High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



Area of Study: Agricultural Education

Get the Facts	5					EER AND TECHNIC						Agricultural Systems
Utah agriculturists produce			Recommended Pathway Courses								Technology is: > High skill	
crops and livestock worth over			(Students may select individual courses for exploration, or									
\$1.5 billion annually. Students enrolled in high school agricultural courses are looking to join a \$1.5- billion industry in Utah and a \$300-billion industry nationwide.			-	a complete Pathway for an in-depth focus.) CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL						-		> High demand
			-						1	4		5
			Course #			ourses: (required) Credit					Sample Career	
			01.0211			stems Technology I			1.00	\neg	- 2.00 credits	Occupations
			01.0221			tems Technology II	1.00		IJ		> Agricultural Education	
				Elective Courses:						K		Teacher
Workforce Trends			01.0111	Agricultural Business Management 1.00						41		 > Agricultural Engineer > Agricultural Engineer
According to the U.S. Department of Labor, the growing interest in worldwide standardization of agricultural equipment should result in increased employment of agricultural engineers. Job opportunities should also result from the increasing demand for agricultural products, the continued efforts for more efficient agricultural production, and the increasing emphasis on the conservation of resources.			01.0802	Agricultural Communication 1.00 Agricultural Leadership 1.00 Agricultural Machinery Technology 1.00 Agricultural Machinery Technology 1.00 Agricultural Machinery Technology 1.00 Agricultural Science I 1.00 Biology-Agricultural Science 1.00 Farm and Ranch Management 1.00 Industrial/Agricultural Technology (IAT) 1.00 Welding Technician – Entry Level 1.00 Welding Technician – Intermediate Level 1.00 Welding Technician – Advanced Level 1.00 Summer Agriculture Program .25 Supervised Agriculture Experience Program (capstone experience)								
			01.0803						1.00 credit	1.00 credit	Technician > Diesel Mechanic > Equipment Parts Manager > Environmental Tech. > Heavy Equipment Operator > Machinist > Recycling Technician	
			01.0241									
			01.0231									
			01.0311									
			02.0112									
			21.0707									
			48.0508									
			48.0510									
			48.0512							> Welder		
			01.0100							11		
		高级英	32.0199		ace Skills				$\mathcal{V}_{$			
										3.00 credits for completion		
7th	School 8th		State Requi	High S		9th Grade	gh School Sugges				12th Grade	College and Career
Grade			6 3011001	righ 3	SCHOOL	Suggested	Suggested	Suggested		Suggested		Beyond High School There are a number of options
Language Arts 7 1.00	Language Ar 1.00	ts 8 2.00	Langua Arts	ge	4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00 Math * 1.00		Language Arts 12 1.00		for education and training
Math * 1.00	Math * 1.00	2.00	Math		3.00	Math * 1.00	Math * 1.00				1.00	beyond high school, depending on your career
										<u> </u>		 goals. Certificate Associate degree > Bachelor's degree
Science .50	Science 1.00	1.50	Scienc	Science 3		Earth Systems 1.00	Science or Biological Science 1.00			ultural Science I 1.00		
Utah Studies	U.S. History	1.50 I	Social Stu	udies	3.00	Geography for Life	World Civilizations	U.S. H	History II		U.S. Government and	> Professional degree
.50	1.00					.50	.50	1.00			Citizenship .50	> On-the-job training
									Finan	cial L	iteracy .50	> Apprenticeship
P.E.	Health	1.50	P.E./Health		2.00	Participation Skills Fitness for Life .50 / Health E			Educa	ation .50	> Military training	
1.00	.50					and Techniques .50 Lifetime Activities or S					For more information on salar	
The Arts .50	The Arts .50	1.00	Fine Arts 1.50		1.50	Fine Arts Courses 1.50				projections, labor market		
Keyboarding .50			Computer Tech50		.50	Computer Technology .50					demand, and training options,	
College & Career Awareness 1.00		1.00	CTE	CTE 1.00		Refer to Career and Technical Education box a				bove		visit <u>UtahFutures.org</u> .
elective requireme > Many CTE cours	ents may vary d ses may qualify	listrict to distric / for concurren	xt.	dit, which	in some			ndary p	rograms acce	ept hi		d a two- or four-year degree for details.