DR. ERIC PEDERSEN
Dean of the College of Science, Engineering & Technology

DIXIE STATE UNIVERSITY
ST. GEORGE, UTAH
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**
Local industry lacks the skilled tech talent they need to fill positions, grow, and solve 21st century problems.
PROBLEM

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
PROBLEM

40%

Percentage of K-12 schools that teach computer programming
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 OPPORTUNITIES
• PROVIDE TRAINING FOR ADULTS
• CONCURRENT ENROLLMENT
• CODE SCHOOL, DESIGN SCHOOL
• INTERNSHIPS
The goal of the DSU K–16 STEM Pipeline is to build and sustain an educational and engaging course of study for students and community members in Southern Utah to fill the demand for qualified tech talent in the local private sector and fuel the robust regional labor market.

**NEW DEGREES!**
- Bachelor of Science in Mechanical Engineering
- Bachelor of Arts/Science in Design
- Bachelor of Science in Bioinformatics
- Bachelor of Science in Molecular Biology/Biochemistry
- Bachelor of Science in Applied and Computational Mathematics

Certificates: Design, Biotechnology, Maker, and Computing Fundamentals

FIND OUT MORE: STEM.DIXIE.EDU
CONTACT: heizer@dixie.edu
10,000+ youth enrolled in DSU STEM pipeline in 2018
DIXIE STATE UNIVERSITY™
AND
WASHINGTON COUNTY SCHOOL DISTRICT

TECH PIPELINE

K-8
ESMART
CODE CAMP
PROGRAMMING CLUBS
DIXIE PREP
RED ROCK MATH CIRCLE
GIRLS GO DIGITAL
CODECHANGERS

HIGH SCHOOL
DESIGN SCHOOL/CODE SCHOOL
CONCURRENT ENROLLMENT
SUCCESS ACADEMY
ACE ACADEMY *
CTE HIGH SCHOOL *

DSU
DIXIE TECH
CERTIFICATE PROGRAM
ASSOCIATE DEGREE
BACHELOR’S DEGREE
DIXIE STATE UNIVERSITY™

AND

WASHINGTON COUNTY SCHOOL DISTRICT