

**B.S. in Agricultural Technology Management (ATM)  
Program Assessment Alignment Matrix**

<b>SLO/Required Courses/Experiences</b>	<b>BAE 350 Agric. Mach. Syst.</b>	<b>ATM 251 Chem. Appl. Syst. Lab</b>	<b>ATM 450 Sensors &amp; Controls</b>	<b>ATM 558 Soil Erosion &amp; Control</b>	<b>ATM 511 Agric. Bldg Systems</b>
<b>ATM SLO</b>					
Ability to apply basic principles of mathematics, science, technology, management, and economics to agricultural systems.	A	X	X	X	X
Ability to plan and conduct experiments, and to analyze and interpret data.	X	A			
Ability to identify agricultural system problems, locate relevant information, develop and analyze possible alternatives, and formulate and implement solutions.	X	X	A	A	A
Ability to apply economic principles, scientific principles and technologies.	X	X	X	X	X
Ability to function within, and contribute to, multi-disciplinary teams.	X	X	X	X	X
Ability to recognize and define agricultural systems problems and the impact of their proposed solutions in a global & societal context.	X	X	X	X	X
Ability to communicate effectively	X	X	X	X	X
Ability to understand professional and ethical responsibilities and put them into practice.	X	X	X	X	X
Recognition of the need for, and an ability to engage in life-long learning.	X	X	X	X	X
<b>University SLOs</b>					
Knowledge	A	X	X	X	A
Critical thinking	X	X	A	A	A
Communication	X	X	X	X	X
Diversity					
Academic and professional integrity	X	X	X	X	X

“X” - courses or experiences in which students have the opportunity to learn the outcome.

“A” - courses or experiences in which student performance is used for program level assessment of the outcome.