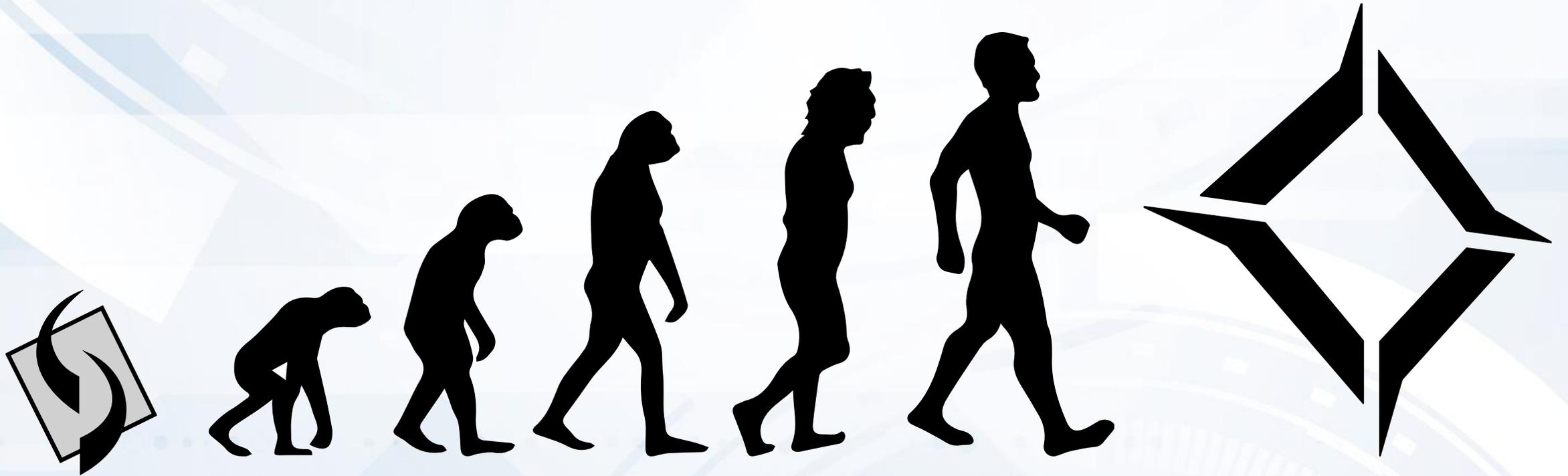




SOUTHWEST TECH



THE EVOLUTION OF SOUTHWEST TECH



2019 STUDENT OF THE YEAR



13-82

AGE RANGE

27

AVERAGE AGE

87%

IRON COUNTY

13%

GARFIELD, BEAVER,
& KANE

60%

WORK IN SERVICE
REGION

81%

WORK IN UTAH

INSTITUTIONAL CHANGES

1994

Southwest ATCSR – Applied Technology Center Service Region

2000

HB261 - Southwest Applied Technology Center was created.

2001

A special session of the legislature passed HB1003 creating the Utah College of Applied Technology (UCAT).

2009

The legislature passed HB15, changing the governance from the Utah State Board of Regents to the Utah College of Applied Technology Board of Trustees.

2017

The legislature passed SB238, renaming Southwest Applied Technology College to Southwest Technical College. Designates each of the Technical Colleges as bodies politic and corporate 53B-2-101(1)

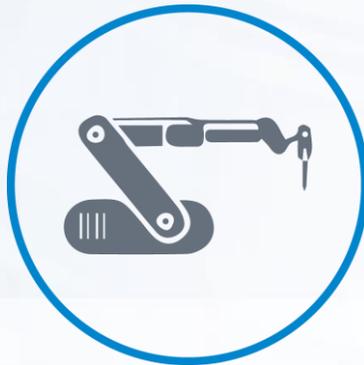
2018

Southwest Technical College reviews all curriculum and better aligns with its educational partners. Many programs are restructured, renewed or discontinued. LPN Partnership with USU and SUU, Dual Enrollment with SUU, CDL partnership with Snow College. High School articulation agreements with the regions four school districts.

