FROM
PHILADELPHIA TO ...

PHILADELPHIA
"People will always eat, so jobs in producing, processing, transporting, and selling food will never go away. For good-paying, rewarding, and secure employment, college students would be well-served to find a major in food and agriculture."

WE’RE GROWING JOBS
What 9 Billion Means to Us
A Great Time to be in Ag Sciences

- 57,900 average annual openings
- 35,400 average graduates

Sources: USDA Employment Opportunities for College Graduates, 2015-2020
USA Today, January 2015
College of Agricultural Sciences

“Our college is a place where you can do well and do good at the same time.”

- Dean Richard T. Roush
Penn State College of Agricultural Sciences
Characteristics of Graduates (Data in Percents)

The data below compare characteristics of graduates of U.S. Colleges of Agriculture and Life Sciences, Forestry, and Veterinary Medicine from 2001-2002 to the same group of graduates from 2012-2013. Gender and ethnicity graphs include only U.S. citizens.

Bachelor's
2001 - 2002

Gender: 47% Male, 53% Female

Ethnicity: 84% Caucasian, 4% Unknown, 16% Ethnic Minority

Citizenship: 69% United States, 31% Foreign

2012 - 2013

Gender: 48% Male, 52% Female

Ethnicity: 79% Caucasian, 3% Unknown, 17% Ethnic Minority

Citizenship: 93% United States, 7% Foreign

Source: National Center for Education Statistics
Characteristics of Graduates (Data in Percents)

The data below compare characteristics of graduates of U.S. Colleges of Agriculture and Life Sciences, Forestry, and Veterinary Medicine from 2001–2002 to the same group of graduates from 2012–2013. Gender and ethnicity graphs include only U.S. citizens.

**Master's**

**2001 - 2002**

- **Gender**
  - Male: 45%
  - Female: 55%

- **Ethnicity**
  - Unknown: 14%
  - Caucasian: 81%
  - Ethnic Minority: 5%

- **Citizenship**
  - Foreign: 15%
  - United States: 85%

**2012 - 2013**

- **Gender**
  - Male: 44%
  - Female: 55%

- **Ethnicity**
  - Unknown: 17%
  - Caucasian: 75%
  - Ethnic Minority: 8%

- **Citizenship**
  - Foreign: 17%
  - United States: 83%

Source: National Center for Education Statistics
Factors Impacting Market for Grads

• Macroeconomic conditions and retirements
• Growing numbers of qualified graduates
• Changing consumer preferences for foods and biomaterials
• Public policy choices affecting food, agriculture, renewable natural resources, and the environment
• Technological advancements in agriculture and biomaterials
• Global market shifts in population, income, food, and energy

Looking Beyond the B.S.

• Role of Career and Technical Education (CTE) programs
• Potential for Associate Degrees and Industry Certifications
• Local options and opportunities
• Shifting technology and job pockets
STEM IS ACTUALLY STE-A-M
THE DIVERSITY OF AGRICULTURE
## Agricultural Sciences Majors

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- Veterinary & Biomedical Sciences
- Wildlife & Fisheries Science
## Focus on Animals

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