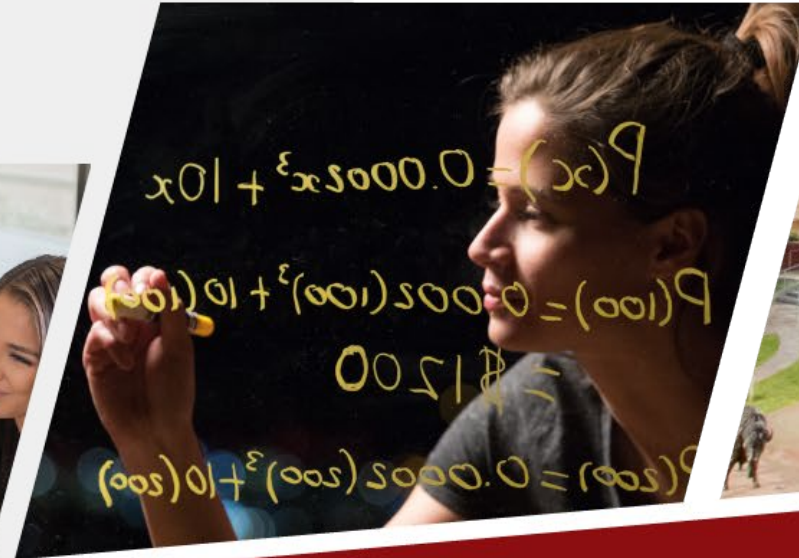




Higher Education Appropriations Subcommittee

By Richard B. Williams

WHAT'S HAPPENING AT DIXIE STATE UNIVERSITY?



Dixie 2020

STATUS TO STATURE

..... 2015-2020



Strategic Plan Goals

A photograph of two women in a modern office setting, smiling and writing mathematical equations on a glass wall. The woman on the right is writing $\epsilon - x = s m \epsilon - m \epsilon$ and $x f - x s$. The woman on the left is writing $\frac{s}{s} \frac{s-x}{s}$ and $\frac{s}{s} \frac{f-x}{s}$. The background is a blurred office interior with large windows.

1
Promote
Student
Success

2
Broaden &
Enhance
Academic
Programs

3
Invest in
Faculty &
Staff

4
Enhance
Support of
Inclusion
& Equity

5
Engage the
Southern
Utah
Region

6
Establish a
Strong
Brand &
Identity

U.S. News & World Report 2020 College Rankings

DSU ranked #6

among best public regional
colleges in the West

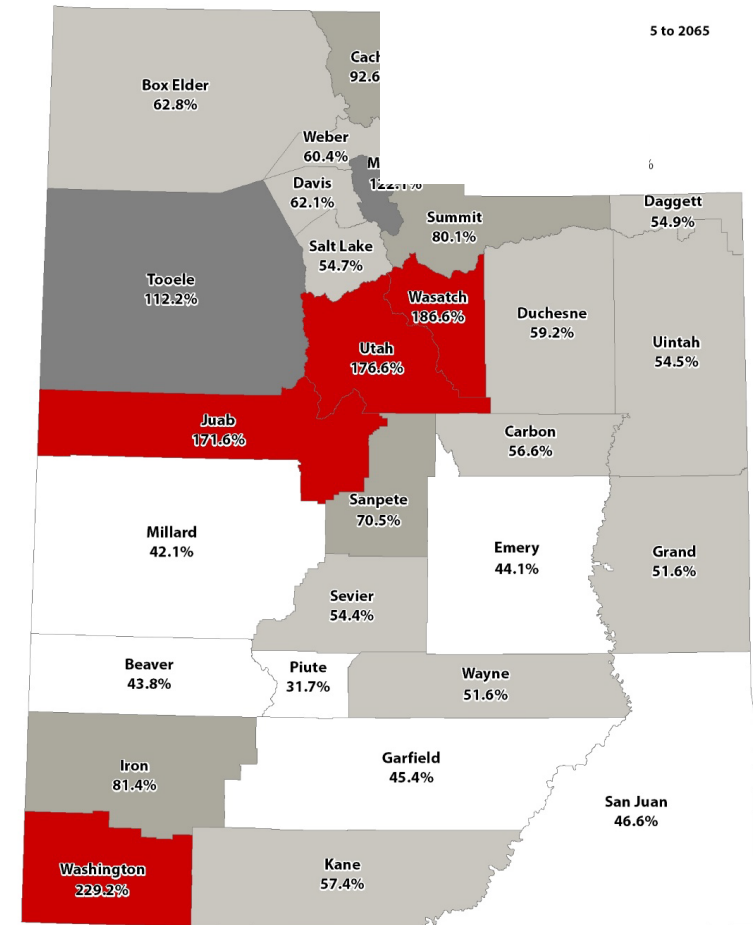
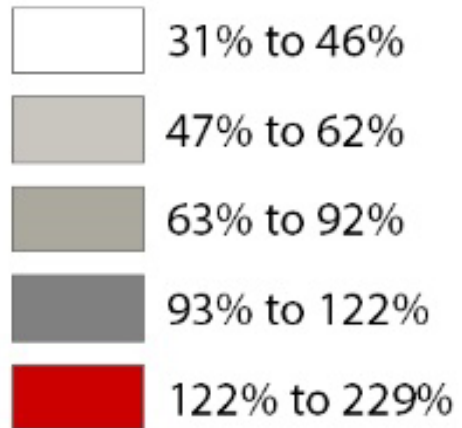
DSU ranked #25

