

Matrix for ANSC	I = Introduce	P=practice																	
Student Learning Outcome\Course	MATH 105	CHEM 107 OR 111	CHEM 108 OR 112	ABUS 101 OR 262	AGET 120 OR 150	ANSC 101	ANSC 175 or 272 or 273	PSSC 101 OR 250	ANSC 230	ANSC 301	ANSC 330	ANSC 340	ANSC 350	ANSC 360	ANSC 471 or 474	AGRI 305	AGRI 331	AGRI 482	AGRI 490
Goal: Technically competent in their chosen field of agriculture and able to make sound judgments:																			
Demonstrate basic principles of animal nutrition						I	P		P	P	M								
Demonstrate basic principles of reproductive physiology						I	P			P		M							
Demonstrate basic principles of agricultural genetics						I	P									M			
Demonstrate basic principles of animal health & disease						I	P							M					
Demonstrate basic principles of meat science/food safety						I				P			P, M						
Demonstrate understanding of at least two domesticated species						I	I			P	P	P	P	P	M				
Demonstrate basic principles of agricultural business				I											P				
Demonstrate basic principles of plant science								I	P		P								
Goal: Demonstrate the ability to identify the appropriate methodologies to solve analytical problems.																			
Demonstrate scientific method						I		I											P, M
Demonstrate Quantitative/Analytical skills	I	I	I	I		I			P		P				P	P			M

Student Learning Outcome/Course	MATH 105	CHEM 107 OR 111	CHEM 108 OR 112	ABUS 101 OR 262	AGET 120 OR 150	ANSC 101	ANSC 175 or 272 or 273	PSSC 101 OR 250	ANSC 230	ANSC 301	ANSC 330	ANSC 340	ANSC 350	ANSC 360	ANSC 471 or 474	AGRI 305	AGRI 331	AGRI 482	AGRI 490	
Knowledge of experimental design																				P,M
Goal: Capable of communicating clearly and concisely																				
Demonstrate effective verbal communication in AGRI/ANSC																		P	P,M	M
Demonstrate effective written communication in AGRI/ANSC																		P	P,M	M
Goal: Aware of complex and interrelationship natural and agricultural systems:																				
Be able to apply ecological principles to the management of agricultural systems.																				P,M
Goal: Have an international and domestic perspective of historical and current issues as applied to agriculture																				
Have knowledge of wide range of agricultural issues and problems such as environmental quality, food safety, and international competitiveness.																		P	M	
Identify ethical issues and appropriate solutions.																		P	M	