



# Program Learning Outcomes Results

## Professional and Technical Programs

AY 2024-25

### AS Agriculture

Core Abilities	Program Learning Outcomes	Benchmark/Target	Results	Comments
Occupational Skills Technology	Demonstrate knowledge of scientific principles and emerging technologies related to agriculture.	Met	80%	
Social Skills	Use knowledge and research to make informed and ethical decisions in a diverse agricultural industry.			This PLO was not assessed in AY 2024-25
Occupational Skills Social Skills	Describe and analyze current events and issues in agriculture, and how they affect the future of agricultural industries.	Met	100%	Two students did not complete the assignment.

### AS Natural Resources

Core Abilities	Program Learning Outcomes	Benchmark/Target	Results	Comments
Occupational Skills Technology	Describe basic scientific principles and applications of technology in natural resources.	Met	100%	
Social Skills	Recognize how natural resource management relates to the larger environment, economy, and society.			This PLO was not assessed in AY 2024-25
Occupational Skills	Explain biological processes that influence ecosystems and the sustainability of natural resources.	Met	80%	

### AS Business

Core Abilities	Program Learning Outcomes	Benchmark/Target	Results	Comments
Communication	Communicate professionally in oral and written communication.			This PLO was not assessed in AY 2024-25
Social Skills	Demonstrate the importance of ethical concepts in business practices.			This PLO was not assessed in AY 2024-25
Occupational Skills Life Skills	Correctly apply business concepts and theories in business decision-making	Not Met	65%	The lower scores suggest potential challenges in either the assignment, the instructional method, or student engagement. Follow up before

C Communication O ccupational Skills L ife Skills T echnology S ocial Skills

				this outcome is assessment again.
Occupational Skills Technology	Identify and incorporate appropriate technologies to solve practical business problems and/or present data.	Met	92%	
	Apply critical thinking skills to make appropriate decisions.			This PLO was not assessed in AY 2024-25
	Demonstrate teambuilding skills in business situations.			This PLO was not assessed in AY 2024-25
<b>AAS General Business</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Communication	Communicate professionally in oral and written communication.			This PLO was not assessed in AY 2024-25
Social Skills	Identify ethical issues when making business decisions.			This PLO was not assessed in AY 2024-25
Life Skills	Apply critical thinking skills to make decisions.	Met	85%	
Communication Occupational Skills Technology	Use technology to clearly communicate, calculate, and present concepts and data.	Met	96%	
	Apply fundamental business principles to address corporate challenges.			This PLO was not assessed in AY 2024-25
	Solve a business problem or support a business process by using standard software.			This PLO was not assessed in AY 2024-25
<b>TC Cosmetology</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
	Successfully pass the Arkansas State Board Cosmetology Exam.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Apply knowledge of the color wheel to perform chemical services.			This PLO was not assessed in AY 2024-25
Occupational Skills	Recognize skin types and skin disorders.			This PLO was not assessed in AY 2024-25
Communication Occupational Skills	Demonstrate basic principles of hair analysis, haircutting, and hairstyling.	Met	79%	
Occupational Skills Life Skills	Implement safety skills relevant to the career field.	Met	83%	

**C**ommunication **O**ccupational Skills **L**ife Skills **T**echnology **S**ocial Skills

	Identify business skills and activities required for the successful establishment and operation of a small business in a salon or spa environment.			This PLO was not assessed in AY 2024-25
<b>TC Automotive/Diesel</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Occupational Skills	Apply EPA and OSHA safety standards.			This PLO was not assessed in AY 2024-25
Occupational Skills	Demonstrate proper techniques while performing routine inspections and preventive maintenance.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Inspect, diagnose, and repair the major systems found in current auto and diesel vehicles.	Met	100%	
Occupational Skills Technology	Determine the proper use of advanced diagnostic equipment commonly used in the service and repair shop.	Met	100%	
	Identify and explain the function of automotive and diesel parts and systems.			This PLO was not assessed in AY 2024-25
<b>TC Industrial Electricity</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Occupational Skills Life Skills Technology	Identify the National Electrical Code standards and the recommended safe work practices.			This PLO was not assessed in AY 2024-25
Occupational Skills Life Skills	Perform electrical calculations to determine voltage, amperage, and resistance using Ohm's and Kirchhoff's Laws.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Identify proper electrical controls used for industrial motors and equipment.	Met	100%	
Occupational Skills Technology	Install and wire electrical components and motors.	Met	100%	
	Troubleshoot industrial equipment using electrical schematics and proper tools.			This PLO was not assessed in AY 2024-25
	Write and install programs to perform a variety of operations utilizing Allen Bradley PLCs and software.			This PLO was not assessed in AY 2024-25
<b>TC Industrial Technology</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Occupational Skills Life Skills	Attain knowledge of basic electrical systems.			This PLO was not assessed in AY 2024-25

**C**ommunication **O**ccupational Skills **L**ife Skills **T**echnology **S**ocial Skills

Technology				
Occupational Skills Technology	Repair and maintain hydraulic and pneumatic systems.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Read and interpret basic blueprints, shop drawings, and electrical schematics.	Met	92%	
Occupational Skills Technology	Maintain and repair power transfer systems.	Met	100%	
	Demonstrate basic welding processes.			This PLO was not assessed in AY 2024-25
	Demonstrate NCCER curriculum standards.			This PLO was not assessed in AY 2024-25
<b>TC Pipe Welding</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Occupational Skills Technology	Pass guided bend test to AWS standards for SMAW carbon steel pipe (uphill and downhill).			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Pass guided bend test to AWS standards for SMAW stainless steel pipe.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Pass guided bend test to AWS standards for GMAW carbon steel pipe.	Met	100%	
Occupational Skills Technology	Pass guided bend test to AWS standards for FCAW carbon steel pipe.	Met	0%	Only one student was enrolled, and he did not pass due to absenteeism.
	Pass guided bend test to AWS standards for GTAW carbon, stainless, and aluminum pipe.			This PLO was not assessed in AY 2024-25
<b>TC Welding</b>				
<b>Core Abilities</b>	<b>Program Learning Outcomes</b>	<b>Benchmark/Target</b>	<b>Results</b>	<b>Comments</b>
Occupational Skills Life Skill Technology	Demonstrate welding safety and proper use of shop tools according to NCCER standards.			This PLO was not assessed in AY 2024-25
Occupational Skills	Demonstrate oxy-acetylene and cutting skills.			This PLO was not assessed in AY 2024-25
Occupational Skills Technology	Demonstrate shielded metal arc welding skills.	Met	100%	
Occupational Skills Technology	Demonstrate gas metal arc welding skills.	Met	100%	

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	Demonstrate gas tungsten welding skills.			This PLO was not assessed in AY 2024-25
	Apply and understand construction mathematical and reasoning skills, basic blueprint reading, and welding symbols.			This PLO was not assessed in AY 2024-25

**C**ommunication 
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