Ag/Bioscience Pathway
11th & 12th Graders

Overview
Successful completion of this pathway could provide students with the tools to address feeding the growing world population, designing pharmaceuticals, and working in agriculture, medicine, environmental, or veterinary fields with a capstone course taking a molecular view through biotechnology. Embedded in this pathway is the Nebraska Department of Education Pathway Level Program of Study, “Plant systems: Biotech.”

Student Experience & Projects
- Student Clubs FFA & SkillsUSA
- Field Trips & Guest Speakers
- Internships & Job Shadows
- Hands-on Learning

Program of Study

Year 1
Semester 1
AGR1003 - Intro to Ag & Natural Resource Systems
BIOS1010 - General Biology (or) *BIOS1400 Biology I
Semester 2
AGRI1131 - Crop & Food Science
AGRI1152 - Crop & Food Science Lab
*BIOT1400 - Intro to Biotechnology I
*Biotechnology National Certification Track

Year 2
Semester 1
HORT1130 - Intro to Horticulture
AGRI1010 - Fundamentals of Animal Biology
*CHEM1090 - General Chemistry I (or) CHEM1050 - Chemistry & the Citizen
Semester 2
HORT1154 - Greenhouse Management
AGRI1177 - Companion Animals
(or) *BIOT2400 - Intro to Biotechnology II

Please Note
Students will also take an LPS graduation requirement class each semester, one day per week, from the following course options (assigned by TCA): Government & Politics, Economics, Psychology or English.

29 Dual Credits: Earn up to 29 Southeast Community College credits.

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