ACES 1130- Agricultural Industry Certifications (1-6 Hours)

Fall 2025

**Class Meeting:** No Synchronous Meeting

**Instructor:** Dr. William Norris

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**Course Description: (Variable Credit for 1-6 Hours)**

Provides academic course credit for the successful completion of agricultural industry certifications. The successful completion of one approved agricultural industry certification yields three hours of course credit. The completion of two agricultural industry certifications can yield a maximum course credit of six hours.

The following agricultural industry certifications will be accepted for academic credit. Additional agricultural industry certifications can be accepted with the approval of the academic dean.

1. [AMSA Culinary Meat Selection & Cookery Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FAMSA%2520Culinary%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.1.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788561476%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=XKR3ayrTbDTUp2Kj8pr%2FJPGI5%2Fb3nBQQA%2FntoYb1fjg%3D&reserved=0)
2. [AMSA Food Safety & Science Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FAMSA%2520Food%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.3.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788568499%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=C15DJOCPFhYKM9E24anshVbAUm%2BgVyKz267LySZMcII%3D&reserved=0)
3. [AMSA Meat Evaluation Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FAMSA%2520Meat%2520Evaluation%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.4.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788575306%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=MDVftu1n5ANU%2BUAfMD4SbGalYc8ZHwvxBN4aqk%2FuaW4%3D&reserved=0)
4. [BASF Plant Science Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FBASF%2520Plant%2520Science%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.6.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788582167%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=pjJj%2FLazFN5mebrbSRidhx42Lb2IyeUsIGFZQjHXqNE%3D&reserved=0)
5. [Benz School of Floral Design Principles of Floral Design Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FBenz_School_Floral_Design_Study_Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.32.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788589012%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=aJDVYho39NJdBkf0Juxzv0D7d5nZjtsuSpl9dRLbLQ4%3D&reserved=0)
6. [Center for Financial Responsibility Personal Financial Literacy Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FCFR%2520Personal%2520Financial%2520Literacy%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.34.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788595785%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=QcKVJ8KW%2BDNK5ySW6ZREUtiVeGYIRwXBDvRw2pJ6wxY%3D&reserved=0)
7. [Ducks Unlimited Ecology Conservation & Management Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FDucks%2520Unlimited%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.37.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788604308%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=tHjwBZYl8%2BLUuxsCYayNFTMUMNAf7hv%2BD%2BmTmhZSpsI%3D&reserved=0)
8. [EETC Principles of Small Engine Technology Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FEETC%2520Small%2520Engines%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.38.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788613691%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=Fg%2FvO5gfzkGBJjiPEfgEYhFMhCNZ%2B6XB9P4LlV5P5no%3D&reserved=0)
9. [Elanco Fundamentals of Animal Science Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FElanco%2520Animal%2520Science%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.39.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788622125%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=LeoclHR61nuTQaIXGzARSi92YOWIE1CYqtdhjASxJlA%3D&reserved=0)
10. [Elanco Veterinary Medical Applications Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FElanco%2520Veterinary%2520Science%2520Applications%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.41.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788629238%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=c6hJnauWUYYCN0rcxqTIkGMOmB0TnawDf5n3hM9u1lk%3D&reserved=0)
11. [Express Employment Professionals Career Preparedness Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FExpress_Career_Prep_Study_Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.42.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788636255%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=7xi%2BEA86vz09QG%2Bv467mKcLbfFhSWBkTqwPzVmUJY4c%3D&reserved=0)
12. [HBAA Residential Construction Skills Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FHBAA_Study_Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.43.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788644294%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=NqsimZWp5T7UQTyq1%2BjVNbhlFZ5JGjp6BKmaaKygXY0%3D&reserved=0)
13. [NCLCA Principles of Livestock Selection & Evaluation Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FNCLCA%2520Prinicples%2520of%2520Livestock%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714066768237.1714068900583.94%26__hssc%3D6129516.44.1714068900583%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788651782%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=FKa5PRSrBrqhFkJGcPzyvgqKxFu7tj0gbuVPiTHbSPg%3D&reserved=0)
14. [NHJTCA Equine Management & Evaluation Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FNHJTCA%2520Equine%2520Study%2520Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714068900583.1714073590780.95%26__hssc%3D6129516.2.1714073590780%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788659122%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=FVWBwRzckGmT2sPKksru5t2WuCWASxjmWmlIXUt7l%2BM%3D&reserved=0)
15. [NRCS Fundamentals of Conservation & Sustainability in Agriculture Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FConcrete5%2520Files%2FNRCS_Study_Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714068900583.1714073590780.95%26__hssc%3D6129516.4.1714073590780%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788668300%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=wVLVo6nv%2FJROCnUBUxGN%2BgZ27OsUw10g5B%2FEgBHhxT4%3D&reserved=0)
16. [Southwest Airlines Professional Communications Certification](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.icevonline.com%2Fhubfs%2FSWA_Certification_Study_Guide.pdf%3F__hstc%3D6129516.32a73385aececf017adaef0eb33eb2e5.1710964005892.1714068900583.1714073590780.95%26__hssc%3D6129516.5.1714073590780%26__hsfp%3D1745393781%26hsutk%3D32a73385aececf017adaef0eb33eb2e5%26contentType%3Dstandard-page&data=05%7C02%7Cwnorris1%40nmsu.edu%7C10ef533174cd45132d1e08dc65f8f9bd%7Ca3ec87a89fb84158ba8ff11bace1ebaa%7C1%7C0%7C638497367788676034%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=ZGs0870mGUti7HhPRF2COMUFqDGUFE9gdIMzyk%2FwcO4%3D&reserved=0)
17. [SFMA Turfgrass Science Certification](https://www.icevonline.com/hubfs/Certification%20Study%20Guides/SFMA%20Turfgrass%20Science%20Study%20Guide.pdf?__hstc=6129516.8b12d64be4a3b74dbc6f5686d045bc14.1714681982074.1718733255507.1718737018492.83&__hssc=6129516.1415.1718737018492&__hsfp=2678111119&hsutk=8b12d64be4a3b74dbc6f5686d045bc14&contentType=standard-page)