for overall top regional
colleges in the West



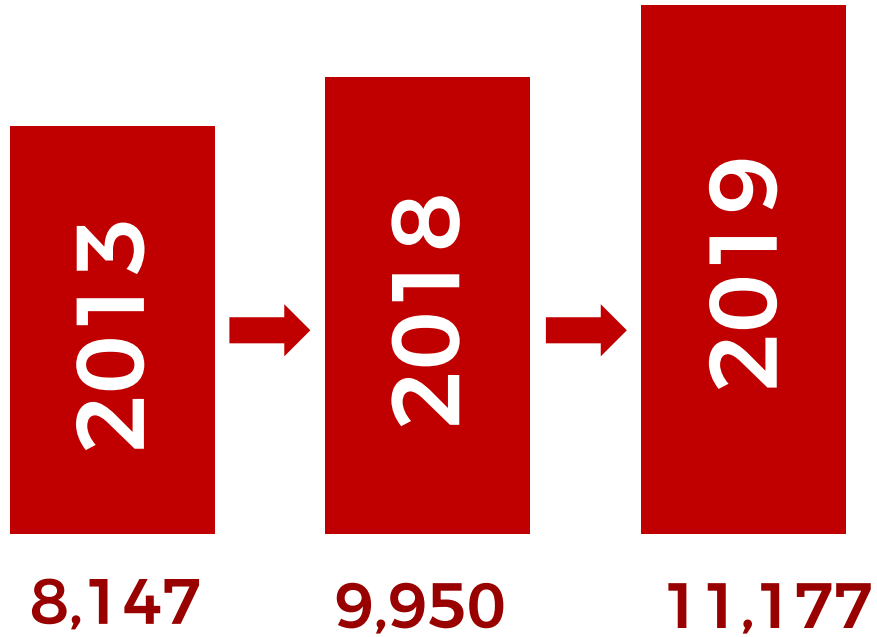
POPULATION GROWTH IN WASHINGTON COUNTY

Percent Change 2015 to 2065



Source: Kem C. Gardner Policy Institute 2015-2065 State and County Projections

RECORD ENROLLMENT GROWTH



- 12.5% Fall 2018-2019
- 19% Spring 2019-2020



EFFICIENCIES

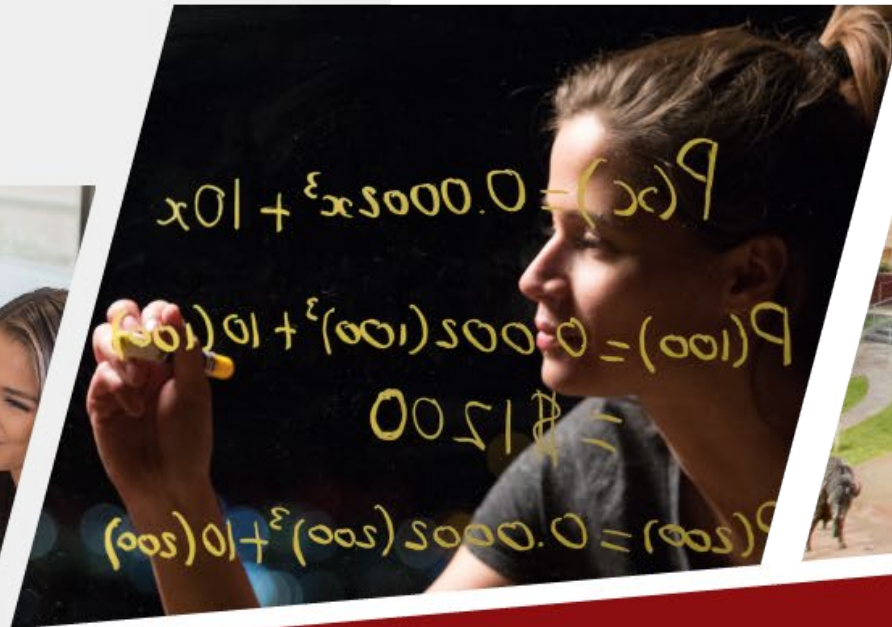
- General Education Restructure
- Vacancies Restructure
- Institutional Effectiveness



