UTAH SYSTEM OF HIGHER EDUCATION

January 22, 2021

Strategic Workforce Investment Proposals

Strategic Workforce Investment is designated and funded by Utah statute. It is intended to incentivize and provide resources to secondary and postsecondary educational institutions for the development of educational pathway partnerships that serve regional industry needs. Pathway programs are created to increase available workforce in high-demand, high-wage occupations.

SWI proposals must reflect a program of study that is responsive to the workforce needs of the CTE region in a strategic industry cluster identified by the Governor's Office of Economic Development. Programs must lead to the attainment of a stackable sequence of credentials; include a non-duplicative progression of courses that include both academic and CTE content; provide for expected student enrollment, attainment rates, and job placement rates; and show evidence of input and support from an industry advisory group.

Eligible proposals must demonstrate a partnership between at least two educational institutions, which may include a school district or charter school, and a Utah System of Higher Education technical college or degree-granting institution.

An attached summary of SWI FY2021 proposals that include participation of USHE institutions were submitted to GOED. Evidence of support from the Utah Board of Higher Education is required for proposals to be considered by GOED and the legislature.

Recommendation
The Utah System of Higher Education recommends that the Board support the Strategic Workforce Initiative proposals represented in the attached summary.

Strategic Workforce Investment Proposals

Institution	Ref. Number	GOED Cluster	One-time	Ongoing	Educational Partners	Summary
Bridgerland Technical College	06-01	Reference				
	07-02	Reference				
Davis Technical College	01-01	Other (Diesel Technology)	$150,000	$50,000	Morgan School District	Institutions will partner to implement the Davis Technical College Diesel/Heavy Duty Technology program at Morgan High School. This pathway will prepare students for the growing diesel tech industry, and support critical infrastructure for the Advanced Manufacturing and Aerospace and Defense Industries. The transportation industry is in high demand and is a vital part of the continued economic growth and development in Utah. Many of Utah's targeted industries and projects rely on a secure and stable supply chain, and the trucking industry plays a key role.
Davis Technical College	06-01	Reference				
Dixie State University	02-01	Life Sciences	$116,500	$249,600		BioSTACKS Utah is comprised of two certificates, Medical Laboratory Assistant Technology and Biotechnology. Each certificate would qualify completers for entry level industry jobs or can stack within one of two associate degrees, Biotechnology or Laboratory Studies. Associate degree completion can make earners more competitive for potential jobs, qualify them for job advancement, or transition into several life and health science bachelor's degrees at Dixie State University such as Medical Laboratory Sciences, Biological Sciences, Biochemistry, or Bioinformatics. Completion of an associate degree will also more easily transfer to other schools for degree continuation at a later date.
Dixie Technical College	06-01	Reference				
Mountainland Technical College	03-01	Other (Electrical Apprenticeship)	$40,029	$1,500,000	Mountainland Technical College; Alpine, Nebo, Provo, South Summit, North Summit, Wasatch, Park City School Districts	Mountainland Technical College is reworking the current Electrical Apprenticeship Program. With the permission of the Utah Division of Occupational and Professional Licensing, students will be able to accelerate completion of the program, completing it in three years, rather than the usual four. This enables students to be licensed electricians within two years following high school, and saves them a full year of tuition and fees. Due to the low cost of attending Mountainland Technical College, it is anticipated that 99% of students will incur no debt for their education. In fact, many of the employers that hire these students as apprentices will pay the cost of their schooling.
	06-01	Reference				

	06-04	Reference				
	08-01	Reference				
	08-02	Reference				
Ogden-Weber Technical College	06-01	Reference				
	06-02	Reference				
Snow College	04-01	Software Development and Information Technology	$13,858	$216,023	Juab, Millard, Tintic, North Sanpete, South Sanpete, Wayne, Piute, and Sevier School Districts	Data science incorporates elements of statistics, business, and computer programming. While these are considered academic fields, Snow College plans to utilize CTE programs as well, especially in its partnership with K-12 schools. Snow College plans to 1) partner with CTE programs in area K-12 schools to increase the number of students enrolling in certificate and degree programs related to data science, and 2) vertically align curriculum between K-12 tech programs and various degree programs to provide data-science-related certification to students from all relevant disciplines.
Southern Utah University	05-01	Aerospace and Defense	$53,000	$320,000	Southwest Technical College; Beaver, Garfield, Iron, and Kane School Districts	The Southern Utah University Aerospace Sciences and Technology program will provide the aviation industry with fully-trained, qualified technicians and pilots. Partner schools are located in mostly rural settings with little-to-no access to education in this field, placing greater value on online offerings of these courses. This program is a one-of-a-kind, statewide initiative in Utah that will serve a more diverse student population.
	05-02	Financial Services	$14,051	$179,110		Funding of this proposal would allow Southern Utah University students from all majors to minor in sales and develop skills needed to thrive in a digitally savvy environment. A Biology major with a minor in sales is ideally suited to be a pharmaceutical representative; a Finance major with a sales minor is ideally trained for selling financial services; and an Information Technology major with a sales minor is ideally suited for sales positions at a number of technology firms.
Southwest Technical College	05-01	Reference				
	06-01	Reference				
Tooele Technical College	06-01	Reference				
Uintah Basin Technical College	06-01	Reference				
	06-03	Reference				