**Note.** Learning outcomes for each certification can be accessed with the links above.

**Example Learning Outcomes (BASF Plant Science Certification)**

* PLANT ANATOMY- 10%

-Plant Cell Biology

-Plant Structures

* CLASSIFICATION & NOMENCLATURE- 5%

-Plant Type

-Plant Classification

-Taxonomic Hierarchy

-Cells, Tissues, Organs & Organ Systems

* PLANT PROCESSES- 15%

-Cell Cycle

-Plant Life Cycle

-Plant Cycle

-Plant Hormones & Growth Regulators

-Photosynthesis, Respiration & Transpiration

-Plant Nutrition

* PLANT GENETICS- 10%

-Plant Reproduction

-Plant Biology

-Plant Breeding

-Biotechnology

* CROP PRODUCTION- 5%

-Midwest Region

-Northeast Region

-Southern Region

-Northern Region

* PLANT PESTS- 25%

-Bacterial Disease

-Fungal Diseases

-Viruses

-Chewing Insects

-Sucking Insects

-Vertebrates

-Weeds

* FERTILIZERS, PESTICIDES & HERBICIDES- 15%

-Application Methods

-Equipment

-Records & Schedules

-Proper Handling & Storage

-Effects on the Environment

* WATER RESOURCES- 15%

-Properties of Water

-Sources of Water

-Hydrologic Cycle

-Freshwater Storage

-Water Quality & Pollution

-Wastewater

-Water & Watershed Conservation

**Course Materials:**

No required text.

**Grading and Evaluation Procedures**

In accordance with the grading policy at New Mexico State University, the following grading scale will be used in AXED 1130:

*Grading Scale*

*Successful Completion of an Approved iCEV Certification Exam - 100% (A)*

**Email Communications**

Your NMSU email account is the official means of communicating with the university. Information critical to your success at NMSU is delivered to you via this account, and you are expected to follow rules and policies provided to you via this communication method. Any email from you to the instructor should be sent either through the CANVAS course management system or through your official NMSU email account. Please be advised that due to privacy and security concerns, we are unable to respond to emails from or about students that do not originate from an official NMSU email address.

**Academic Misconduct**

**Academic and non-academic misconduct:**  The Student Code of Conduct defines academic misconduct, non-academic misconduct and the consequences or penalties for each.    The Student Code of Conduct is available in the NMSU Student Handbook online:

[**http://studenthandbook.nmsu.edu/**](http://studenthandbook.nmsu.edu/)

Academic misconduct is explained here:

[**http://studenthandbook.nmsu.edu/student-code-of-conduct/academic-misconduct/**](http://studenthandbook.nmsu.edu/student-code-of-conduct/academic-misconduct/)

**Discrimination and Disability Accommodation**

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact the instructor.

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation. For more information on discrimination issues, Title IX, Campus SaVE Act, NMSU Policy Chapter 3.25, NMSU’s complaint process, or to file a complaint s