

# ASSOCIATE OF APPLIED SCIENCE IN AGRICULTURAL EQUIPMENT TECHNOLOGY

This degree is designed to develop technically competent professional agricultural equipment service technicians. Students receive state-of-the-art technical education on the latest agricultural equipment through a combination of classroom instruction, hands-on laboratory instruction and supervised occupational work experience at a partnering dealership.

## Requirements

Code	Title	Credits
<b>Communications</b>		<b>6.00</b>
COM-150	PUBLIC SPEAKING <sup>1</sup>	
or COM-110 INTERPERSONAL COMMUNICATIONS		
ENG-121	ENGLISH COMPOSITION I <sup>1</sup>	
<b>Humanities/Social Science</b>		<b>3.00</b>
Select at least 1 course, at least 3 credits		
Any ANTH course		
Any ART course		
ENG-126	CREATIVE WRITING I (or higher) <sup>1</sup>	
COM 110 (if not taken for Communications Requirement)		
COM 150 (If not taken for Communications Requirement) <sup>1</sup>		
Any ECON course		
Any HIST course		
Any HUM course		
Any LNG course		
Any MUS course		
Any PHIL course		
Any PSI course		
Any PSY course		
Any REL course		
Any SOC course		
<b>Mathematics/Natural Science</b>		<b>3.00</b>
MATH-109	MATH FOR TECHNICIANS I	
<b>General Education</b>		<b>3.00</b>
Complete 3 additional general education credits to meet a minimum of 15		
<b>Required Courses</b>		<b>48.00</b>
AGT-101	HYDRAULIC THEORY & OPERATION	
AGT-102	PRODUCTION AGRICULTURE	
AGT-103	FUNDAMENTALS OF ENGINES	
AGT-104	VEHICLE/EQUIPMENT ELEC FUNDAMENTALS	
AGT-109	HEATING, VENTING & AC SYSTEMS	
AGT-112	SEEDING & TILLAGE EQUIPMENT	
AGT-113	HYDRAULIC SYSTEMS <sup>1</sup>	
AGT-116	COMBINE MAINTENANCE & REPAIR	
AGT-119	VEH/EQUIP ELEC SYST OPER & DIAGNOSTICS <sup>1</sup>	
AGT-122	PRECISION FARMING SYSTEMS <sup>1</sup>	
AGT-125	TRACTION DRIVELINES	
AGT-207	ADVANCED HYDRAULICS <sup>1</sup>	

AGT-213	DIESEL ENG PERF ANALYSIS/TUNE UP <sup>1</sup>
AGT-216	EQUIPMENT SHOP PROJECT <sup>1</sup>
AGT-220	DIESEL TECH FIELD EXPERIENCE (Internship)
BUS-104	INTRO TO BUSINESS <sup>1</sup>
INDS-151	MANUFACTURING PROCESSES
WELD-190	APPLIED WELDING FOR SKILLED TRADES

**Total Credits** **63.00**

<sup>1</sup>

Course has prerequisite(s)

Tuition is calculated by contact hours per semester.

**Note:** AGT-220 DIESEL TECH FIELD EXPERIENCE is billed by credits. No courses below 100 level will be accepted toward this degree.

Current/Updated: 07/01/2023

## Suggested Schedule

Course	Title	Credits
<b>Fall 1</b>		
Required Coursework		13.00
AGT-101	HYDRAULIC THEORY & OPERATION	
AGT-102	PRODUCTION AGRICULTURE	
AGT-103	FUNDAMENTALS OF ENGINES	
AGT-119	VEH/EQUIP ELEC SYST OPER & DIAGNOSTICS	
INDS-151	MANUFACTURING PROCESSES	
<b>Credits</b>		<b>13.00</b>
<b>Winter 1</b>		
Required Coursework		15.00
AGT-104	VEHICLE/EQUIPMENT ELEC FUNDAMENTALS	
AGT-113	HYDRAULIC SYSTEMS	
AGT-116	COMBINE MAINTENANCE & REPAIR	
ENG-121	ENGLISH COMPOSITION I	
WELD-190	APPLIED WELDING FOR SKILLED TRADES	
<b>Credits</b>		<b>15.00</b>
<b>Summer 1</b>		
Required Coursework		2.00
AGT-220	DIESEL TECH FIELD EXPERIENCE	
<b>Credits</b>		<b>2</b>
<b>Fall 2</b>		
Required Coursework		16.00
AGT-112	SEEDING & TILLAGE EQUIPMENT	
AGT-125	TRACTION DRIVELINES	
AGT-207	ADVANCED HYDRAULICS	
AGT-213	DIESEL ENG PERF ANALYSIS/TUNE UP	
BUS-104	INTRO TO BUSINESS	
MATH-109	MATH FOR TECHNICIANS I	
<b>Credits</b>		<b>16.00</b>
<b>Winter 2</b>		
Required Coursework		17.00
AGT-109	HEATING, VENTING & AC SYSTEMS	
AGT-122	PRECISION FARMING SYSTEMS	
AGT-216	EQUIPMENT SHOP PROJECT	
COM-110	INTERPERSONAL COMMUNICATIONS	
or COM-150	or PUBLIC SPEAKING	
GENERAL EDUCATION ELECTIVE		
HUMANITIES/SOCIAL SCIENCE ELECTIVE		
<b>Credits</b>		<b>17.00</b>
<b>Total Credits</b>		<b>63.00</b>