SOUTHWEST TECH OFFERINGS



HEALTH PROFESSIONS



INDUSTRIAL



BUSINESS



TRUCK DRIVING



DIGITAL MEDIA



COMPUTER SCIENCE



WELDING



AUTOMOTIVE



CULINARY ARTS

TOP 8 AREAS OF STUDY

#1



NURSING ASSISTANT

#2



PROFESSIONAL
TRUCK DRIVING

#3



MEDICAL CLINICAL
ASSISTANT

#4



EMERGENCY MEDICAL
TECHNICIAN

#5



PORK PRODUCTION

#6



AUTOMOTIVE
TECHNICIAN

#7



CULINARY ARTS

#8



STRUCTURAL STEEL
AND PIPE WELDER

COURSE ALIGNMENT WITH ICSD

IRON
COUNTY SCHOOL
DISTRICT



SOUTHWEST TECH

COMMUNICATION / PLACEMENT OF COURSES

Sports Medicine
Law Enforcement
Intro to Construction



(Expected head count and membership hour reduction)

COURSE BY COURSE ARTICULATION AGREEMENT

Eliminate or reduce duplication / recommend Intro courses be taken at local high schools.

FUTURE FOCUS

Computer Science / Expansion of meaningful pathways to 4 and 5 star jobs

DUAL ENROLLMENT UPDATE



SOUTHWEST TECH

DUAL ENROLLMENT UPDATE

COMPUTER SCIENCE

SOUTHWEST TECH / SUU ARTICULATION

Course-by-Course Equivalency List



 SOUTHWEST TECH		 SUU SOUTHERN UTAH UNIVERSITY	
STECH #	STECH CS COURSE NAME	SUU #	SUU CSIS COURSE NAME
CSCI 1105	Introduction to Programming	CSIS 1400 (3 credits)	Fundamentals of Programming
CSCI 1110	Object Oriented Programming	CSIS 1410 (3 credits)	Object Oriented Programming
CSCI 1115	Algorithms & Data Structures	CSIS 2420 (3 credits)	Introduction to Algorithms and Data Structures
ITEC 2915	HTML and CSS *	CSIS 2000 (3 credits)	Web Development
ITEC 2838	JavaScript *		
ITEC 1310	A+ Courses	EET 2750 (3 credits)	PC Hardware
ITEC 1500	Networking Technology	CSIS 2600 (3 credits)	Data Communications & Networking
ITEC 2700	Linux Fundamentals	CSIS 2620 (3 credits)	Network Administration I
ITEC 2211	Security Professional	CSIS 2670 (3 credits)	Information Security & Assurance
ITEC 2532	Installing and Configuring Windows Server 2012 *	CSIS 3620 (3 credits)	Network Administration II
ITEC 2530	Administering Windows Server *		
ITEC 2533	Configuring Advanced Windows Server 2012 Services *		

* Classes with an asterisk must be taken with accompanying classes in order to transfer to SUU.

ENGINEERING TECHNOLOGY

SOUTHWEST TECH / SUU ARTICULATION

Course-by-Course Equivalency List



 SOUTHWEST TECH		 SUU SOUTHERN UTAH UNIVERSITY	
STECH #	STECH COURSE NAME	SUU #	SUU COURSE NAME
WELD 1015	Welding Safety *	TECH 1210 (3 credits)	Introduction to Welding, Safety, and Testing
WELD 1705	Welding Inspection & Testing *		
WELD 1145	Welding Metallurgy Basics *		
WELD 1215	Oxy-fuel Gas Welding	TECH 1215 (1 credit)	Oxy-fuel Gas Welding Lab
WELD 1305	SMAW Welding	TECH 1235 (1 credit)	SMAW Welding Lab
WELD 1405	GMAW Welding I	TECH 1255 (1 credit)	GMAW Welding I Lab
WELD 1510	FCAW II (Self Shield)	TECH 1275 (1 credit)	FCAW II (Self Shield) Lab
WELD 1610	GTAW Welding II (Aluminum)	TECH 1295 (1 credit)	GTAW Welding II (Aluminum) Lab
WELD 2540	GMAW Aluminum	TECH 1305 (1 credit)	GMAW Aluminum Lab

* Classes with an asterisk must be taken with accompanying classes in order to transfer to SUU.

SPACE UTILIZATION / RESOURCE REALLOCATION



SUU – HOTEL & HOSPITALITY
MANAGEMENT



UtahStateUniversity

USU - 2nd YEAR NURSING



SNOW - TRUCK DRIVING



SOUTHWEST TECH

510 WEST BUILDING REMODEL

DEPARTMENT & PROGRAM REALIGNMENT

- Health Professions
- Transportation
- Manufacturing

FY18 APPROPRIATION REPORT

APPROPRIATED FUNDS

- New Program, Nursing \$89,325.00
- Distance Education \$82,900.00
- Computer Science Expansion
\$15,500.00