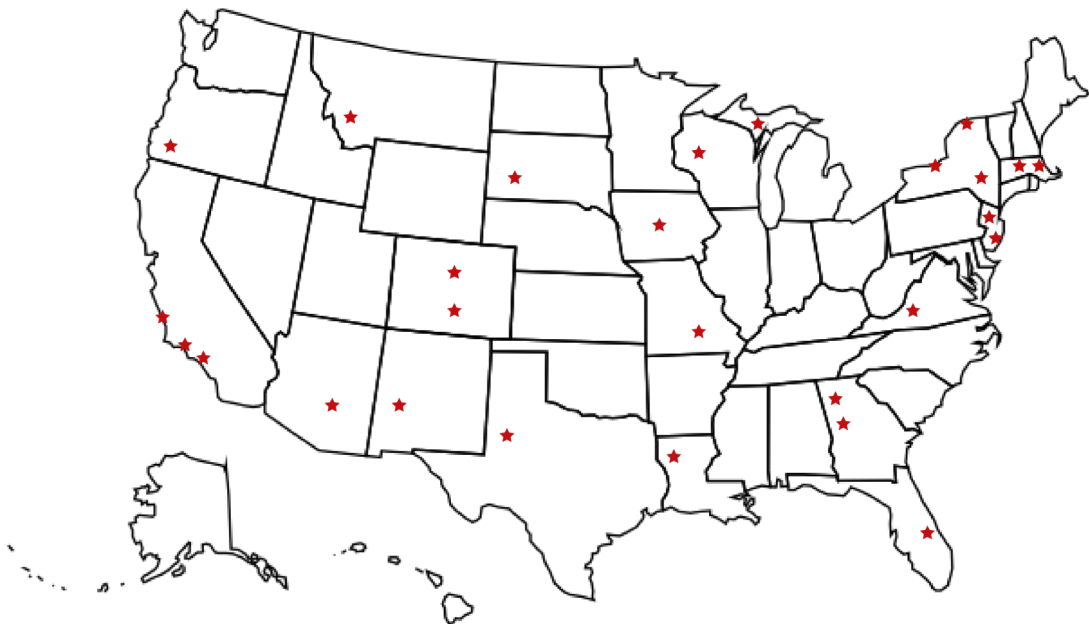
WHAT MAKES DSU UNIQUE?

A premier open and inclusive polytechnic university

- A focus on career education and applied learning with expanded programs in:
 - Innovation and Entrepreneurship
 - Health Sciences
 - Information Technology



4,700+ Degree-granting Institutions in the USA 32 are Institutes of Technology & Polytechnics



School	Location	Type	Enrollment	Founded
Air Force Institute of Technology	Wright-Patterson AFB, Ohio	Public	719	1919
California Institute of Technology	Pasadena, California	Private	2,231	1891
California Polytechnic State University	San Luis Obispo, California	Public	15,762	1901
California State Polytechnic University, Pomona	Pomona, California	Public	22,273	1938
Clarkson University	Potsdam, New York	Private	3,187	1896
Colorado School of Mines	Golden, Colorado	Public	4,256	1874
Colorado Technical University	Colorado Springs, Colorado	Private	30,020	1965
Florida Institute of Technology	Florida Institute of Technology	Private	8,985	1958
Georgia Institute of Technology	Melbourne, Florida	Public	20,487	1885
Illinois Institute of Technology	Chicago, Illinois	Private	7,757	1890
Iowa State University of Science & Technology	Ames, Iowa	Public	9,554	1858
Indiana Institute of Technology	Fort Wayne, Indiana	Private	9,652	1930
Lawrence Technological University	Southfield, Michigan	Private	4,000	1932
Louisiana Tech University	Ruston, Louisiana	Public	11,271	1894
Massachusetts Institute of Technology	Cambridge, Massachusetts	Private	10,894	1861
Michigan Technological University	Houghton, Michigan	Public	7,521	1885
Montana Tech of the University of Montana	Butte, Montana	Public	2,864	1889
New Jersey Institute of Technology	Newark, New Jersey	Public	9,558	1881
New Mexico Institute of Mining and Technology	Socorro, New Mexico	Public	1,921	1889
Oregon Institute of Technology	Klamath Falls, Oregon	Public	3,927	1947
Polytechnic Institute of New York University	Brooklyn, New York	Private	4,014	1854
Rensselaer Polytechnic Institute	Troy, New York	Private	7,021	1824
Rochester Institute of Technology	Rochester, New York	Private	10,000	1829
Rose-Hulman Institute of Technology	Terre Haute, Indiana	Private	1,970	1874
South Dakota School of Mines & Technology	Rapid City, South Dakota	Public	2,354	1885
Southern Polytechnic State University	Marietta, Georgia	Public	6,202	1948
Stevens Institute of Technology	Hoboken, New Jersey	Public	11,260	1870
Texas Tech University	Lubbock, Texas	Public	32,327	1923
University of Wisconsin-Stout	Menomonie, Wisconsin	Public	9,353	1891
Virginia Polytechnic Institute and State University	Blacksburg, Virginia	Public	30,339	1872
Worcester Polytechnic Institute	Worcester, Massachusetts	Private	5,071	1865