Utah State University	06-01	Advanced Manufacturing (Teacher Instruction)	$0	$198,380	Technical Colleges; School Districts	The CTE Teaching Academy will service the entire state with courses available to students who work as technical education faculty through using the existing USU network for online and broadcast courses, coupled with technical college coursework or industry training and experience. There is no existing training program that offers a complete pathway from industry to the classroom with a CTE/competency-based focus that will serve students at all academic levels.
	06-02	Advanced Manufacturing	$101,500	$255,900	Ogden and Weber School Districts	The Industrial Automation Youth Apprenticeship Pathway addresses workforce needs by transforming educational pathways and helping employers become producers of young talent. High school students can participate in the AM STEM program at their school, seamlessly transition to Ogden-Weber Technical College (OTECH), and then Utah State University (USU) or Weber State University (WSU).
	06-03	Software Development and Information Technology	$0	$204,818	Uintah Basin Technical College	By preparing local students for high-growth, high-wage occupations in Software Development and Information Technology, the proposed program fills the gap in crucial training not otherwise offered in the Uintah Basin. This program was developed with industry partners to instill competencies needed in technology jobs not covered in a traditional two- or four-year degree. The proposal also provides a mechanism for stabilizing the local economy.
	06-04	Software Development and Information Technology	$65,123	$325,000	Utah Valley University; Mountainland Technical College	The Utah Data Analytics Pathway proposal is a state-wide stackable credential pathway that will deliver academic and CTE data analytics courses at the secondary, technical college, and university levels in the following regions: Bear River, Mountainland, and Southeast.
Utah State University Eastern	07-01	Advanced Manufacturing	$291,000	$232,500	Carbon School District	The proposed Advanced Manufacturing certificate prepares students for expanding manufacturing workforce in Carbon County.
	07-02	Advanced Manufacturing	$123,500	$278,242	Bridgerland Technical College; Carbon, and Emery School Districts	This proposal seeks to provide the necessary workforce to meet the growing demand of the manufacturing sector. Advanced manufacturing needs to be framed through career exploration, career commitment, and career development. A systematic approach to workforce development for advanced manufacturing will be accomplished by a USU Logan and Bridgerland Technical College program articulation that creates an industry endorsed stackable credential. The possibility of working with rural manufacturers in southeast Utah is an exciting accent to a technical education connectivity seldom realized. In working with USU Eastern, technical education can be provided to meet Carbon and Emery County's emerging manufacturing needs.

	07-03	Healthcare (First Responder)	$0	$265,084	Utah State University Blanding and Moab; Grand County, Carbon, Emery, and San Juan School Districts; Utah Department of Health	The funding for this proposal will support sustaining the instructional capacity needs necessary to extend USU's First Responder training to Grand County at both the secondary (concurrent enrollment at Grand County High School) and postsecondary levels, and to implement three new community health certificate programs in Community Health Worker Certification, Peer / Family Support Specialist Certification, and Contact Tracing Certification. The programs supported by this proposal will benefit Carbon, Grand, Emery and San Juan Counties.
	07-04	Software Development and Information Technology	$117,000	$234,405	Carbon, and Emery School Districts; Pinacle Canyon Academy	This proposal provides skills and credentials students needed for secondary students to embark on a career in technology. It provides the support necessary to bridge the transition from high school to college. During their junior and senior years of high school, students will receive training needed to earn competitive starting wages.
Utah Valley University	08-01	Healthcare	$132,745	$393,000	Mountainland Technical College; Alpine, Nebo, Provo, South Summit, North Summit, Wasatch, Park City	Under this program model, students are able to complete requirements to earn an Associates of Applied Science (AAS) in Healthcare Services while in high school with concurrent enrollment classes, or while enrolled at Utah Valley University (UVU). They can also take the EMT Program at Mountainland Technical College during their senior year of high school. Students will attend the technical college for the Radiography Technology program and earn up to 30 credits towards an AAS in Healthcare Professions and be eligible to take the industry certification exam. Any health related CTE classes taken in the high schools, such as Medical Terminology, Medical Anatomy and Physiology, Human Development, and Advanced Health Science, will greatly benefit the students to be prepared for the more rigorous requirements of this program.
	08-02	Software Development and Information Technology	$520,000	$0	Mountainland Technical College; Alpine, Nebo, Provo, South Summit, North Summit, and Wasatch, Park City School Districts	This Certificate of Proficiency in Information Systems and Technology is available to all UVU students, with an opportunity to earn a stackable certificate of proficiency with an emphasis in career and technical education while still enrolled in high school. This certificate will be available from the University for college students/adults looking for basic entry-level skills leading to further academic advancement. Students complete a foundational core in programming, database, web application design, data communication, and networking.
	06-04	Reference				

Weber State University	09-01	Energy and Natural Resources	$0	$299,000	Davis, Morgan, Weber, and Ogden School Districts	This career pathway consists of stackable credentials beginning with high school. Specifically designed to streamline student progress toward a STEM-oriented career goal, this pathway offers multiple entry and exit points culminating in an associate degree or higher in automotive technology. The degrees directly support economic growth in the high-demand industry cluster of automotive technology, energy, and natural resources.
	09-02	Software Development and Information Technology	$92,000	$324,000	Davis, Morgan, Weber, and Ogden School Districts, and Northern Utah Math, Engineering, and Science (NUAMES) Academy	This proposal will be offered through the College of Engineering, Applied Science & Technology (EAST) and the Computer Science Program (ABET accredited), to provide a stackable flexible credential pathway for the high need area of Software Development and Information Technology. CS Flex will provide a way for working professionals to develop new skills and qualify for increased employment opportunities. The online courses developed through the CS Flex Program will be available online and allow flexible entry and movement. This flexibility will meet the varied demands of people currently in the workplace and allow them to continue their education as they work in industry.