

**ECONOMIC
OUTLOOK
2020**

21ST ANNUAL TRI-CITIES REGIONAL ECONOMIC OUTLOOK

THURSDAY, FEBRUARY 20, 2020 | 7:30AM-1:30PM
THREE RIVERS CONVENTION CENTER, KENNEWICK

WELCOME TO TRACK 1

EDUCATION AND WORKFORCE DEVELOPMENT

ROOM AB



ECONOMIC OUTLOOK 2020

COLUMBIA BASIN COLLEGE

Rebekah Woods

President



TRIDEC's 21st Annual Economic Outlook



WHY CBC?



11,446
STUDENTS

16.5
AVERAGE
CLASS SIZE

\$205.53
AVERAGE COST/CREDIT


43%
HISPANIC
ENROLLMENT


42%
FIRST GENERATION
STUDENTS

FOUNDED IN
1955

126
RESIDENCE
HALL CAPACITY



 **46%**
MALE

 **54%**
FEMALE

100+ DEGREE &
CERTIFICATE
PROGRAMS

10
BACHELOR
PROGRAMS

53
CERTIFICATE
CHOICES



9

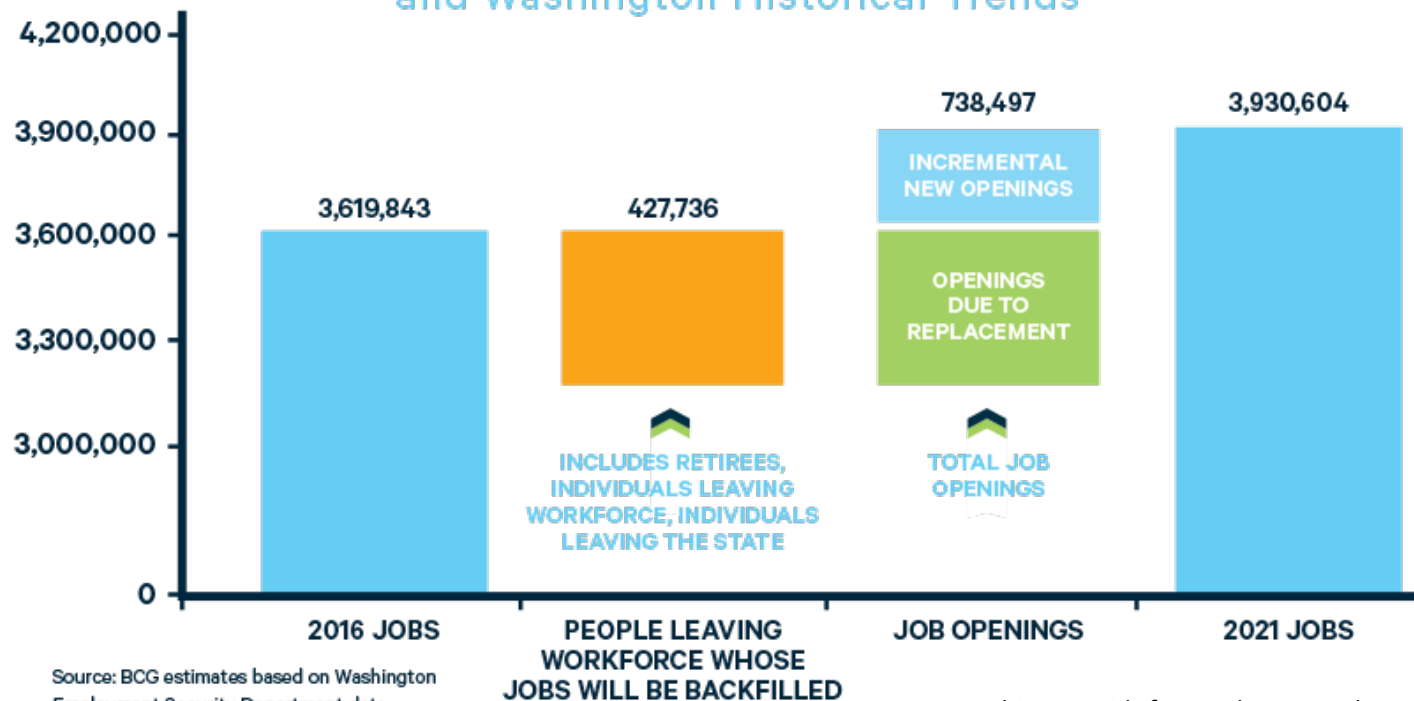
ATHLETIC TEAMS

Education and Workforce Development

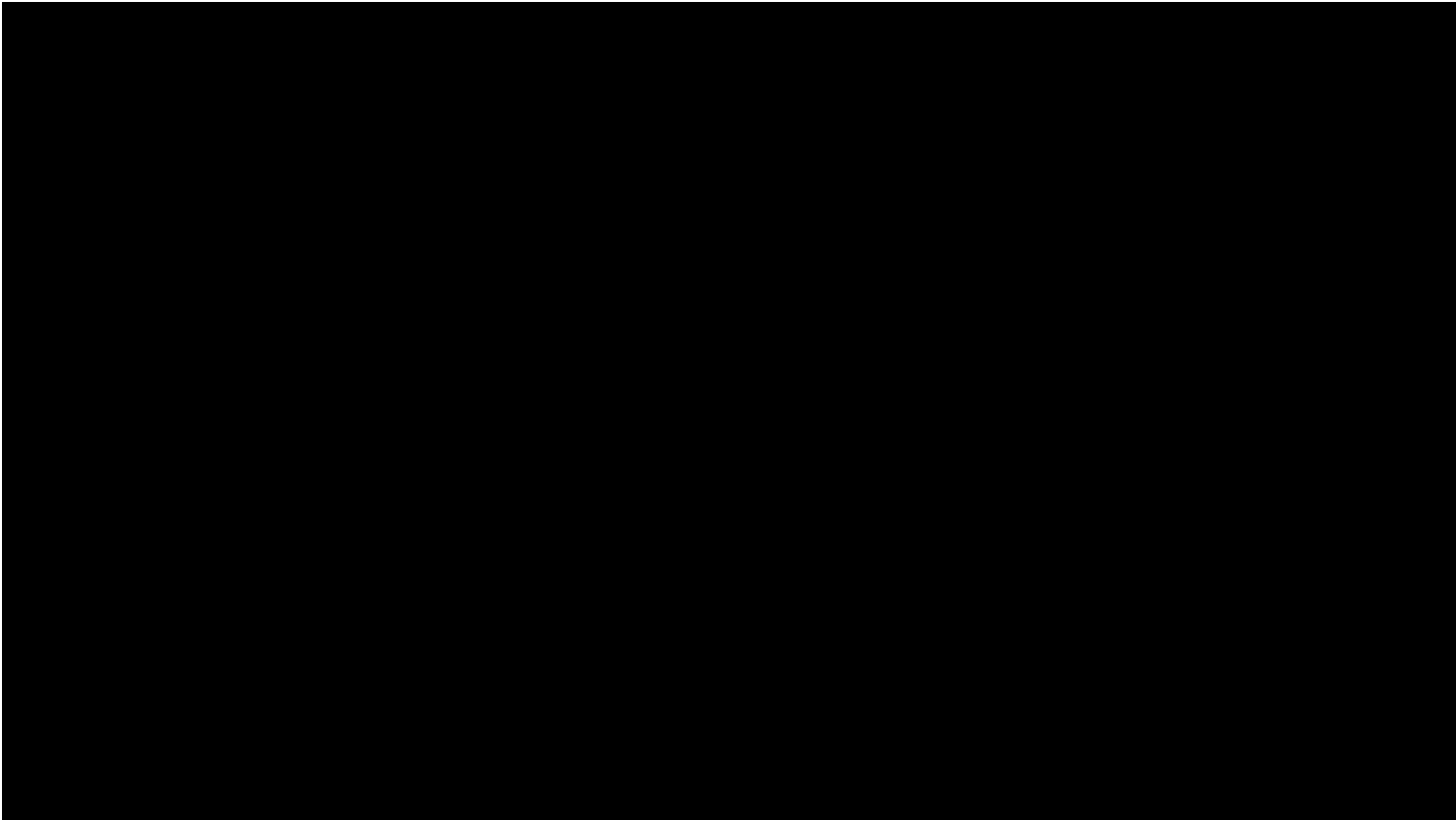


Workforce Demand

740,000 Job Openings in Washington State Between 2016–2021 Growth to Outpace National Forward-Looking Average and Washington Historical Trends