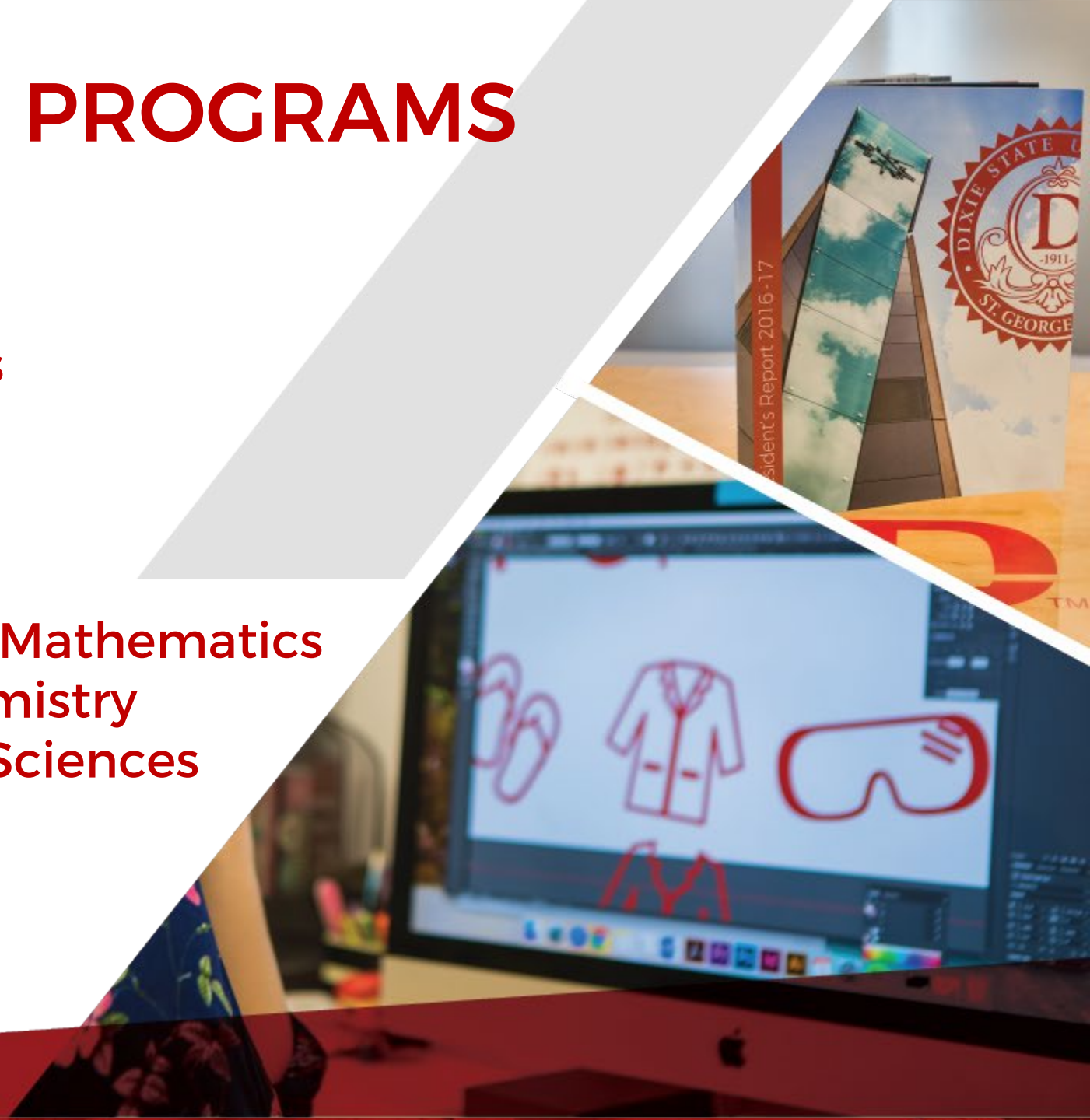
IDENTIFYING REGIONAL WORKFORCE NEEDS

- Health Sciences
- Technology
- CTE & Vocational
- Engineering
- Innovation & Entrepreneurship



DEVELOPING NEW PROGRAMS

- Certificates
 - Biotechnology
 - Computing Fundamentals
 - Design
 - Modeling and Simulation
- Baccalaureate programs
 - Applied & Computational Mathematics
 - Molecular Biology-Biochemistry
 - Applied Science – Health Sciences
 - Marketing
 - Design
 - Electrical Engineering
 - Computer Engineering



