



**ASU • Helios  
Decision Center for  
Educational Excellence**

# **Pima County Public School Superintendent & High School Administration**



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April 8, 2022



# About the ASU Helios Decision Center for Educational Excellence

The *ASU Helios Decision Center for Educational Excellence* brings together data, education stakeholders, and the resources of ASU and Helios to drive positive change and better student outcomes from Pre-K through employment.



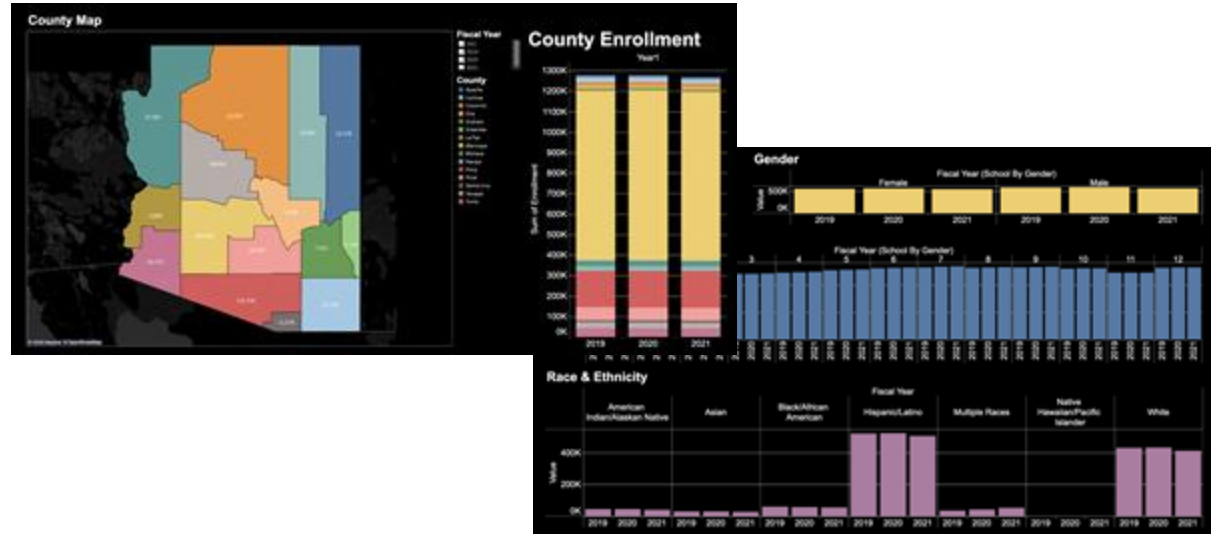
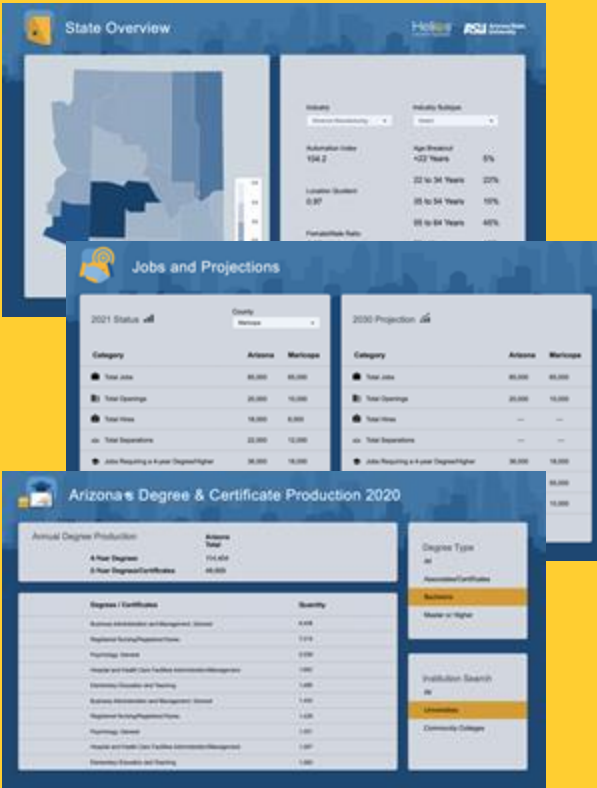
# Current Decision Center Projects

