**Botany**

**Typical Career Fields:**

*Research & Development* (projected growth 8% - 14%)
- Quality Control
- Agricultural Organizations
- Federal Government

*Applied Plant Science* (projected growth 8% - 14%)
- Agronomy
- Breeding
- Economic Botany
- Food Science
- Forestry
- Horticulture
- Natural Resource Management
- Plant Pathology

*Law* (projected growth 8% - 14%)
- Agricultural
- Environmental
- Biotechnological
- Forensics

*Illustration* (projected growth -2% - 2%)
- Scientific Publishers
- Educational & Scientific Software
- Non-Profit Organizations

*Education* (projected growth 15% - 21%)
- Teaching
- Museums
- Botanical Gardens
- Administration

*Marketing & Administration* (projected growth 3% to 7%)
- Pharmaceutical
- Seed Companies
- Biotechnology Firms
- Consulting
- Biological Supply Organizations

*Computer Programming* (projected growth 15% - 21%)
- Scientific Software Companies
- Educational Software Companies

🌞 = Bright Outlook  
*Source: O*NET

**Top Ten Career Fields Chosen by ESU Botany Grads:** *(Source: Linkedin)*

![Bar chart showing top ten career fields]

**Where Our Grads Go (top ten):**

- Univ. of Kansas Medical Center
- US Army Corps of Engineers
- Burns & McDonnell
- College Works Painting
- Cognizant
- MRSI Global
- Wild Birds Unlimited, Inc.
- Altos Escondidos SA
- Wisconsin Department of Natural Resources
- Auraria Library

View a list of required courses for this major at [http://www.emporia.edu/sac/list-of-majors.html](http://www.emporia.edu/sac/list-of-majors.html).

Career Services  career@emporia.edu  620-341-5407  
www.emporia.edu/careerservices

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Botany Majors
Strategies on how to become more marketable at graduation

Research and Development (Quality Control, Agricultural Organizations, Federal Government)
- Learn to set up, operate, maintain laboratory instruments and equipment, and monitor experiments.
- Pursue graduate degrees for advanced positions.
- Gain related experience through part-time jobs, internships, or volunteering.

- Take courses in or double major in areas of interest.
- Learn foreign language for international work.
- Learn federal, state and local government job application processes.
- Obtain Ph.D for teaching, advanced research positions and administration.

Law (Agricultural, Environmental, Biotechnological, Forensics)
- Obtain law degree or other specialized training.

Illustration (Scientific Publishers, Educational and scientific software, Non-profit Organizations)
- Take a double major or minor in illustration.
- Become competent in computer-aided design.
- Seek related work experience, internship or co-op experience.

Education (Teaching, Museums, Botanical Gardens, Consulting, Administration)
- Need a master’s degree as a minimum in most areas.
- Obtain a Ph.D. for positions in college teaching, research and advanced administration.

Marketing and Administration (Pharmaceutical, Seed companies, Biotechnology firms, Scientific Publishers, Biological supply organizations)
- Complete minor in business.
- Hold leadership positions in campus organizations.
- Join student American Marketing Association.

Computer Programming (Scientific and Educational Software Companies)
- Take double major or minor in computer programming.
- Seek related work experience, internship, or co-op position.

Special note:
- Bachelor's degree qualifies for laboratory technician or technical assistant positions in education, industry, government, museums, parks, and botanical gardens.
- Master's degree qualifies for some research and administrative positions.
- Ph.D. required for advanced research and administrative positions, college teaching, and independent research.

Top Career Fields Chosen by ESU Grad: (Source: LinkedIn)
- Education 7
- Research 4
- Project Management 3
- Design / Arts 3
- Engineering 2
- Support 1

Where Our Grads Go (top ten)

Army Corps of Engineers
Academy of Natural Sciences
Altos Escondidos SA
ABC Laboratories
Oklahoma State University
Terumo BCT
Integrated Bio Therapeutics, Inc.
UC Berkeley
Trimble
MRIGlobal