

Agriscience Applications

85 actual instructional days

ES # Obj.#	Units, Essential Standards, and Objectives (The learner will be able to☺)	Time Days	Course Weight	Cognitive process	Core or Supplem ent
1	2	3	4	5	6
	Total Course Weight		100%		
A.	INTRODUCTION TO AGRICULTURE	24	28%	C2	
1.00	Understand leadership opportunities and SAE related to the agriscience Industry.	17	20%		Core
1.01	<i>Understand the history, opportunities and structure of organizations related to the agriscience industry.</i>	4	5%		Core
1.02	<i>Understand effective leadership and communication skills.</i>	7	8%		core
1.03	<i>Understand the importance of SAE to work-based learning.</i>	6	7%		Core
B.	Understand global agriculture.	7	8%	C2	Core
2.01	<i>Understand the history of global agriculture.</i>	4	5%		Core
2.02	<i>Compare the current and future issues in global agriculture</i>	3	3%		Core
B.	AGRISCIENCE INDUSTRY	61	72%		
3.00	Understand the plant industry	15	18%	C2	Core
3.01	<i>Remember careers in the plant industry.</i>	2	3%	C1	Core
3.02	<i>Understand biotechnology in the plant industry</i>	4	5%	C2	Core
3.03	<i>Understand basic horticultural (ornamental, fruit and vegetable) and agronomic principles and practices.</i>	7	8%	C2	Core
3.04	<i>Remember tools and their safety practices related to the plant industry.</i>	2	2%	C1	Core
4.00	Understand the animal industry (large animal, equine, and aquaculture)	15	18%	C2	Core
4.01	<i>Remember careers in the animal industry.</i>	2	3%	C1	Core

4.02	<i>Understand biotechnology in the animal industry.</i>	3	3%	C2	Core
4.03	<i>Understand basic animal principles and practices.</i>	8	10%	C2	Core
4.04	<i>Remember tools and their safety practices related to the animal industry.</i>	2	2%	C1	Core
5.00	Understand the environmental science industry (water, soils, wildlife, and forestry)	16	18%	C2	Core
5.01	<i>Remember careers in the environmental science industry.</i>	2	3%	C1	Core
5.02	<i>Understand biotechnology in the environmental sciences industry.</i>	3	3%	C2	Core
5.03	<i>Understand basic environmental principles and practices.</i>	8	10%	C2	Core
5.04	<i>Remember tools and their safety practices related to the environmental science industry.</i>	2	2%	C1	Core
	<i>Hunter Safety Course Test</i>	1			Suppl
6.00	Understand the agriculture engineering industry.	15	18%	C2	Core
6.01	<i>Remember careers in the agricultural mechanics industry.</i>	2	2%	C1	Core
6.02	<i>Understand basic agricultural engineering principles and practices.</i>	10	12%	C2	Core
6.03	<i>Remember tools and their safety practices related to the agriculture mechanics industry.</i>	3	4%	C1	core