- Postsecondary Feedback Reports
- High School Outcome Module
- Clearinghouse Opt-out rates
- Impact of AP, Dual Enrollment and CTE course taking
- Automatic admission pilot



# Future Projects

- COVID Impact Visualization
- Education & Workforce Visualization
- Success Catalog – Bright Spots in Ed
- Future Opportunities
  - Wage data in Arizona



# The Postsecondary Feedback Reports Are A Collaborative Effort



**ASU • Helios**  
Decision Center for  
Educational Excellence



ARIZONA STATE SYSTEM  
FOR INFORMATION  
ON STUDENT TRANSFER



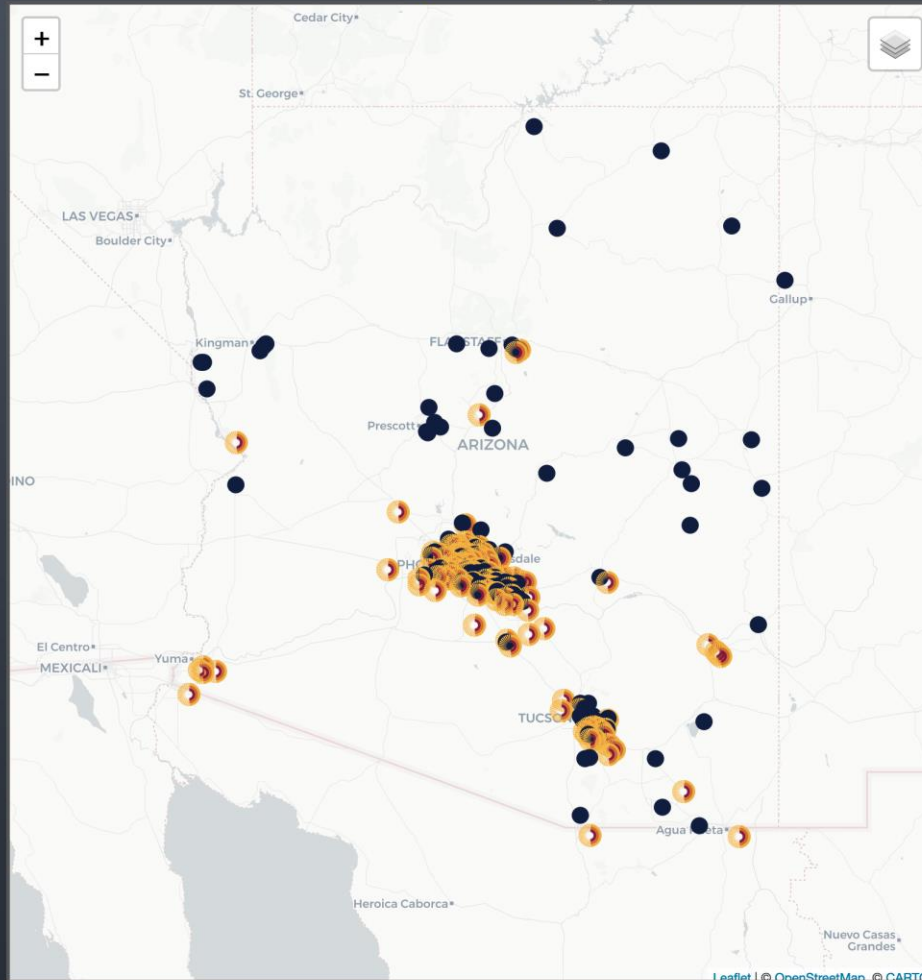
# **What Questions Do the Reports Answer?**

- **What were students grades in their classes by subject?**
- **What were their majors?**
- **What were their GPAs?**
- **Did the college-goers match the gender and ethnicity of our graduates?**
- **Did students access financial aid?**
- **What were the degrees and certificates earned?**
- **What information can we track around Dual Enrollment?**

# **Where are the data coming from?**

- Information on the students who graduated from an Arizona public or charter high school comes directly from the Arizona Department of Education.
- Data from the community colleges and public universities come directly from the Arizona State System for Information on Student Transfer (ASSIST).
- ASSIST data are updated each semester for the universities, and annually for the community colleges.
- Reports show data by District and by High School.