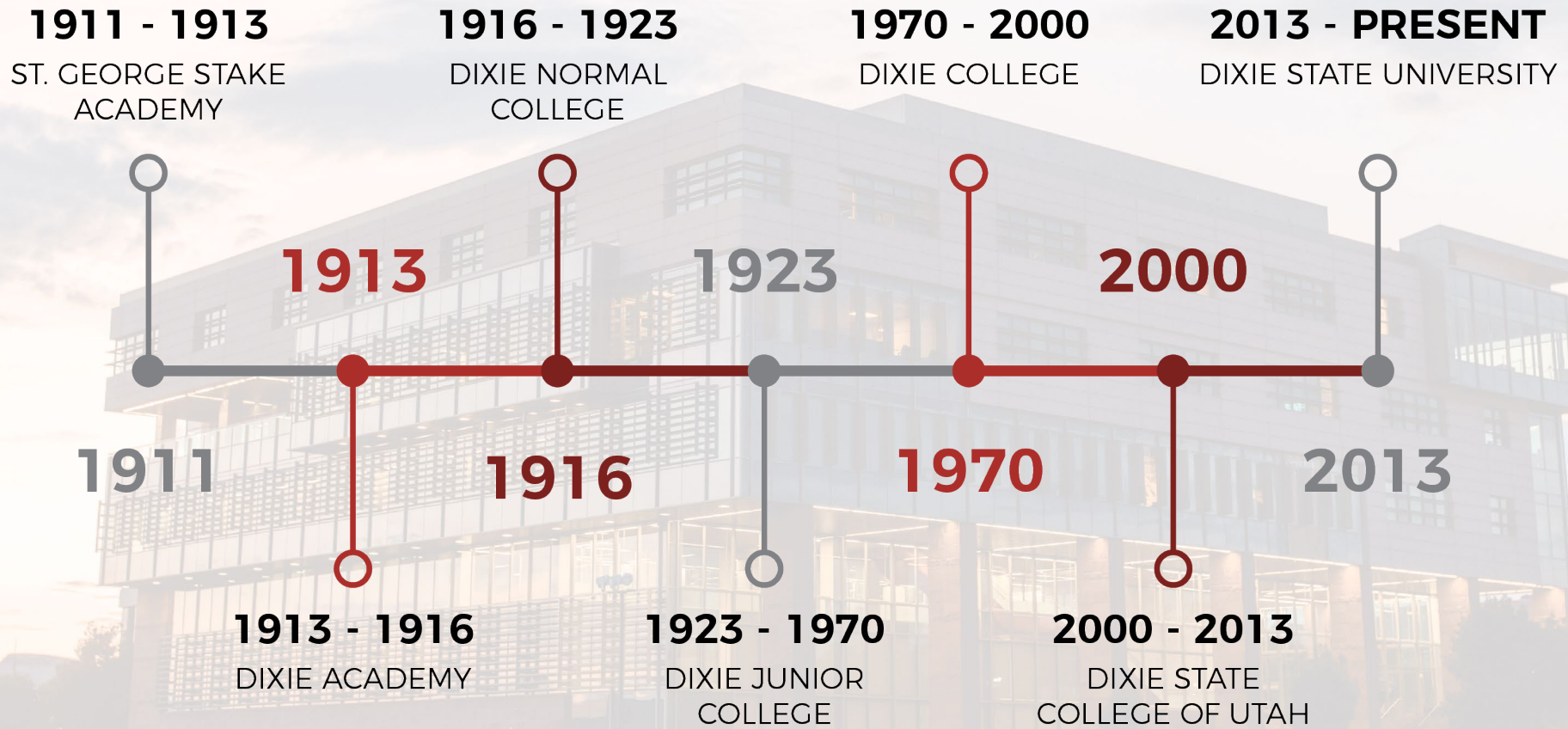
DEVELOPING NEW PROGRAMS

- Select Masters Programs
 - Technical Writing & Digital Rhetoric
 - Athletic Training
 - Marriage & Family Therapy
 - Accounting



DSU'S DUAL MISSION ROLE

A COMMUNITY COLLEGE FOUNDATION





STUDENT SNAPSHOT

- 21% minority
- 43% first-generation
- 82% offered financial aid

BUILDING INDUSTRY-ALIGNED PROGRAMMING

INDUSTRY
CERTIFICATE

60
CREDITS

ASSOCIATE DEGREE

ADVANCED
INDUSTRY
CERTIFICATE

120
CREDITS

BACHELOR DEGREE



STACKED CREDENTIAL PROGRAMS

ENGINEERING STACK

- Maker Certificate
- AS in Pre-Engineering
- BS in Mechanical Engineering
(Computer Engineering currently targeted to open Fall 2020)

GENERAL EDUCATION STACK

- GE Certificate
- AAS in General Technology: Business (includes articulation agreements with Dixie Tech)
- BS in Business

BUSINESS STACK

- Retail Management Certificate
- BS Marketing

COMPUTING & DESIGN STACKS

- CTE Certificate in Computing Fundamentals
- BS in Computer Information Technology

- CTE Certificate in Design
- BA/BS in Design

- CTE Certificate in Biotechnology
- BS in Bioinformatics

*HEALTH SCIENCES STACKS

- Certificate in EMT, or Certificate in Advanced EMT or CNA Certificate
- AAS in Nursing (includes articulation agreements with Dixie Tech)
- BS in Nursing (RN to BSN bridge program)

- Certificate in Pharmacology
- Acceptance into Pharmacology school (does not require a degree for admittance)

HUMANITIES STACKS

- Certificate in Professional Writing
- BA/BS in English
- MA in Technical Writing & Digital Rhetoric

