

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

Modern Agriculture AAS Degree (GA13)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 6 Terms
 Credit Hours Required for Graduation..... 71

Purpose: The Modern Agriculture Associate of Applied Science degree teaches students to apply knowledge of basic sciences to solve agricultural problems. In addition to studying the biology of plants and animals, students also learn about new technologies that can be applied to plant and animal production systems, resource management, the application of technologies to add value to agricultural production. The Modern Agriculture program allows the student to gain the appreciation for the reliance on natural resources, the basics of animal science, government involvement with food and agriculture, innovative technology within commercial agriculture and food processing, and global impacts of food and agriculture.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

General Core Courses

Total 24 credit hours

| | | |
|--|-------------------------------------|---|
| Area I Language Arts/Communication | | |
| ENGL 1101 | Composition and Rhetoric (required) | 3 |
| Area II Social/Behavioral Sciences | | 3 |
| Area III Natural Sciences/Mathematics | | 3 |
| (one of the following required) | | |
| MATH 1101 | Mathematical Modeling | |
| MATH 1111 | College Algebra | |
| MATH 1103 | Quantitative Skills and Reasoning | |
| MATH 1127 | Introduction to Statistics | |
| Area III Required Courses | | |
| BIOL 1111 | Biology I | 3 |
| BIOL 111L | Biology I Lab | 1 |
| BIOL 1112 | Biology II | 3 |
| BIOL 1112L | Biology II Lab | 1 |
| CHEM 1211 | Chemistry I | 3 |
| CHEM 1211L | Chemistry I Lab | 1 |
| Area IV Humanities/Fine Arts | | 3 |
| General Education Elective | | 3 |

Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.

Occupational Courses

Total 47 credit hours

| | | |
|-----------|-------------------------------------|---|
| AGRB 2200 | Principles of Agronomy | 3 |
| AGRB 2250 | Survey of the Animal Industry | 3 |
| AGRB 2800 | Agribusiness Internship | 3 |
| AGSC 2150 | Grasses and Forages in Agriculture | 3 |
| AGSC 2270 | Livestock Production and Management | 3 |
| COLL 1010 | College and Career Success Skills | 3 |

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| | | | |
|------|------|--|---|
| ESCI | 1130 | Introduction to Fish and Wildlife Management | 3 |
| ESCI | 2130 | Aquaculture | 3 |
| ESCI | 2070 | Wildlife Damage | 4 |
| HORT | 1000 | Horticulture Science | 3 |
| HORT | 1010 | Wood Plant Identification | 3 |
| HORT | 1080 | Pest Management | 3 |
| HORT | 1110 | Small Scale Food Production | 4 |
| HORT | 1670 | Vineyard Technology | 3 |
| | | Occupational Guided Elective | 3 |

Estimated cost of books and supplies for full program is approximately \$1,000.

SCHOOL OF AGRICULTURE AND ENVIRONMENTAL STUDIES

Modern Agriculture Diploma (GA12)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 4 Terms
 Credit Hours Required for Graduation..... 53

Purpose: The Modern Agriculture diploma program teaches students to apply knowledge of basic sciences to solve agricultural problems. In addition to studying the biology of plants and animals, students also learn about new technologies that can be applied to plant and animal production systems, resource management, the application of technologies to add value to agricultural production. The Modern Agriculture program allows the student to gain the appreciation for the reliance on natural resources, the basics of animal science, government involvement with food and agriculture, innovative technology within commercial agriculture and food processing, and global impacts of food and agriculture.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

Basic Skills Courses

Total 12 credit hours

| | | | |
|------|------|-----------------------------------|---|
| COLL | 1010 | College and Career Success Skills | 3 |
| ENGL | 1010 | Fundamentals of English I | 3 |
| MATH | 1012 | Foundations of Mathematics | 3 |
| PSYC | 1010 | Basic Psychology | 3 |

Occupational Courses

Total 41 credit hours

| | | | |
|------|------|--|---|
| AGRB | 2200 | Principles of Agronomy | 3 |
| AGRB | 2250 | Survey of the Animal Industry | 3 |
| AGRB | 2800 | Agribusiness Internship | 3 |
| AGSC | 2150 | Grasses and Forages in Agriculture | 3 |
| AGSC | 2270 | Livestock Production and Management | 3 |
| ESCI | 1130 | Introduction to Fish and Wildlife Management | 3 |
| ESCI | 2130 | Aquaculture | 3 |
| ESCI | 2070 | Wildlife Damage | 4 |
| HORT | 1000 | Horticulture Science | 3 |
| HORT | 1010 | Woody Plant Identification | 3 |
| HORT | 1080 | Pest Management | 3 |
| HORT | 1110 | Small Scale Food Production | 4 |
| | | Guided Elective | 3 |

Estimated cost of books and supplies for full program is approximately \$500.