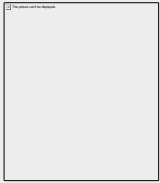


Washington Kids for Washington Jobs Report, *Boston Consulting Group*, 2016.



How do we get there?

**High School
Graduation Rate**



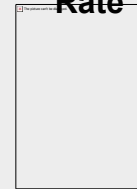
**Postsecondary
Enrollment**



**Postsecondary
Graduation
Rate**



**Reengagement
Rate**

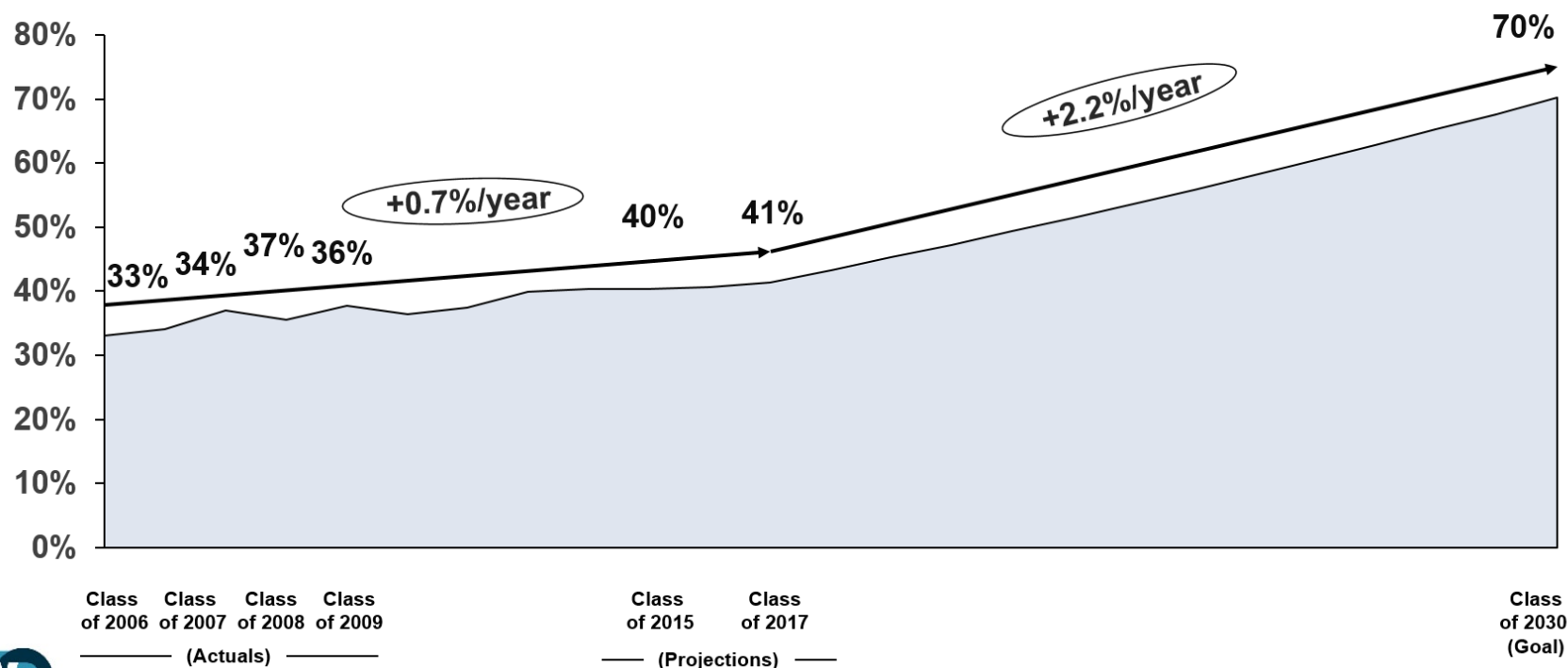


Credential Rate

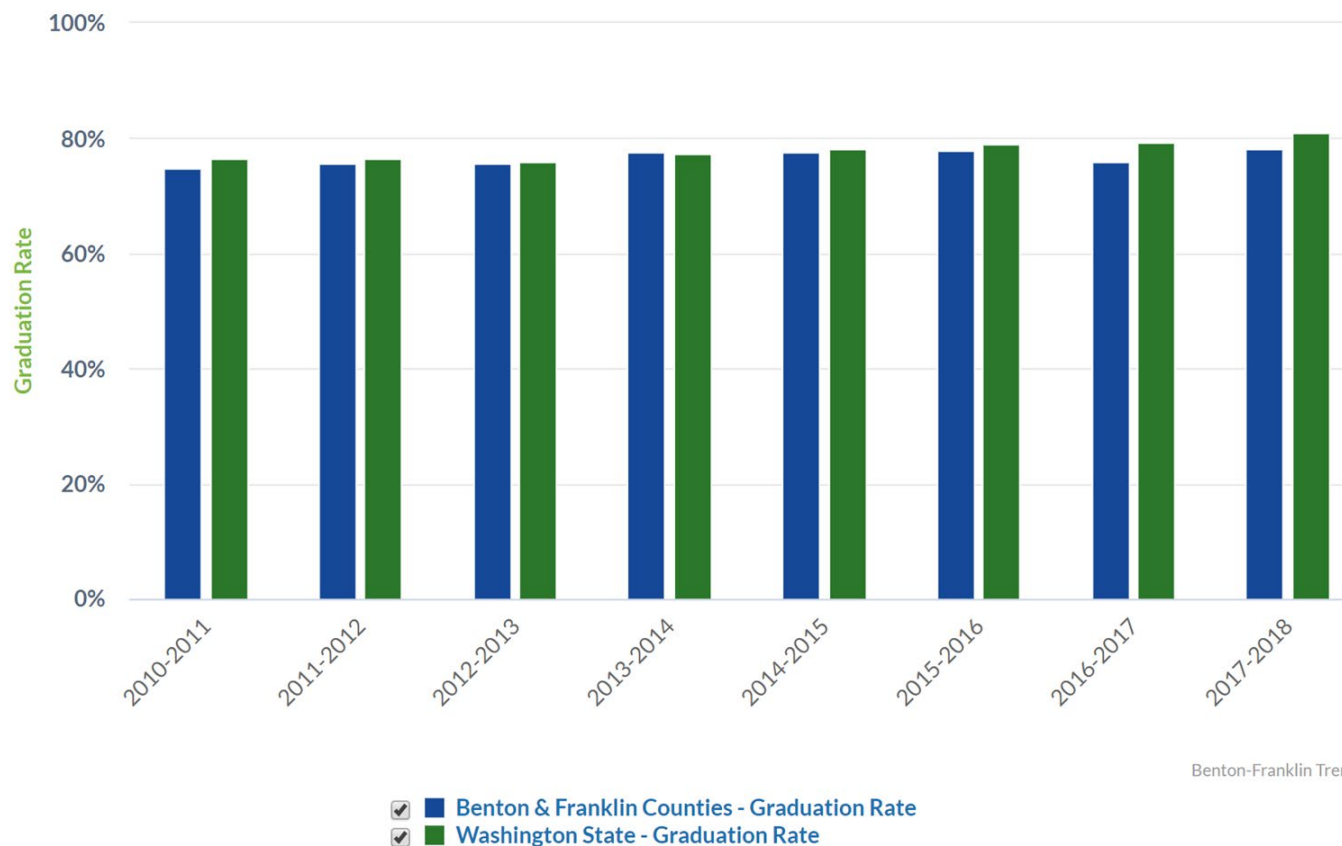


Credential rates increasing, but . . .