- Certificate in Social Research Methods
- BS in Applied Sociology



DIXIE TECH COLLABORATION

Existing Programs

Computer Technology Certificates

Medical Assisting

Culinary Arts

OPX

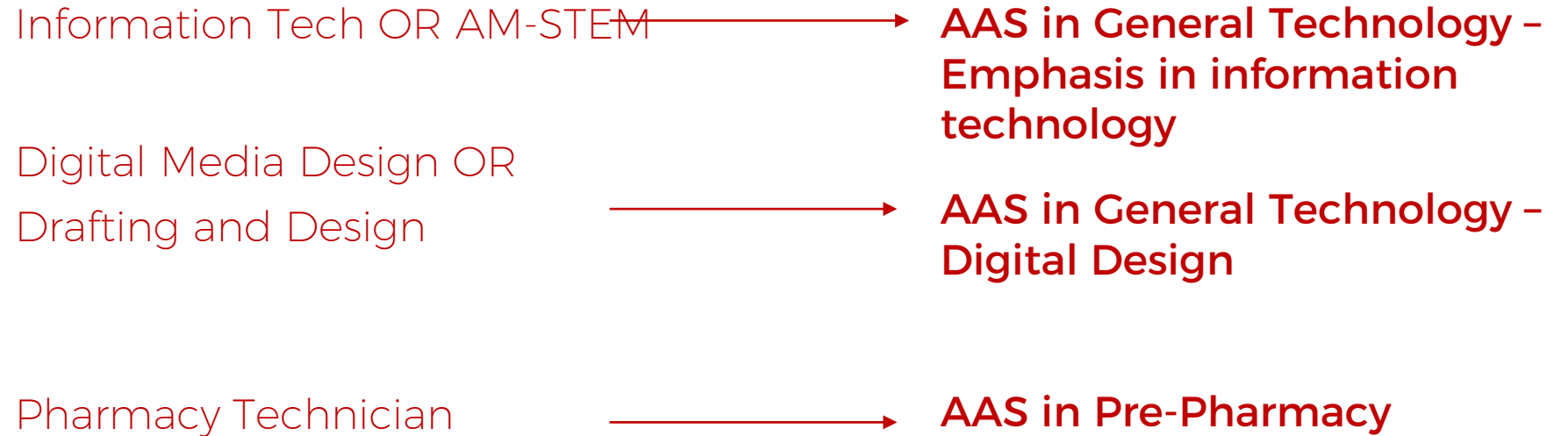
Transportation Technology Certificates

**AAS in General
Technology**



DIXIE TECH COLLABORATION

Planned AAS Pathways





RETENTION FOCUS

- Peer Coach Program
- Trailblazer Connections
- Atwood Retention Grants

PEER COACHING

- Peer coaches served all FYE courses
- 498 Flags / 174 referrals for early alert
- Added 24 sections of supplemental instruction



TRAILBLAZER CONNECTIONS

Student Perception Study

- **991** students enrolled (89%)
- **96%** learned the value of education
- **84%** developed a sense of belonging to the University
- **82%** made a positive contribution to their education
- **85%** peer mentor helped them connect to campus

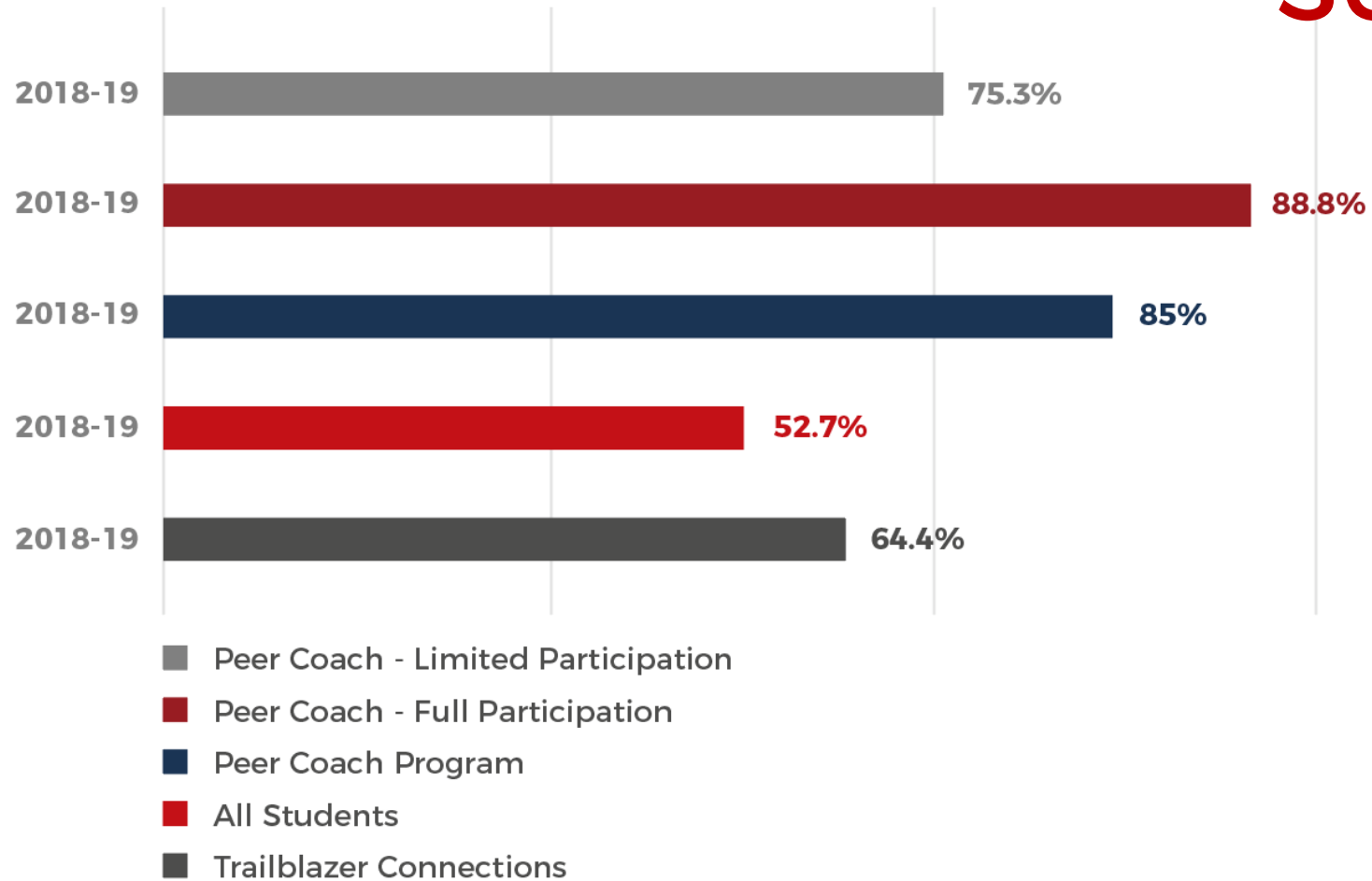


ATWOOD RETENTION GRANTS

- Concurrent Enrollment Campus Engagement Experience
- Supplemental Instruction
- Open Educational Resources Pilot
- Making Connections: FYE Student Success



