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NEW PROGRAM PROPOSAL FOR ROUTINE REVIEW

Sponsoring Institution: Moberly Area Community College

Program Title: Agriculture Technology

Degree/Certificate: AAS-Associate in Applied Science If other, please list: _____

Options: None

Delivery Site(s): All MACC locations (Columbia, Hannibal, Kirksville, Mexico, Moberly) except Macon

CIP Classification: 01.0201

**CIP Code can be cross-referenced with programs offered in your region on MDHE's program inventory.
[Click here for link to NCES CIP site.](#)*

Implementation Date 08/17 please use MM/YY date format.

Is this a new off-site location? No Yes

If yes, is the new off-site location within your institution's current CBHE-approved service region? Yes

**If no, public institutions should consult the comprehensive review process.*

Is this a collaborative program? Yes No *If yes, please complete the collaborative programs form on page 6.*

CERTIFICATIONS:

- The program is within the institution's CBHE approved mission. *(public institutions only)*
- The program will be offered within the institution's CBHE approved service region. *(public institutions only)*
- The program builds upon existing programs and faculty expertise.
- The program does not unnecessarily duplicate an existing program in the geographically applicable area.
- The program can be launched with minimal expense and falls within the institution's current operating budget. *(public institutions only)*

AUTHORIZATION:

Jeffery C. Lashley		03/21/18
Name/Title of Institutional Officer	Signature	Date

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Although the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Qualifications of performance goals should be included wherever possible.

If you need more than one line of text to answer questions 1–5, please attach a Word .doc.

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

No special preparation will be required.

- Characteristics of a specific population to be served, if applicable.

N/A

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Bachelor's degree required/teaching and industry experience preferred

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.

>60% of Agriculture credit hours will be assigned to full-time faculty. Percent for gen ed credit hours will vary.

- Expectations for professional activities, special student contact, teaching/learning innovation.

Maintain current competency through continuing education and industry certification

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.

Projection: 21 student FTE majoring in the program by the end of five years.

- Percent of full time and part time enrollment by the end of five years.

Projection: 59% full-time enrollment /41% of part-time enrollment by the end of five years.

STUDENT ENROLLMENT PROJECTIONS

YEAR	1	2	3	4	5
FULL TIME	8	10	12	14	17
PART TIME	6	7	8	10	12
TOTAL	14	17	20	24	29

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.

Projections: 7 graduates at year three and 10 graduates at year five after implementation.

- Special skills specific to the program.

fluid power, mechanical systems, electrical wiring, ag welding, plus broad fundamentals in ag science

- Proportion of students who will achieve licensing, certification, or registration.

N/A

- Performance on national and/or local assessments, e.g. percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

At least 80% of graduates will achieve proficiency in at least 80% of the essential skills.

- Placement rates in related fields, in other fields, unemployed.

>80% of program graduates will get employed in related field.

- Transfer rates, continuous study.

N/A Job placement, not transfer, is the purpose of the AAS degree.

5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide a rationale

MACC is accredited through The Higher Learning Commission. Specialized accreditation does not apply.

6. Program Structure

A. Total credits required for graduation: 60

B. Residency requirements, if any: N/A

C. General education: Total credits: 23

Courses (specific courses OR distribution area and credits)

Course Number	Credits	Course Title
BUS150 or LAL101	3	Business Communications or Composition I
MTH 130/140/142/160	3	Tech Math, Precalculus Algebra, Quantitative Reasoning, or Elem Statistics
HST105/106, PSC105	3	Am History to 1865, Am History from 1865, Funct & Policies of Am Govt
BIO151	4	Plant Biology
PHY140	4	Soil Science
SPK101	3	Public Speaking
ECN101/ECN102	3	Macroeconomics/Microeconomics

D. Major requirements: Total credits: 37

Course Number	Credits	Course Title
AGR101	3	Agriculture Orientation
AGR	3	Agriculture Business
AGR	4	Animal Science
AGR	3	Animal Nutrition
AGR	4	Crop Science
AGR	3	Introduction to Precision Agriculture
EET100	3	DC/AC Electronics
EET101	3	Industrial Electricity
IND105	3	Fluid Power Principles
IND200	3	Mechanical Systems
WLD101	3	Welding I
AGR/SKL	2	Agriculture Internship/Employment Seminar

E. Free elective credits: 0
(sum of C, D, and E should equal A)

F. Requirements for thesis, internship or other capstone experience: N/A

G. Any unique features such as interdepartmental cooperation: N/A

7. Need/Demand

Student demand

Market demand

Societal need

I hereby certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful.

On July 1, 2011, the Coordinating Board for Higher Education began provisionally approving all new programs with a subsequent review and consideration for full approval after five years.

COLLABORATIVE PROGRAMS

Sponsoring Institution One: N/A

Sponsoring Institution Two: _____

Other Collaborative Institutions: _____

Length of Agreement: _____

Please note: If you need more than two lines of text to answer questions 1–5, please attach a word .doc.

1. Which institution (s) will have degree-granting authority?

2. Which institution (s) will have the authority for faculty hiring, course assignment, evaluation and reappointment decisions?

3. What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?

4. Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?

5. What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?