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United States Department of Agriculture

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AND SUSTAINABILITY



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FOOD SAFETY AND NUTRITION





INTERNATIONAL PROGRAMS



USDA

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE

Education and Training: New Approaches

USDA Agricultural Outlook Forum

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National Program Leader, NIFA

21 February 2019

Synopsis

- Overall Current Status, Trends, Observations, and Data
 - Bureau of Labor Statistics, 2016-2026
 - Purdue University Employment Opportunities Report, 2015-2020
 - America's Strategy for STEM Education, NSTC

Snapshot of USDA-NIFA Responses

K-14

- Trends / Observations / Feedback
- NIFA opportunities

Snapshot of USDA-NIFA Responses

Undergraduate

- Trends / Observations / Feedback
- NIFA opportunities
- Novel projects

Snapshot of USDA-NIFA Responses

Graduate and Postgraduate

- Trends / Observations / Feedback
- NIFA opportunities
- Innovative projects

Summary

 Stakeholder feedback, Project Director Meetings, Peer Panels, etc.

Selected References

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Agricultural and Food Scientists, on the Internet at https://www.bls.gov/ooh/life-physical-and-social-science/agricultural-and-food-scientists.htm.

CHARTING A COURSE FOR SUCCESS: AMERICA'S STRATEGY FOR STEM EDUCATION. A Report by the COMMITTEE ON STEM EDUCATION of the NATIONAL SCIENCE & TECHNOLOGY COUNCIL. December 2018. Available from https://www.whitehouse.gov/wp-content/uploads/2018/12/STEM-Education-Strategic-Plan-2018.pdf.

Selected References

Goecker, A., Smith, E., Fernandez, J., Ali, R., Theller, R. (2015, May). Employment Opportunities for College Graduates in Food, Agriculture, Renewable Natural Resources, and the Environment: United States, 2015-2020. Available from https://www.purdue.edu/usda/employment/.

National Academies of Sciences, Engineering, and Medicine. 2018. Graduate STEM Education in the 21st Century. Washington, DC: The National Academies Press. doi: https://doi.org/10.17226/25038.



National Institute

Thank You

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