RETENTION PROGRAM SUCCESSES



CHALLENGES/NEEDS

ACCOMMODATING GROWTH

- Full-time Faculty Shortages
- Performance Funding Formula
- Gaps in Student Services
- Infrastructure Needs




FULL-TIME FACULTY SHORTAGES

- 80% of lower division courses taught by adjunct faculty
- Need additional funding for bottle neck course instruction

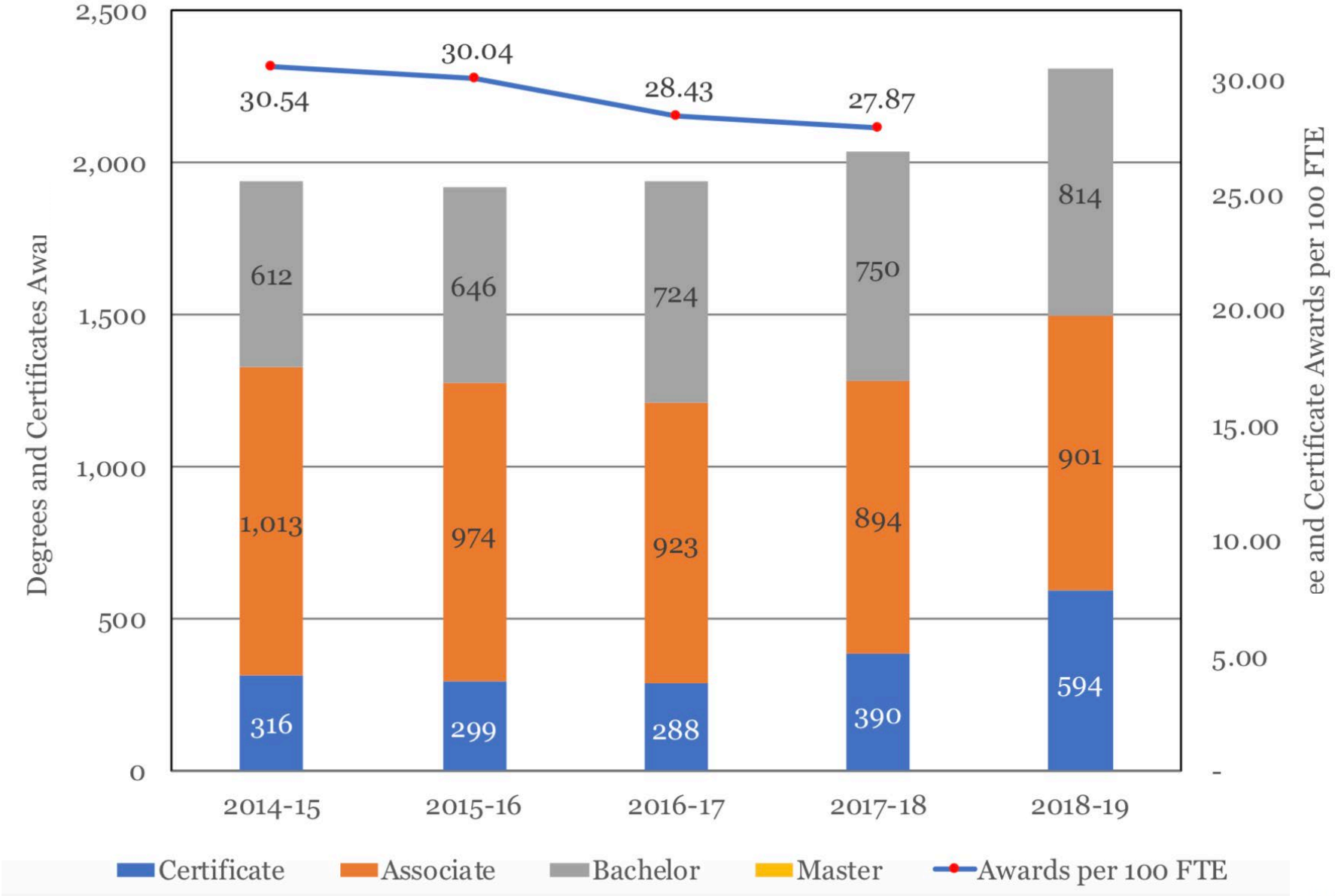


PERFORMANCE FUNDING FORMULA

Need a Human Element

- Current model doesn't account for institutional missions, growth, or regional factors
 - Amended model could be tailored to target institutional goals
 - Empower new governance to correct formula shortcomings
- 

Degrees and Certificates Awarded and Awards per 100 FTE



A photograph of two women sitting at a table, looking at a colorful brochure. The woman on the left has blonde hair and is wearing a white shirt. The woman on the right has red hair and is wearing a patterned top. They are both smiling and appear to be engaged in a conversation. The background shows a whiteboard with some writing and a purple plant.