Credential attainment rate (% of starting class)



High School On-Time Graduation Rate



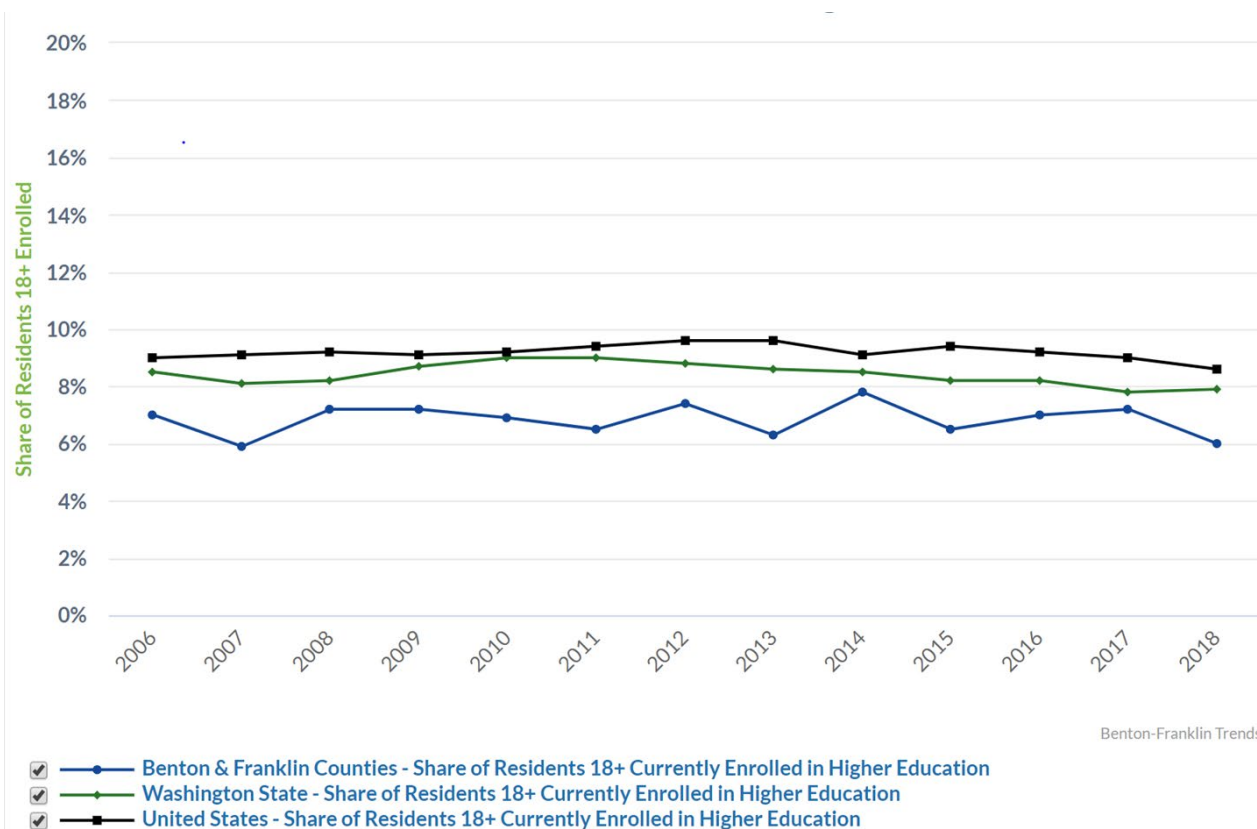
High School Students who attend higher education within one year after graduation



