

**Agriculture Mechanics-CNH Top Tech  
Curricular Approval Matrix (CAM)  
Executive Summary  
5/5/2022**

**Project Rationale:**

A long standing partnership with CNH would be enhanced with this program. Our current program trains technicians who are currently employed with a CNH dealership and requires continuing education. This program would provide dealership with trained individuals to hire.

According to the Kansas Occupational Outlook the need for farm equipment mechanics will increase by 8.9% over the next 10 years. The median salary being \$37,270.

**Program of Study**

- **New or Modified Existing Program (if modified, please explain proposed changes)**
  - This new program was proposed to Barton from Case New Holland (CNH) to build on our current partnership of training technician that are currently working in a dealership. This program would be an Agriculture Mechanics program that would provide CNH dealership with new technicians that have CNH level 1 training and basic farm machinery repair skills.
- **Program Description**
  - This program is intended for students seeking to work at an agriculture equipment dealership. It will instruct on the basic knowledge and skills of repair of agricultural equipment.
- **Program Objectives**
  - Prepare students to obtain employment in the farm equipment repair industry, by providing the foundational knowledge and skills needed to be successful.

- **Program Exit Points (SAPP, Certificate, and/or Degree)**

Certificate (Total Credit Hours – 50)

REQUIREMENTS				
See Advisor for Transfer Information				
<input type="checkbox"/>	CNHI	1220	Introduction to DC Electrical Systems	3
<input type="checkbox"/>	CNHI	1221	Electrical System Diagnostics	3
<input type="checkbox"/>	CNHI	1222	Introduction to Fluid Power Systems	3
<input type="checkbox"/>	CNHI	1223	Hydraulic Systems Diagnostics	3
<input type="checkbox"/>	CNHI	1224	Consumer Products/Small Gas Engines	3
<input type="checkbox"/>	CNHI	1225	Diesel Engine Theory and Overhaul	4
<input type="checkbox"/>	CNHI	1226	Introduction to Fuel Systems	3
<input type="checkbox"/>	CNHI	1227	Emission Systems and Diagnostics	3
<input type="checkbox"/>	CNHI	1228	Powertrains/Transmissions	4
<input type="checkbox"/>	CNHI	1229	Final Drives/Undercarriage	2
<input type="checkbox"/>	CNHI	1230	Heating Ventilation and Air Conditioning	3
<input type="checkbox"/>	CNHI	1231	Introduction to Shop/Service Applications	2
<input type="checkbox"/>	CNHI	1232	Precision Farming Systems/Applications	2
<input type="checkbox"/>	CNHI	1233	Electronic Service Tool Applications	3
<input type="checkbox"/>	MATH	1806	Technical Math	3
<input type="checkbox"/>	COMM	1200 or 1230	Interpersonal Communications or Public Speaking	3
<input type="checkbox"/>	COMM	1222	Technical Communications	3
<input type="checkbox"/>				
<b>TOTAL</b>				<b>50</b>

Review Date 00/00

Effective Date 00/00

- **Delivery Method**
  - All course would be delivered in a face to face format.
- **Facility Needs (if applicable)**
  - The program would need a facility large enough to hold one piece of CNH equipment and a classroom for 14 students.
- **Length of Program Exit Points (# of Weeks)**
  - The program would be taught over the course of two semesters or 30 weeks. Each cohort of students would start in August only.
- **Program Location**
  - Barton County Campus
- **Faculty Needs**
  - One full time faculty member
- **Third-Party Accreditation**
  - There is no third party accreditation agency. However, CNH has provided their requirement for level one certification which we will ensure students have the opportunity to achieve that certification prior to completion.
- **Partnerships**
  - CNH has committed to provide equipment and curriculum for classroom activities. They have also said that they will assist with promotion of the program and recruitment of students.

**Resource Needs:** One full time faculty member

**Other Unique Features/Details:** None

**Projected Implementation Term:** Fall 2023

**Respectfully Submitted By:**

**Mary Foley, Executive Director of Workforce Training and Economic Development**

**Mark Bogner, Case New Holland Instructor**

**Dr. Kathy Kottas, Dean of Workforce Training and Community Education**