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)

- ABT-110 – Careers in Agriculture and Technology 2.0
- ABT-58 – Agriculture Laws and Regulations 3.0
- ABT-90 – Soil Science 3.0
- ABT-92 – Plant Science 3.0
- ABT-94 – Agriculture Enterprise Project 2.0
- ABT-99 – Occupational Cooperative Work Experience (3 units recommended) 1.0-3.0
- ABT-57 – Agriculture Computer Applications 3.0

OR

- BUS-43 – Business Information Systems and Information Literacy 4.0

OR

- BUS-50 – Introduction to PC Applications 4.0

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

- AGRICULTURE BUSINESS 18.0
  - ABT-49, 52, 54, 80, 91
  - ABT-53 OR ECO-5

- SUSTAINABLE CROP MANAGEMENT 18.0
  - ABT-80, 81, 82, 83, 98
  - Complete 1 course ABT-41, 93, 95, 96, 97

- FOOD SAFETY 15.0
  - ABT-130, 131, 132, 133, 134, 135, 80,
  - ABT-96 OR ABT-97

- HORTICULTURAL TECHNICIAN 18.0-19.0
  - ABT-80, 81, 82, 83, 98
  - Complete 1 course BIO-59, CHM-22, 23

- PRECISION IRRIGATION 18.0
  - ABT-80, 91, 98, 130, 134, 160
  - Complete 1 course ABT-95, 96, 97

- SMALL FARM OPERATION AND MANAGEMENT 18.0
  - ABT-41, 80, 91, 101, 102, 103, 104, 105, 134

- AGRICULTURE TECHNOLOGY EMPHASIS 18.0
  - 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

- Natural Sciences
- Social & Behavioral Sciences
- Humanities
- Ethnic Groups in the US
- 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