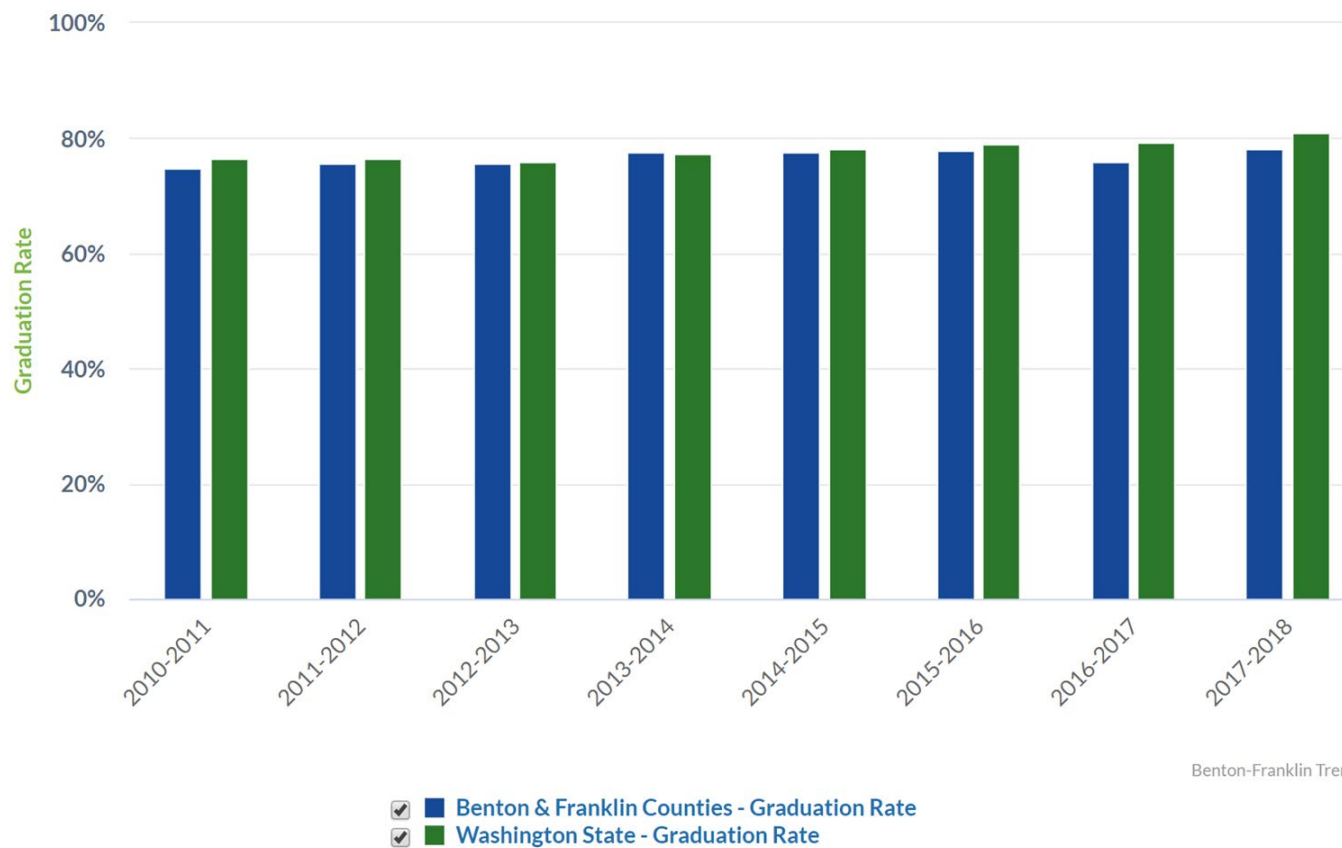
Benton-Franklin Trends

- ☒ Benton & Franklin Counties - Share of HS Grads Enrolled at a WA Public 2 Year School
- ☒ Benton & Franklin Counties - Share of HS Grads Enrolled at a WA Public 4 Year School
- ☒ Benton & Franklin Counties - Share of HS Grads Enrolled at a Out of State or Private School
- ☒ Washington State - Share of HS Grads Enrolled at a WA Public 2 Year School
- ☒ Washington State - Share of HS Grads Enrolled at a WA Public 4 Year School
- ☒ Washington State - Share of HS Grads Enrolled at a Out of State or Private School

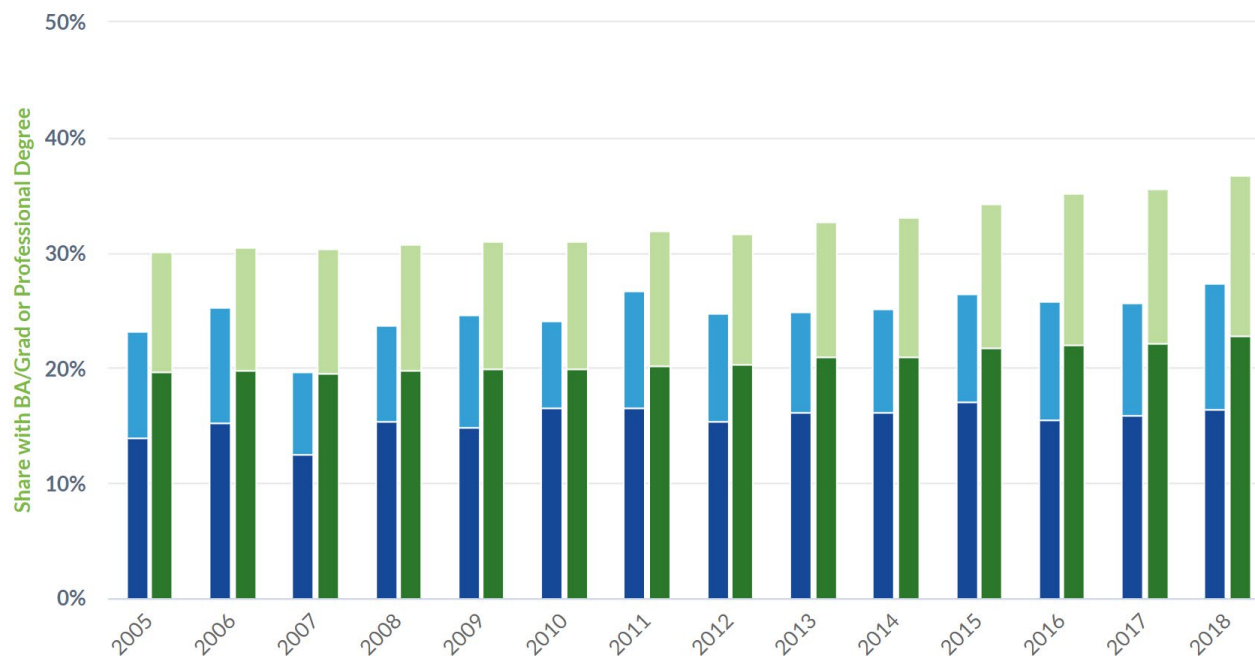
Residents 18+ Enrolled in Higher Education



25+ with some college or Associates Degree



25+ with at least Bachelors Degree



Benton-Franklin Trends

- ☒ Benton & Franklin Counties - Bachelor's Degree
- ☒ Benton & Franklin Counties - Graduate or Professional Degree
- ☒ Washington State - Bachelor's Degree
- ☒ Washington State - Graduate or Professional Degree

Community Responsiveness



Pathways with K12

P.TECH Pathways in Technology
Early College High School

- One of three pilots
- Career Connect WA
- Partners - Pasco School District, WSU, PNNL
- Fall 2021



1400
Running Start
Students

Pathways with K12



Delta to CBC Roadmap:

- AA Degree
- Industry Certifications



Richland Health Science Academy:

- Various tracks in health care
- Industry Certifications
- Meet CBC program prereqs

Pathways with K12

Pasco School District Pathways:

- Six roadmaps in district catalog
- Agriculture
- Computer Science
- Business and Marketing
- Professional-Technical
- Education
- Health Sciences



New Horizons High School:

- Early Childhood Education
- Earn short-term certification
- CTE Dual Credit

Pathways with Universities

WASHINGTON STATE
 UNIVERSITY
TRI - CITIES



CWU | Central
Washington
University

 **Heritage University**

Increasing Post-Secondary Enrollment

Guts and Gables

- TRIDEC, all-day event
- 240 8th grade Richland students
- Males – Health Science careers
- Females - Construction Trades

Girls Learning About Manufacturing (GLAM)

- TRIDEC
- 120 high school girls
- 40 mentors
- Day of hands-on, creative projects

Girls Engaged in Automotive Repair (1st GEAR, 2nd GEAR)

- Week long evening workshop
- Females ages 16 and over
- Basic vehicle inspection, maintenance, repair, changing tires and oil

Women of Welding (WOW!)

- Evening program
- High school + females
- Welding projects
- Welding Careers and Safety

Increasing Post-Secondary Enrollment

Girls Engaged in Math Success (GEMS)

- Junior High girls
- Three-night program
- Hands-on math manipulations
- Focus on Manufacturing Technology

Apprenticeship 101 Career Fair

- Worksource
- Out-of-school youth and community members
- Evening apprenticeship career fair
- Career opportunities in trades

Welding Technology

- Pasco High School welding students
- Shadow CBC welding students
- Understand college-level coursework
- Career opportunities in welding

Increasing Post-Secondary Enrollment

Computer Science Teachers Association

- Local chapter in national organization
- HS and CBC Computer Science teachers
- Workshops
- Job shadow program

Girls Can Code Camp

- Summer week-long program
- Female K-12 students
- Computer Science
- Cyber Security
- Computer Coding

JC Penny Suit Up Day

- WSU Tri-Cities
- Professional clothing, makeup and hair at JC Penny
- Discounts!

New Programs



Community Responsiveness

Program Advisory Boards

Community Engagement

Institutional Research

Program Review/Assessment

New Programs

- Teacher Education – BAS (Fall 2019)
- Health Physics – BAS
 - Pathway for AAS in Nuclear Technology
- AAS in Agriculture Production
 - Short-term certificates:
 - Crop and Soil Science
 - Hydroponics and Greenhouse Manageme
 - Precision Agriculture



Programs under development

- Behavioral Health –
 - Transfer program (AA) for BSW with EWU
- Chemistry Instrumentation - BAS
- Culinary
 - AAS Food and Beverage Restaurant Operations (Fall 2020)
- Cyber Security – Expand capacity



Thank you!

