AGR AGRICULTURE

Courses

**AGR.111 Intro to Agriculture Mechanization**  
3 2 4

The major topics considered in this course include agricultural power and machinery, agricultural electrification and application, agricultural structures, and soil and water conservation. Offered: Fall and Spring

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable.

General Education – Not Applicable Elective Only Non Course

**AGR.121 Introduction to Animal Science**  
3 2 4

This course includes the following major topics regarding animal science: introduction and history; breeds of beef, dairy, horses, and other companion animals, poultry, sheep and swine; breeding and selection; anatomy and physiology; nutrition; growth; environment; health and sanitation; product; marketing; and production, technology and economics. The laboratory portion of this course utilizes field trip experiences.

Offered: Fall

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable

*****PLEASE NOTE: THIS COURSE IS CONTINGENT ON UNIVERSITY OF ILLINOIS OFFERINGS*****.

General Education – Not Applicable Elective Only

**AGR.131 Introduction to Crop Science**  
3 2 4

This course focuses upon four principle objectives: the importance of crops on world food production, the basic principles of plant growth and the influence of man and environment, the theoretical and practical application of agronomic principles, and the interpretation of scientific data.

Offered: Fall or Spring

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable

*****PLEASE NOTE: THIS COURSE IS CONTINGENT ON UNIVERSITY OF ILLINOIS OFFERINGS*****.

General Education – Not Applicable Elective Only

**AGR.141 Introduction to Agri Economics**  
3 3

This course provides an introduction to economic principles and the application of those principles to agriculture. The role of agriculture in the United States and the world economics also is included.

Offered: Fall and Spring

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable

*****PLEASE NOTE: THIS COURSE IS CONTINGENT ON UNIVERSITY OF ILLINOIS OFFERINGS*****.

General Education – Not Applicable Elective Only Non Course

**AGR.151 Introductory Soil Science**  
3 2 4

The principle topics considered in this course are: the basic and applied chemical, physical and biological concepts in soils; the origin, classification and distribution of soils and their relationship to people and food production; and the management and conservation of soils. The laboratory portion of this course will utilize a combination of college laboratory and field trip experiences.

Offered: Fall or Spring

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable

*****PLEASE NOTE: THIS COURSE IS CONTINGENT ON UNIVERSITY OF ILLINOIS OFFERINGS*****.

General Education – Not Applicable Elective Only

**AGR.181 Introduction to Horticultural Science**  
2 2 3

This course is an introduction to the principles and practices involved in the development, production, and use of horticulture crops (fruits, vegetables, greenhouse, turf, nursery, floral and landscape). The course will also show the importance of horticulture in providing food and plant ornamentation; plant structure, growth and development; and environmental and biological factors influencing plant growth.

Offered: As Needed

Applicable toward graduation at Sandburg where program structure permits:

Degree or Certificate - AA, AS, AAS, AGS, and Certificates where applicable

*****PLEASE NOTE: THIS COURSE IS CONTINGENT ON UNIVERSITY OF ILLINOIS OFFERINGS*****.

General Education – Not Applicable Elective Only