OUTCOMES

- Practical Nursing Faculty (FT)
- SUU, USU Partnership Development
- 1st Cohort of Students, Fall 2018
- ACEN Visit / Accreditation Steps
- New High School Course by Course Articulation Agreements/Pathways
- High School Computer Science AM PM Expansion (Teaching Assistant)
- 4 New High School On-line Offerings
 - 1) Industrial Safety & Essential Skills 60 Hours
 - 2) Welding Safety & Essential Skills 120 Hours
 - 3) Auto Safety & Essential Skills 110 Hours
 - 4) Computer Science Intro & Web Dev. 120 Hours

FY19 APPROPRIATION REPORT

APPROPRIATED FUNDS

- Student Support \$79,690.00
- Market Demand \$201,600.00
- SUU Collaboration/Dual Enrollment
\$200,000.00

OUTCOMES

- Student Services Placement Specialist (FT)
- Financial Aid Reclassification
- Registrar Reclassification
- Practical Nursing Faculty (FT)
- Rural High School Instructor (PT)
- Health Professions E-lab Faculty (PT)
- Student Aid/Front Desk Reclassification
- SUU Liaison, Director of Programs (FT)
- Recruiter (FT)
- Admin Reclassification

FY20 BUDGET REQUEST

PROGRAM	REQUEST
Year Round Offerings	\$188,610.00
IT Specialist/Data Security	\$89,598.00
Nursing Assistant Expansion	\$76,792.00
Total	\$355,000.00

“Students want faster options & colleges are responding.”

Iron County Job Growth is at 5.3%.

Accelerates Student Completion by 2-3 months.

Provides industry with skilled workers, allowing employers to expand and grow their business.

3.2% projected increase by DWS.

Over 100 expected annual job openings.

Pipeline to LPN, RN, BSN

Funding would allow a 25% increase in student headcount and membership hours.

IT SPECIALIST / DATA SECURITY

STATE OF UTAH DEPARTMENT OF TECHNOLOGY SERVICES

- Organized Crime
- Former Employees
- Malware Trends: 54% Increase
- Foreign Attacks
- Ransomware: 46% Increase
- Botnets / Data Mining
- Phishing
- Keylogging

RISK REDUCTION ACTIVITIES

- Layered Defense (Router Defense, Firewall, IPS, PDS, Endpoint)
- Limit Internet Access / Filters
- Limit Administrative Rights
- Two Factor Authentication
- Anti-Virus / Next Gen
- Utah Initiatives: Inventory Compliance & Improvement, Vulnerability Management & Access Control

COMMERCIAL HACKING



CREDIT CARD SALES



VULNERABILITY SERVICES



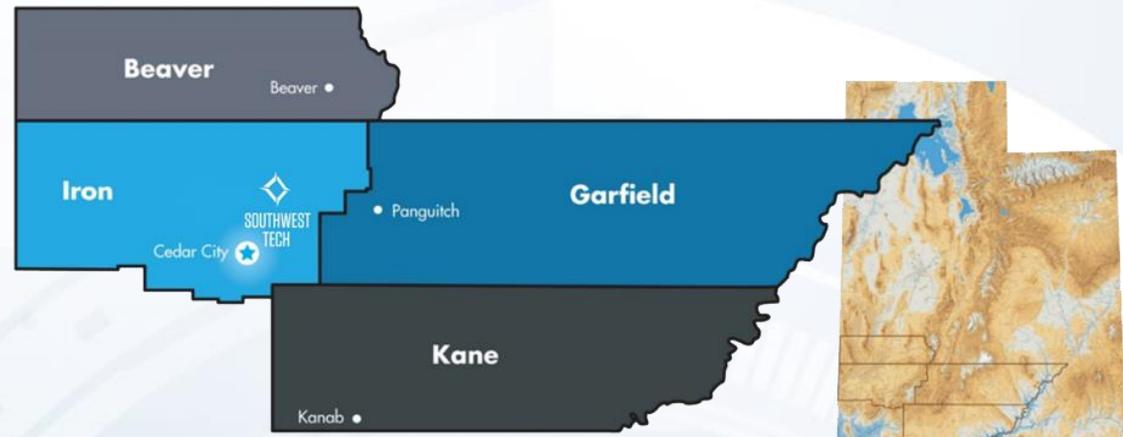
CURRENT DRIVERS / CHALLENGES

DRIVERS

- Occupational Advisory Council(s)
- Business & Industry
- USHE & School District Partnerships
- Rural Initiative
- County Commissioners & City Officials
- Mission & Scope

CHALLENGES

- Large Geographic Region
- Rural High Schools, Small Class Sizes
- Aligning Pipeline, Capacity & Placement
- Smaller Class Size = CPL Benchmarks



SOUTHWEST TECH IN THE NEWS



2018 EMPLOYER OF THE YEAR



2018 INNOVATIVE BUSINESS OF THE YEAR



SOUTHWEST TECH

