Z MINNESOTA STATE UNIVERSITY MANKATO

AGRONOMY

Agronomy provides broad training in the crop and soil sciences. Agronomy involves the science of growing plants in agricultural settings to provide consumers with food, fuel, fiber and feedstocks. The BAS program provides students with an applied understanding of plant science, plant physiology, crop development, management, weed science, seed technologies, soils and crop production systems with precision agriculture integrated into many areas as part of a holistic agroecosystem.

PROGRAMS

DEGREES AND CERTIFICATES

- Bachelor of Science in Agronomy
- Minor in Agribusiness & Food Innovation

ABOUT THE PROGRAM

The crop production areas consist of selection, planning, management, harvesting and marketing. Areas of soil science include fertility, soil ecology and conservation. In addition, courses in farm machinery, buildings and structures, farm management, farm accounting, farm business analysis, and farm business reorganization provide a broad-based program of study.

REAL-WORLD CONNECTIONS

SKILLS AND TALENTS

- Knowledge of the Business Creation Process
- Innovation in Food and Agriculture
- Product Knowledge
- Leadership Skills
- Quantitative Analysis
- Detail Oriented

CAREERS

- Agriculture Specialist
- Sales Representative
- Crop Manager
- Environmental Engineer
- Research Scientist
- Agricultural Equipment Technician

EMPLOYERS

- Nutrien
- Bayer Ag
- AgriScience
- Syngenta
- CHS
- Pioneer

INSPIRED ACTION

EMPLOYMENT RATE

95.8%

of program graduates begin their careers within one year of graduation.

link.mnsu.edu/graduate-follow-up

MEDIAN SALARY

\$76,400 The median annual wage for Agricultural and Food Scientists in May 2023.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Agricultural and Food Scientists, at <u>link.mnsu.edu/agronomy-salary</u>

PROGRAM WEBSITE



link.mnsu.edu/agronomy



Minnesota State University, Mankato A member of Minnesota State

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SAMPLE FOUR-YEAR PLAN - AGRONOMY, BAS

First Year (Fall)	First Year (Spring)
BIOL 104 Introduction to Soil Science (4) BIOL 106 General Biology II (4) MATH 112 College Algebra (4)	CHEM 201 General Chemistry I (5) BIOL 217 Plant Science (4) General Education Course (3) General Education Course (3)
Second Year (Fall)	Second Year (Spring)
BIOL 125 Livestock Production (3) BIOL 146 Agronomy I (2) STAT 154 Elementary Statistics (4) BIOL 204 Soils II (3) BIOL 215 General Ecology (4) General Education Course (4)	AGBZ 110 Agronomy Selling Skills (3) BIOL 136 Forages and Pasture Management (2) BIOL 246 Agronomy II (3) AGBZ 371 Agricultural Technology Seminar (2) General Education Course (3) General Education Course (3)
Third Year (Fall)	Third Year (Spring)
AGBZ 111 Introduction to Agriculture Economics (3) AGBZ 315 Agronomy Finance Management (4) AGBZ 340 Commodity Marketing Principles (3) AGBZ 350 Agribusiness Transfer & Law (3) General Elective Course (3)	AGBZ 345 Commodity Marketing Strategies (2) Elective Course in Major (3-4) Elective Course in Major (3-4) General Elective Course (3-4)
Fourth Year (Fall)	Fourth Year (Spring)
ENVR 440 Environmental Regulations (3) BIOL 451 Agroecology (4) Elective Course in Major (3-4) General Elective Course (3)	Other Graduation Requirements Courses (14)

For more information about program requirements, visit: <u>mnsu.edu/academics/academic-catalog</u>

LEARN MORE

Department of Biological Sciences

242 Trafton Science Center S 507-389-2786

NOTES