DR. ERIC PEDERSEN

Dean of the College of Science, Engineering & Technology



DIXIE STATE UNIVERSITY.

11,200+ students enrolled

4 master's degrees

45 bachelor's degrees

11 associates degrees

21 certificates and endorsements



The goal of the dual-mission model of the

COLLEGE OF SCIENCE, ENGINEERING & TECHNOLOGY

at Dixie State University:



MEET WORKFORCE NEEDS

THE PROBLEM

Local industry lacks the skilled tech talent they need to fill positions, grow, and solve 21st century problems

12,500-25,000

Number of open tech jobs within 300 miles of St. George/DSU with an average salary of \$80,000

SOURCE: INDEED.COM

EVERY 12.5 JOBS AT \$80K= \$1 MILLION INCOME

EVERY 12.5K JOBS AT \$80K= \$1 BILLION INCOME

EVERY 25K JOBS AT \$80K=
\$2 BILLION INCOME



Number of computer science trained teachers in K-12 schools in Utah in 2016

40%

Percentage of K–12 schools that teach computer programming

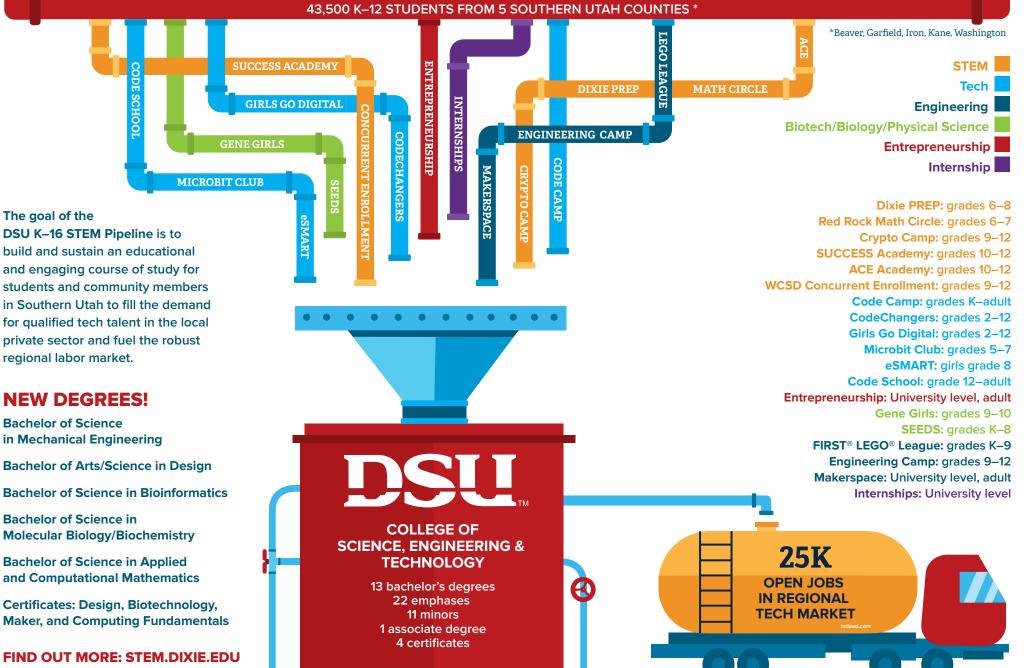
10%

Percentage of Utah's computer science graduates **that were women** in 2015.

HOW WE'RE SOLVING THE PROBLEMS

- START EARLY: AGES 8-18
- GIVE GIRLS OPPORTUNTIES
- PROVIDE TRAINING FOR ADULTS
- CONCURRENT ENROLLMENT
- CODE SCHOOL, DESIGN SCHOOL
- INTERNSHIPS

DIXIE STATE UNIVERSITY. K-16 PIPELINE



CONTACT: heizer@dixie.edu

















10,000+ youth enrolled in DSU STEM pipeline in 2018

DIXIE STATE UNIVERSITY...

WASHINGTON COUNTY SCHOOL DISTRICT

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0111010 PROGRAMMING CLUBS DIXIE PREP	101001
1010010 RED ROCK MATH CIRCLE	111011
0 0 0 1 0 1 1 GIRLS GO DIGITAL	101010
0011101 CODECHANGERS	101001
0101101	100110
11101010010010101010101010110	1010010
0100100 <mark>1011101001(1101100110</mark>	101010
	101010
1001101 HIGH SCHOOL	010010
¹⁰¹¹⁰¹¹ DESIGN SCHOOL/CODE SCHOOL	101011
1010010 CONCURRENT ENROLLMENT	001010
0010111 SUCCESS ACADEMY	001011
1010100 ACE ACADEMY *	001011
1010100 CTE HIGH SCHOOL*	011001
	.001010
0010111 DSU	010111
0101001 1010011 DIXIE TECH	.010100
1011001 CERTIFICATE PROGRAM	010001
ASSOCIATE DEGREE	100101
BACHELOR'S DEGREE	111010
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DIXIE STATE UNIVERSITY...

WASHINGTON COUNTY SCHOOL DISTRICT