Rebekah S. Woods, President
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We All Soar Together

ECONOMIC OUTLOOK 2020

WSU TRI-CITIES



Sandra Haynes
Chancellor



Education and Workforce Development

Sandra Haynes, Chancellor
WSU Tri-Cities



WSU Tri-Cities at a glance:

- 1,813 students
- 42 percent minority
- 42 percent first-generation

20 bachelor's degree programs
33 graduate degree programs

Seven academic colleges:



College of Arts and Sciences



Carson College of Business



College of Education



School of Engineering and Applied Sciences
(Voiland College of Engineering and Architecture)



College of Nursing



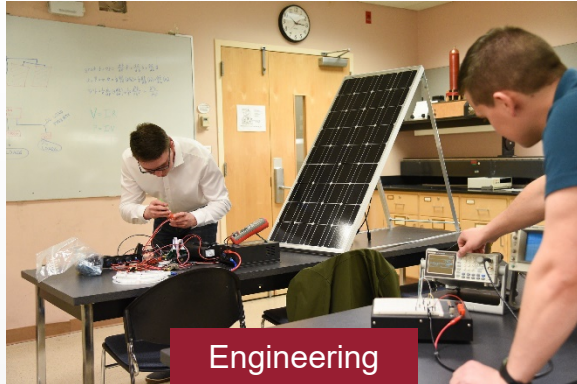
College of Agricultural, Human and Natural
Resource Sciences (CAHNRS)



Elson S. Floyd College of Medicine



Fulfilling regional educational needs



Engineering



Computer Science



Nursing



Business



STEAM Collaboration



Wine Science



Education

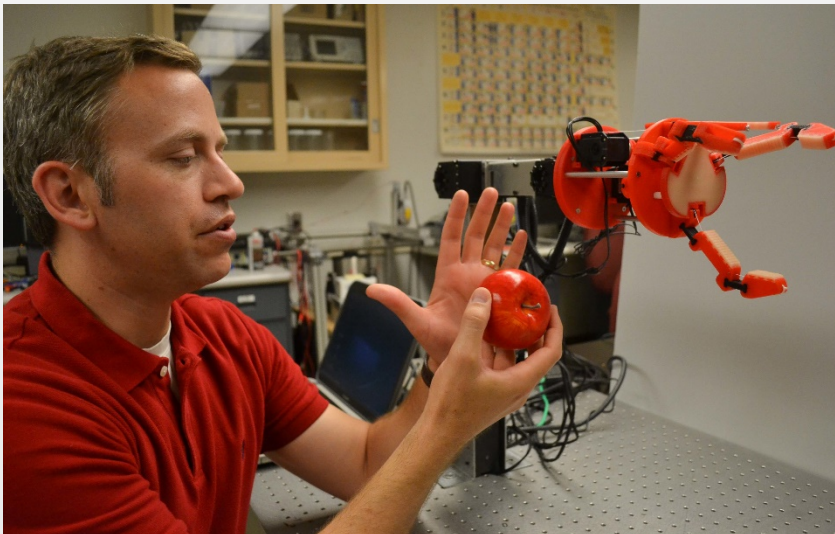


Digital Technology and Culture

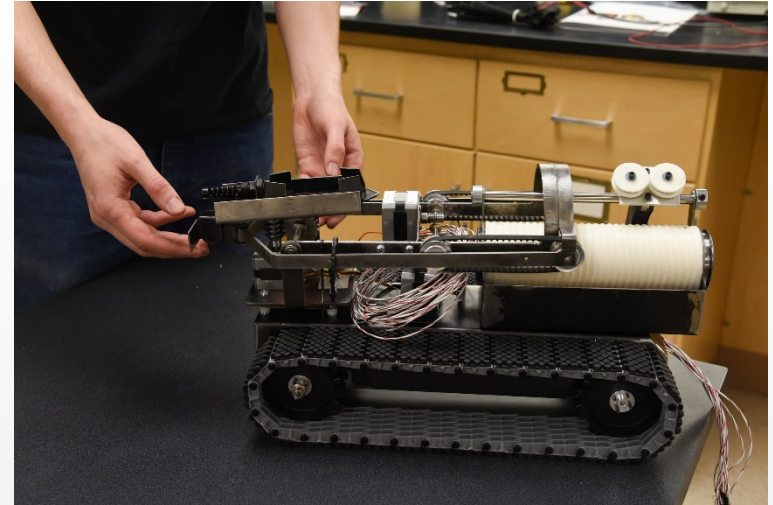


Science

Partnerships/engagement with local industry



Hanford clean-up



Higher education has never been more valuable



College graduates earned **56 percent** more than high school grads in 2015

Half of WSU students graduate with **ZERO** college debt, and those who do, often in low \$20,000s

Opportunities for growth



Benton, Franklin counties – among fastest growing in state



Local academics needs to support workforce



Ag/Technology



Food Processing



Science Writing/Communication



Social Work

How regional Tri-Cities industry can help



Washington River Protection Solutions (WRPS) supports student summer research

Includes partner projects for technology development and Hanford cleanup

Chancellor's Summer Scholars program



CH2M supports expansion of the STEM Tutoring Center, STEM academics

Now includes shared study spaces, interactive academic technology, presentation space

Support for local STEM education

CH2M STEM Tutoring Center STEM academics



New academic building

Variety of new teaching laboratories, stadium-style seating presentation area, range of meeting rooms and study spaces

Opportunities for building and technology sponsorships

Mentorship



Internships



Partnerships





ECONOMIC OUTLOOK 2020

K-12: KENNEWICK SCHOOL DISTRICT

Traci Pierce

Superintendent





Education and Workforce Development

*Kennewick School District
January 20, 2020*





Our Mission

To provide a safe environment
in which every student
reaches his or her highest potential
and
graduates well prepared for success
in post-secondary education, work
and life.





