1041, Chem 1041, Hort 1041, Hort 1051 AND Hort 2033, Hort 2031

**Additional Courses for the Business option:** Acct 2020, Econ 1023, Math 2025, BMgt 2030

**Additional Courses for the Science option:** Chem 1042, Chem 2041, Phys 1041

### **Nutrition:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Biol 1041, Chem 1041, Chem 1042, Chem 2041, Hlth 1070, Math 1025

**Additional Courses Required for Nutrition Science:** Chem 2042, Phys 1081, Phys 1082, Math 1070

**Additional Courses Required for Dietetics:** Math 1061, BMgt 2030

### **Recreation Resource Management:**

*Students may take the following Century courses to fulfill major requirements:*

Engl 1021, Math 1061, Math 1025, Biol 1041, Chem 1041, ESci 1411, Psyc 1020, Soc 1020

For a brief summary of each of the college majors above see <http://www.cfans.umn.edu/> and click on "Students" then "Majors and Minors"

**NOTE:** Required courses may also meet Liberal Education Requirements.

Deadlines for application:

- **Fall Semester – March 1<sup>st</sup> priority; June 1<sup>st</sup> final**
- **Spring Semester – October 15<sup>th</sup>**

The College has an extensive *scholarship program*. Your application for admission serves as application for scholarships. **Only applications received by the priority deadline will be considered for scholarships.**

### **CONSULTANTS:**

CFANS Admissions personnel are eager to help with course planning for prospective students.

Suzanne Rethemeier, Admissions Counselor, reth0014@umn.edu, 612-626-0395

For Food Science and Nutrition majors, please contact:

Hannah Cady, Admission Counselor/Student Services Coordinator, [cady0026@umn.edu](mailto:cady0026@umn.edu), 612-624-3220

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