

# AGRICULTURE WITH AN AREA OF EMPHASIS (AS.AGRI)

## ASSOCIATE OF SCIENCE

**Program Outcomes:** Upon successful completion of this program a student will be able to:

- describe and employ current growing practices in the area of desired study.
- distinguish and propose inputs and controls needed to produce a consistently healthy crop in an area of study.
- recognize and evaluate how agriculture is in a progressively changing flux of knowledge and innovation.
- relate why sustainable agriculture is the cornerstone of future growing trends.

### Required Major Courses (17-20 units)

- |                          |   |         |
|--------------------------|---|---------|
| <input type="checkbox"/> | ABT-110 – Careers in Agriculture and Technology                         | 2.0     |
| <input type="checkbox"/> | ABT-58 – Agriculture Laws and Regulations                               | 3.0     |
| <input type="checkbox"/> | ABT-90 – Soil Science   | 3.0     |
| <input type="checkbox"/> | ABT-92 – Plant Science  | 3.0     |
| <input type="checkbox"/> | ABT-94 – Agriculture Enterprise Project                                 | 2.0     |
| <input type="checkbox"/> | ABT-99 – Occupational Cooperative Work Experience (3 units recommended) | 1.0-3.0 |
| <input type="checkbox"/> | ABT-57 – Agriculture Computer Applications                              | 3.0     |
|                          | <b>OR</b>   |         |
|                          | BUS-43 – Business Information Systems and Information Literacy          | 4.0     |
|                          | <b>OR</b>   |         |
|                          | BUS-50 – Introduction to PC Applications                                | 4.0     |

### Required Major Courses (Complete ONE AREA OF EMPHASIS 18-19 units)

- |                          |   |           |
|--------------------------|---|-----------|
| <input type="checkbox"/> | <b>AGRICULTURE BUSINESS</b>                   | 18.0      |
|                          | o ABT-49, 52, 54, 80, 91                      |           |
|                          | o ABT-53 <b>OR</b> ECO-5                      |           |
| <input type="checkbox"/> | <b>SUSTAINABLE CROP MANAGEMENT</b>            | 18.0      |
|                          | o ABT-80, 81, 82, 83, 98                      |           |
|                          | o Complete 1 course ABT-41, 93, 95, 96, 97    |           |
| <input type="checkbox"/> | <b>FOOD SAFETY</b>                            | 15.0      |
|                          | o ABT-130, 131, 132, 133, 134, 135, 80,       |           |
|                          | o ABT-96 <b>OR</b> ABT-97                     |           |
| <input type="checkbox"/> | <b>HORTICULTURAL TECHNICIAN</b>               | 18.0-19.0 |
|                          | o ABT-80, 81, 82, 83, 98                      |           |
|                          | o Complete 1 course BIO-59, CHM-22, 23        |           |
| <input type="checkbox"/> | <b>PRECISION IRRIGATION</b>                   | 18.0      |
|                          | o ABT-80, 91, 98, 130, 134, 160               |           |
|                          | o Complete 1 course ABT-95, 96, 97            |           |
| <input type="checkbox"/> | <b>SMALL FARM OPERATION AND MANAGEMENT</b>    | 18.0      |
|                          | o ABT-41, 80, 91, 101, 102, 103, 104, 105 134 |           |
| <input type="checkbox"/> | <b>AGRICULTURE TECHNOLOGY EMPHASIS</b>        | 18.0      |
|                          | o ABT-66, 67, 91, ADT-100, MFGT-75, 150       |           |

**SUBTOTAL: 35-39 UNITS**

### General Education – Required Courses

*Students must complete one of the following General Education Plans:*

**HCCD GE** (see page 66) **MAT-123** or higher

- |                          |                         |                          |                              |                          |            |
|--------------------------|-------------------------|--------------------------|------------------------------|--------------------------|------------|
| <input type="checkbox"/> | Natural Sciences        | <input type="checkbox"/> | Social & Behavioral Sciences | <input type="checkbox"/> | Humanities |
| <input type="checkbox"/> | Ethnic Groups in the US | <input type="checkbox"/> | Language and Rationality     |                          |            |

**SUBTOTAL: 21 UNITS**

*Students can double-count required courses and courses for General Education*

■ **Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.**

**TOTAL: 60 UNITS**