Our Students

Current Enrollment: 18,990

STUDENT Demographics



57%

Low Income



12.6%

English Learners



11%

Special Education



11.8%

Migrant





Our Students



82%

of 3rd graders meet the
district reading goal



89%

of 8th graders are enrolled
in Algebra 1 or higher



85%

of Kamiakin, Kennewick
and Southridge high school
students graduate in 4 years

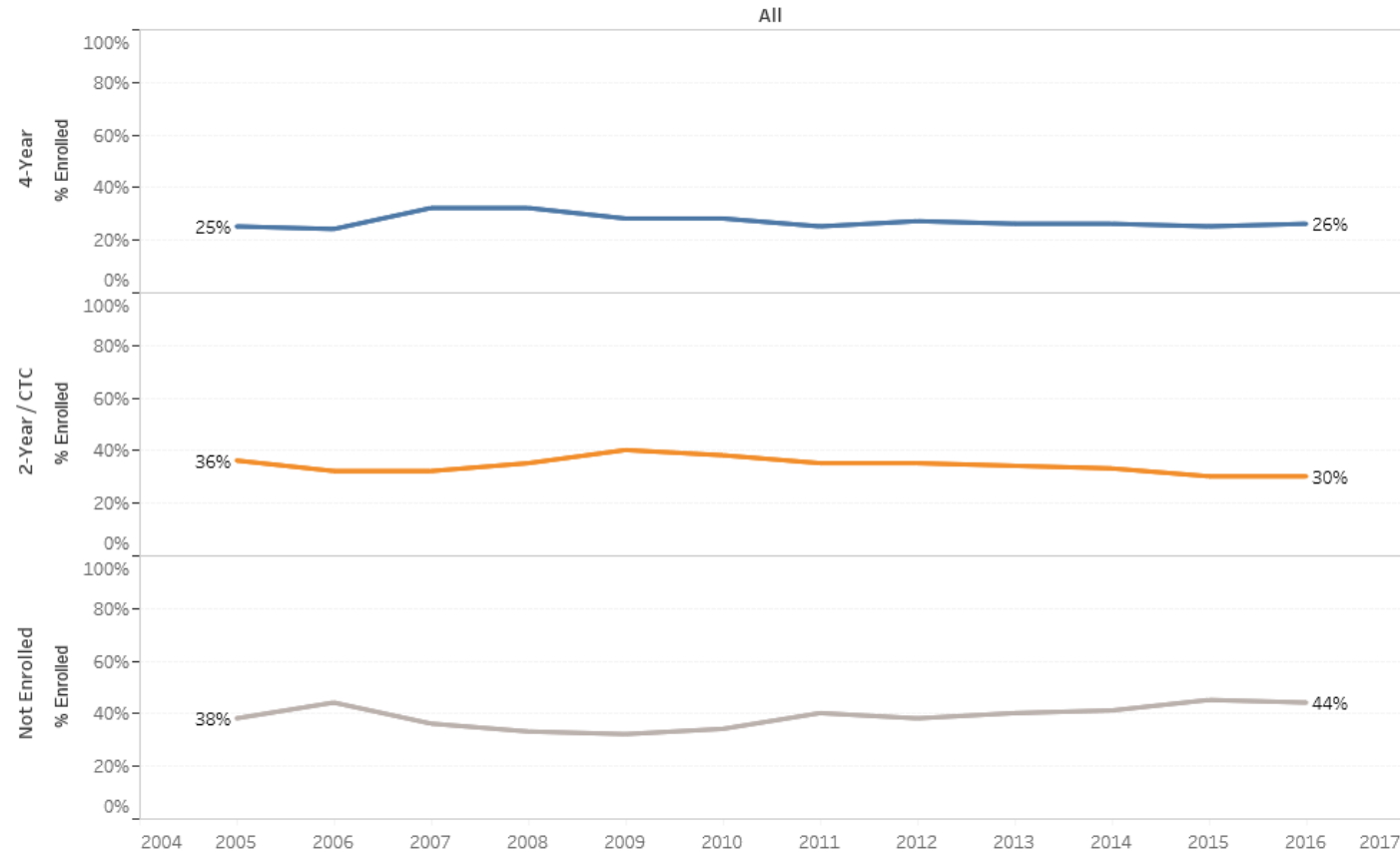




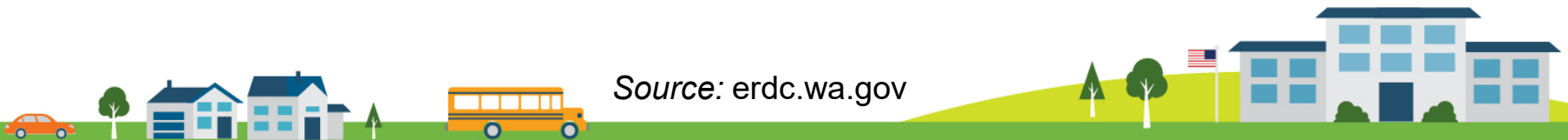
Our Students

What percent of graduates enrolled in college during the first year after graduation?

District: Kennewick School District || School: District Wide



Source: erdc.wa.gov

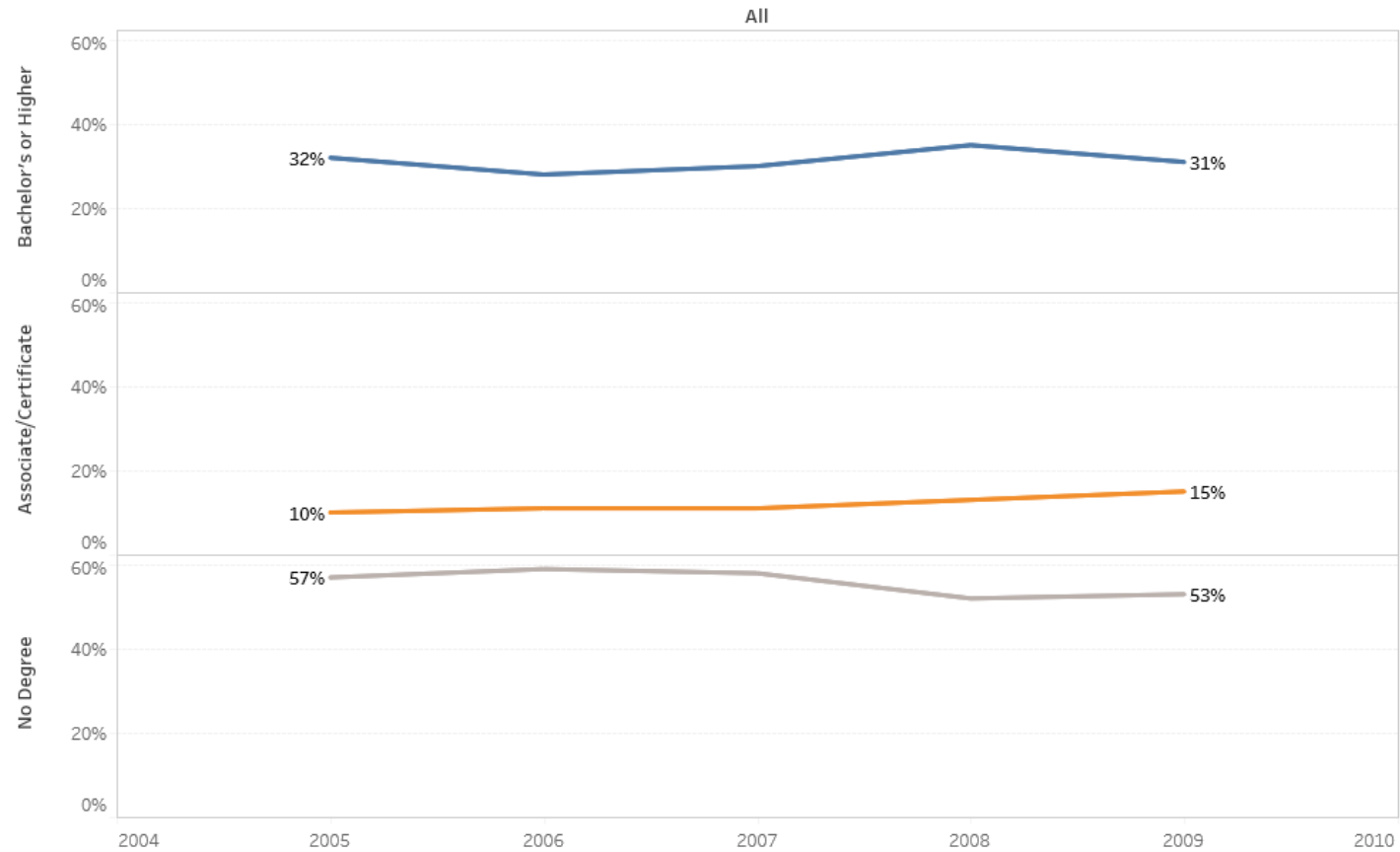




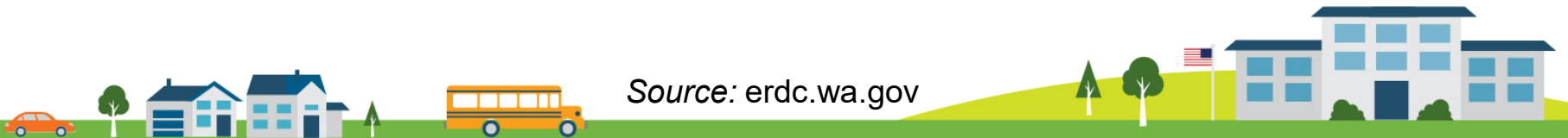
Our Students

What is the highest postsecondary credential earned within 8 years of high school graduation?