Has PSFR Login    Not Yet Connected



Academy of Tucson, Inc.  
American Charter Schools Foundation  
d.b.a. Alta Vista High School  
Amphitheater High School  
Arizona Virtual Academy  
BASIS Charter Schools, Tucson North  
Canyon Del Oro High School  
Catalina Foothills Unified District  
Daisy Education Corporation Flowing  
Wells High School  
Ironwood Ridge High School  
Presidio School  
Sahuarita High School  
Tanque Verde Unified District  
Walden Grove High School



Sample High School District* High School Dual Enrollment Summary															
Category		2013-14		2014-15		2015-16		2016-17		2017-18		2018-19		2019-20	
<b>TOTAL</b>	Total Students	1,138		1,242		1,411		1,298		1,435		1,389		1,504	
	Total Enrollments	2,395		2,753		3,253		2,996		3,313		3,198		3,410	
<hr/>															
<b>ETHNICITY</b>	American Indian	9	.8%	9	.7%	9	.6%	6	.5%	13	.9%	8	.6%	8	.5%
	Asian	54	4.7%	48	3.9%	52	3.7%	61	4.7%	62	4.3%	76	5.5%	78	5.2%
	Black	13	1.1%	6	.5%	14	1.0%	17	1.3%	18	1.3%	22	1.6%	18	1.2%
	Hispanic	80	7.0%	96	7.7%	129	9.1%	124	9.6%	178	12.4%	184	13.2%	226	15.0%
	Pacific Islander	5	.4%	7	.6%	7	.5%	5	.4%	9	.6%	6	.4%	7	.5%
	White	904	79.4%	927	74.6%	1,068	75.7%	908	70.0%	962	67.0%	938	67.5%	1,002	66.6%
	Unknown	73	6.4%	149	12.0%	132	9.4%	177	13.6%	193	13.4%	155	11.2%	165	11.0%
<hr/>															
<b>GENDER</b>	Male	513	45.1%	556	44.8%	604	42.8%	566	43.6%	644	44.9%	602	43.3%	646	43.0%
	Female	613	53.9%	676	54.4%	788	55.8%	714	55.0%	784	54.6%	782	56.3%	854	56.8%
	Unknown	12	1.1%	10	.8%	19	1.3%	18	1.4%	7	.5%	5	.4%	4	.3%
<hr/>															
<b>ENROLLMENT YEAR**</b>	Freshmen	12	1.1%	26	2.1%	27	1.9%	40	3.1%	47	3.3%	49	3.5%	39	2.6%
	Sophomore	144	12.7%	193	15.5%	256	18.1%	212	16.3%	299	20.8%	274	19.7%	312	20.7%
	Junior	388	34.1%	409	32.9%	454	32.2%	404	31.1%	448	31.2%	409	29.4%	402	26.7%
	Senior	594	52.2%	614	49.4%	674	47.8%	642	49.5%	641	44.7%	657	47.3%	751	49.9%
<hr/>															
	A	1,263	52.7%	1,618	58.8%	1,843	56.7%	1,874	62.6%	2,106	63.6%	2,051	64.1%	2,189	64.2%
	B	888	37.1%	880	32.0%	1,072	33.0%	841	28.1%	892	26.9%	849	26.5%	943	27.7%
	C	192	8.0%	205	7.4%	272	8.4%	236	7.9%	265	8.0%	233	7.3%	222	6.5%
	D	36	1.5%	33	1.2%	40	1.2%	28	.9%	35	1.1%	38	1.2%	28	.8%
	F	1	.0%	5	.2%	6	.2%	5	.2%	3	.1%	8	.3%	4	.1%
	Other***	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Withdrawn	15	.6%	12	.4%	20	.6%	12	.4%	12	.4%	19	.6%	24	.7%