GAPS IN STUDENT SERVICES

Critical student services are understaffed

- 3 mental health counselors
- 450:1 student to advisor ratio
- Pilot retention programs

INFRASTRUCTURE NEEDS

- General Classroom Building
- Science, Engineering, and Technology, Phase II
- Art Building
- Student Center



GROWTH FUNDING

- **Student Retention**
 - Trailblazer Connections expansion
 - Peer coaching expansion
 - Atwood retention expansion
- **Student Mental Health**
 - New full-time mental health counselors
- **Student Administrative Support**
 - Academic advisement
 - Financial aid
 - Admissions



UNIVERSITY OF UTAH HEALTHCARE PARTNERSHIP

- Funded by state appropriation in FY 2017
- Masters in Physician's Assistant Studies
- Doctorate in Physical Therapy
- Doctorate in Occupational Therapy



PLANNING FOR GROWTH

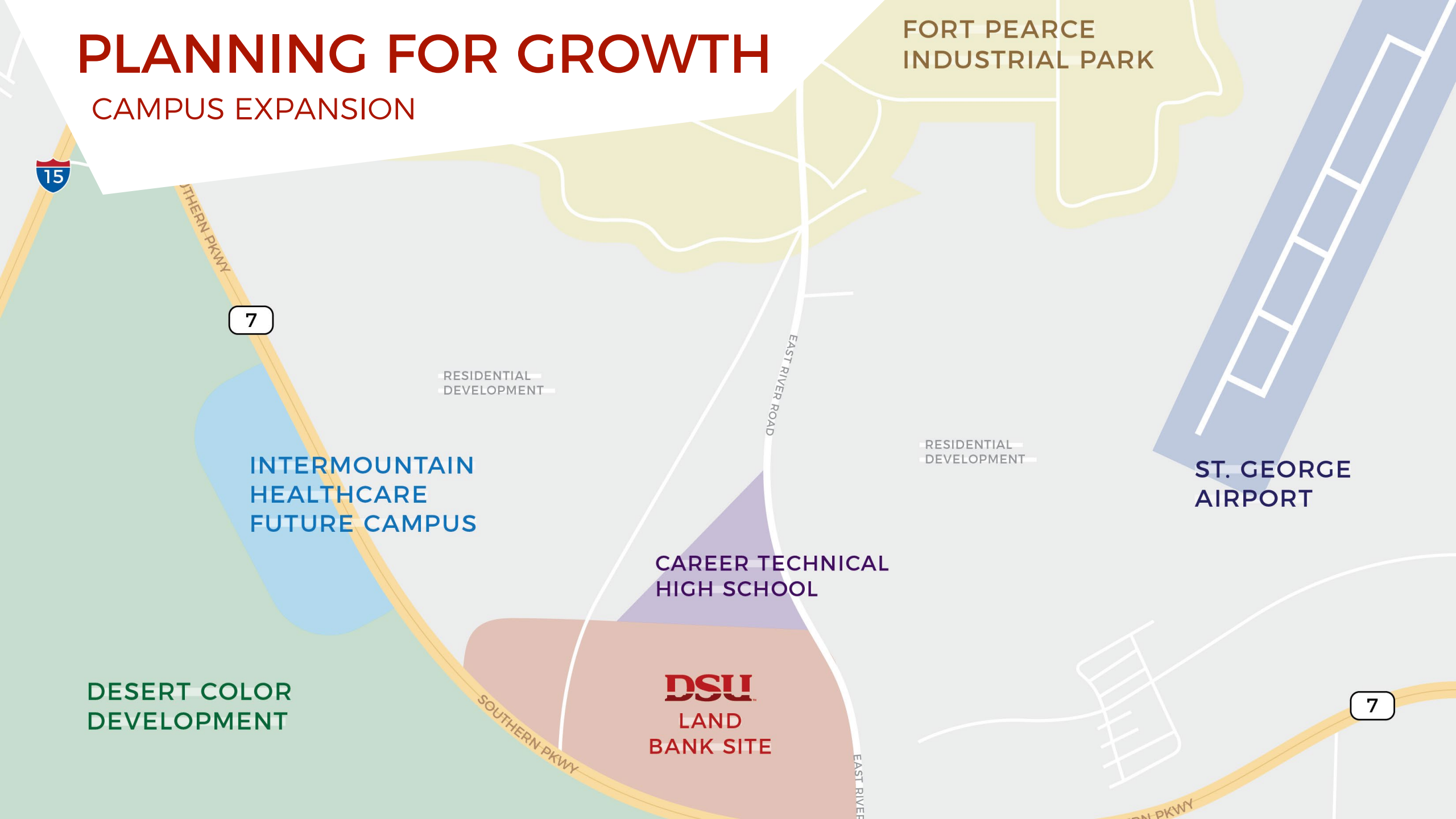
- EXISTING BUILDINGS
- PARKING
- NEW CONSTRUCTION
- SITLA LANDBANK PURCHASE

100+ Acres of Property
located at the corner
of River Road and
the Southern Parkway



PLANNING FOR GROWTH

CAMPUS EXPANSION



THANK YOU
GO TRAILBLAZERS!