District: Kennewick School District || School: District Wide



Source: erdc.wa.gov

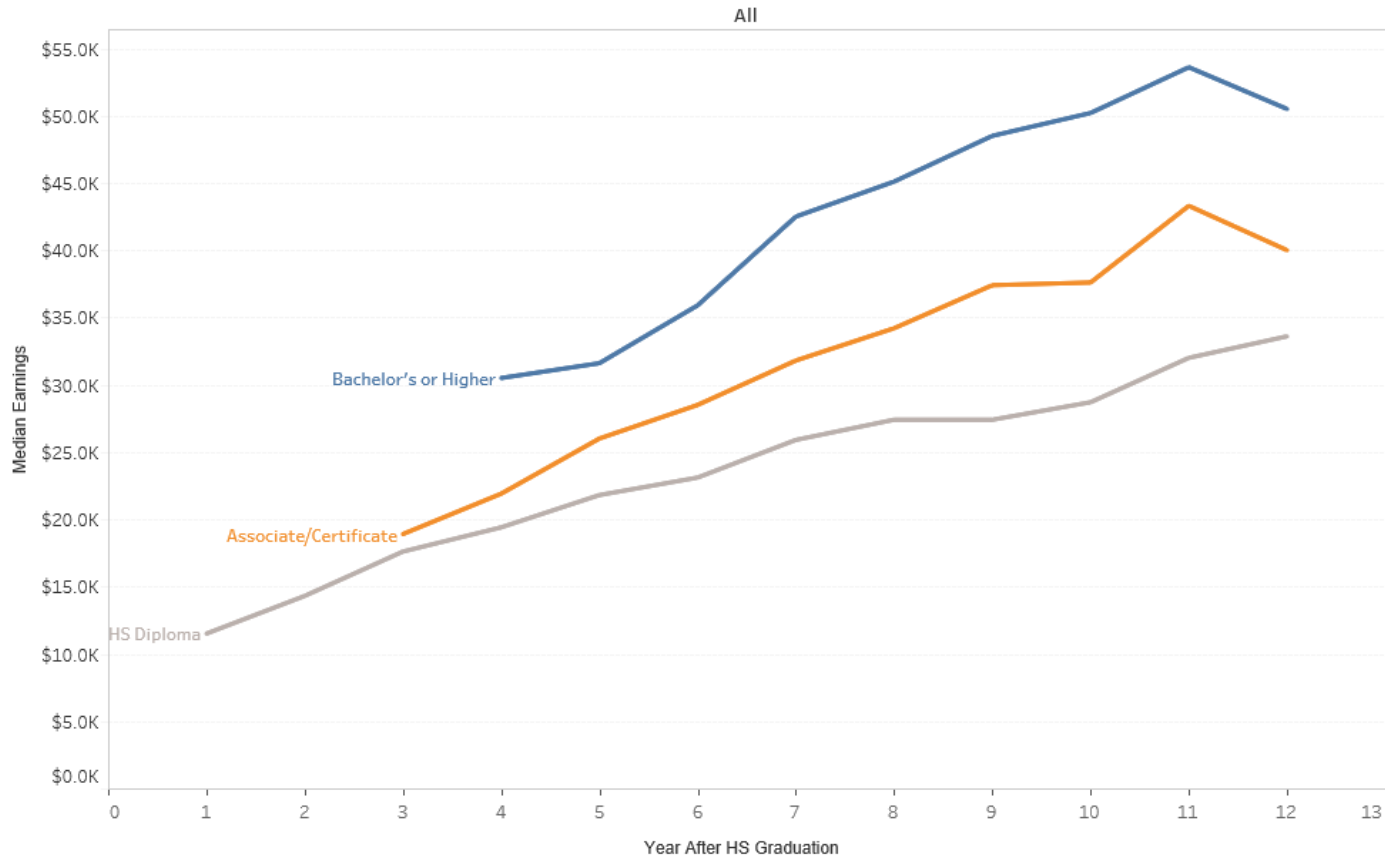




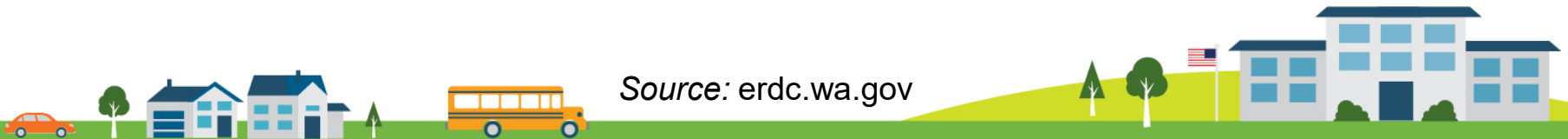
Our Students

What were the median earnings of high school graduates after graduation?

District: Kennewick School District || School: District Wide



Source: erdc.wa.gov





New Washington State Graduation Requirements

The State Board of Education adopted new “Career and College Ready” graduation requirements for the Class of 2021 and beyond:

- The State Board’s vision is of an education system that prepares all students for college, career and life.
- In support of this vision, the State Board has worked to create a high school diploma requirements that are both **rigorous and flexible**.
- In Washington, high school students must have a **High School and Beyond Plan**, meet **credit requirements**, and meet **graduation pathway option requirements**.





High School and Beyond Plan

- A personalized plan designed to help students, parents, and teachers to help students set, visualize, and work to:
 - Identify career goals, aided by a skills and career interest inventory assessment.
 - Identify educational goals.
 - Develop a four-year plan for course-taking plan that fulfills state and local graduation requirements and aligns with the student's career and educational goals.





Credit Requirements

- **24 Credits for Class of 2021 and Beyond**
 - **17 Foundational/Core Credits**

• English	4
• Math	3
• Science	3
• Social Studies	3
• Health & Fitness	2 (.5 Health/1.5 PE)
• Career and Technical Education	1
• Arts	2 (One may be Personalized Pathway)
• World Language	2 (Both may be Personalized Pathway)
 - **3 Personalized Pathway Credits**
 - **4 Electives**





Graduation Pathways

Meet at least one of eight graduation pathways (beginning with Class of 2020):

- **State Assessment:** Meet or exceed the graduation scores in the Smarter Balanced Assessments (SBA) in English language arts (ELA) and mathematics or in WA-AIM (Washington Access to Instruction & Measurement).
- **Dual Credit:** Earn at least one high school credit in ELA and at least one high school credit in math in dual credit courses (Running Start, College in the High School, and/or Career and Technical Education dual credit courses).
- **AP/IB/Cambridge:** For both ELA and math, earn a 3 or higher on certain Advanced Placement (AP) exams or a 4 or higher on certain International Baccalaureate (IB) exams or an E on certain Cambridge International exams, or pass the course with at least a C+.
- **SAT/ACT:** Meet or exceed the graduation scores set by SBE in the math and ELA portions of the SAT or ACT.
- **Transition Course:** Pass a transition course in ELA and math (for example, a Bridge to College course) which allows a student to place directly into a credit-bearing college level course.
- **Combination:** Meet any combination of at least one ELA and one math option of those options listed in 1-5.
- **ASVAB:** Meet standard on the ASVAB (Armed Services Vocational Aptitude Battery) by scoring at least the minimum established by the military for eligibility to serve in a branch of the armed services.
- **CTE Sequence:** Complete a sequence of Career and Technical Education (CTE) courses.





Program Offerings

Advanced
Placement

Tri Tech Skills
Center

Air Force
Junior ROTC

College in the
High School

Career and
Technical
Education

Delta

International
Baccalaureate

Running Start

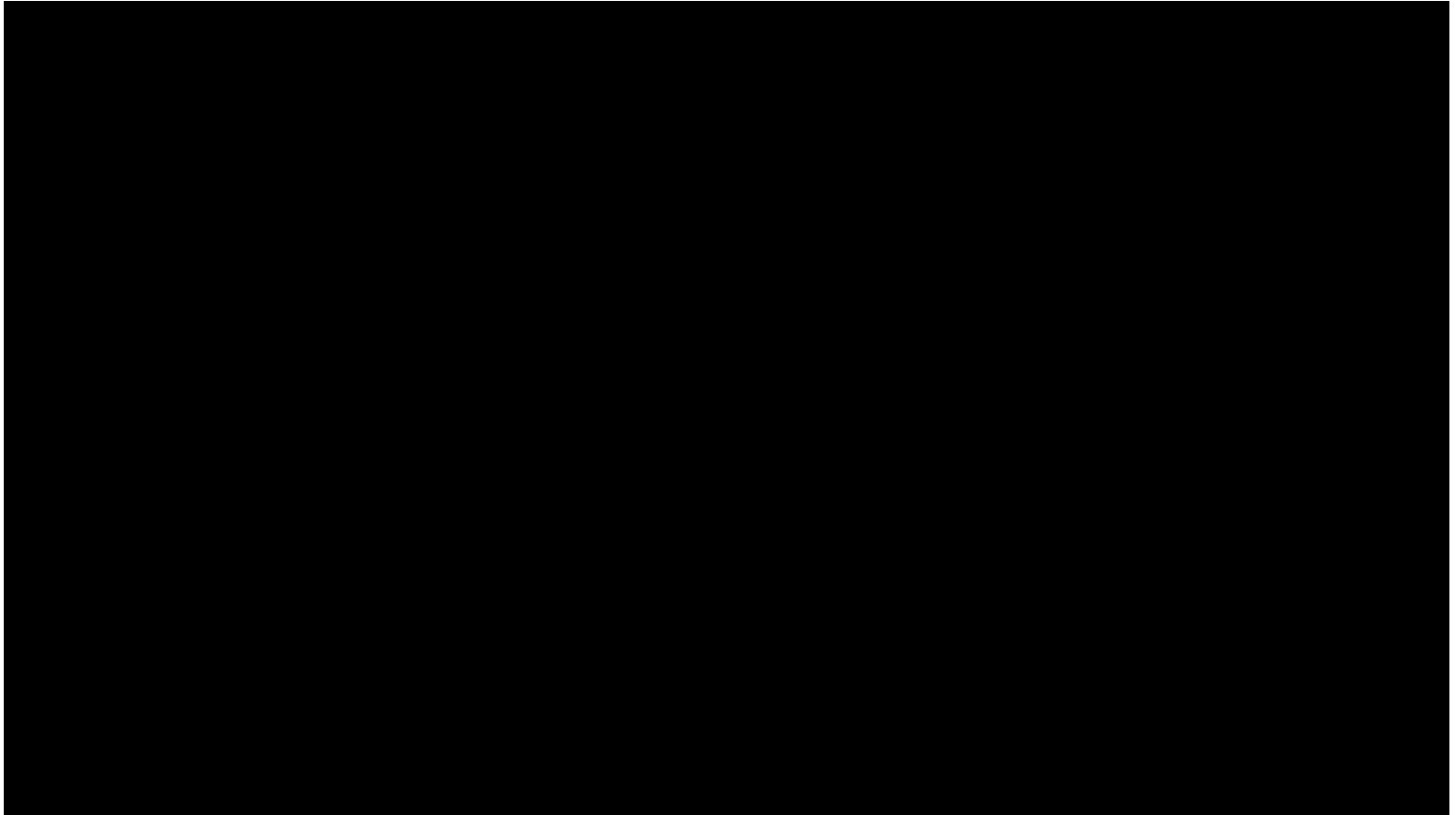
Seal of
Biliteracy

GEAR UP





Tri Tech Skills Center



Our Students

JANUARY 8, 2020

→ SHARE

VIEW ALL

Kennewick High Student Named Top Science Scholar

Nikhil Devanathan, a senior at Kennewick High School, has earned a prestigious honor.

He's been named one of the top 300 scholars in the [2020 Regeneron Science Talent Search](#), a nationwide math and science competition.

The honor comes with a \$2,000 prize for Nikhil, plus \$2,000 for his school to use on science, technology, engineering and math (STEM) activities.

Nikhil also is in the running for one of 40 finalist slots. Finalists will be announced toward the end of January and are invited to Washington, D.C. to compete for the top prize of \$250,000.

Nearly 2,000 students nationwide applied to be part of the talent search, with the top 300 scholars chosen based on research skills, commitment to academics, innovative thinking and promise as scientists, [a news release said](#).

Nikhil's project involved measuring local air quality using portable Arduino-based sensors.

He's been honored for his research skills before, twice winning a grand prize at the Mid-Columbia Regional Science and Engineering Fair and traveling to the Intel International Science and Engineering Fair. He's part of the International Baccalaureate program at Kennewick High and also serves as the student representative to the Kennewick School Board.



Our Students

JANUARY 15, 2020

App Challenge Champions!

→ SHARE

VIEW ALL

They're headed to Washington, D.C. with their winning video game!

Tri-Tech Skills Center students Max Bake, Preston Ryan and Lucas Kaser triumphed in the 2019 Central Washington Congressional App Challenge with "Clean Streets," a game that raises awareness about recycling.

The teens are all part of Mat Adelmund's [Video Game Design program](#) at Tri-Tech. Max attends Kennewick High School and Preston and Lucas are both students at Southridge High School.

All three are seniors and plan to pursue careers in video game design after they graduate. They spent about two months working on "Clean Streets."

It was picked as the [Congressional App Challenge](#) winner by a panel of judges. The students will join other regional champs in Washington, D.C. this spring for a reception and demo day to showcase their work.



Our Students

FEBRUARY 7, 2020

→ SHARE

VIEW ALL

Kamiakin student leader headed to Washington, D.C.

Kamiakin High School's student body president is headed to Washington D.C.

Dana Ahmed, a senior, is one of two students from our state who earned the chance to spend a week in the nation's capital for the [United States Senate Youth Program's](#) Washington Week in March.

She'll attend meetings and briefings with a wide range of government officials, from members of Congress to the president, plus check out the D.C. sites and learn all about how government works.

She's also set to receive a \$10,000 college scholarship from [Hearst Foundations](#) as part of her selection for the youth program.

Dana will join about 100 other student leaders from around the country in D.C., all chosen through a competitive application process. The other Washington student is from the Spokane area.

The United States Senate Youth Program started in 1962 and is sponsored by the U.S. Senate and paid for by The Hearst Foundations.

After Dana graduates from Kamiakin, she hopes to attend University of Washington, Stanford University or Howard University.

"I want to go into medicine or political science, so I'm thinking maybe public health or policy," she said. "Being chosen for this program is such an honor. It's so cool to be able to represent my state. I can't even put it into words."