Decision Center for  
Educational Excellence

Helios  
SCHOOL DISTRICT

ASU  
ARIZONA STATE  
UNIVERSITY

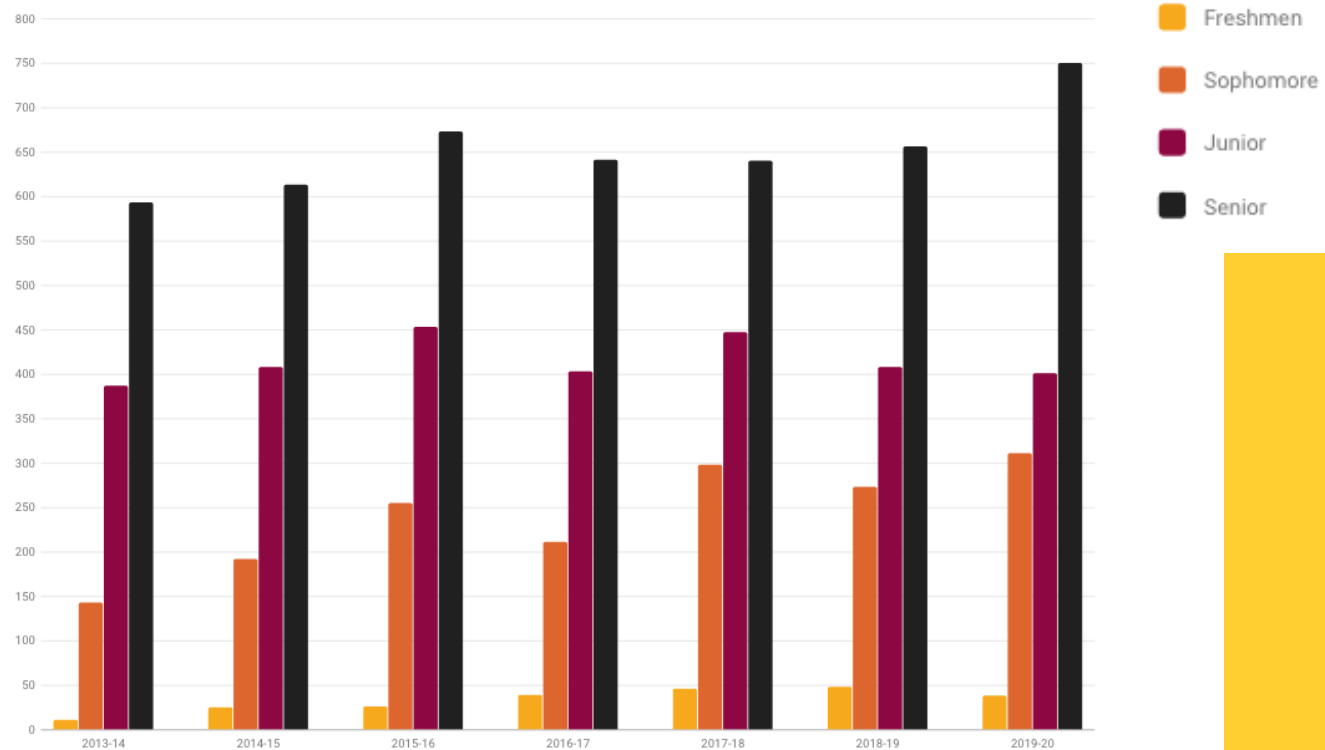


ARIZONA STATE SYSTEM  
FOR INFORMATION  
ON STUDENT TRANSFER

High School Dual Enrollment Charts  
**SAMPLE HIGH SCHOOL DISTRICT**  
Summary of High School Dual Enrollment Trends

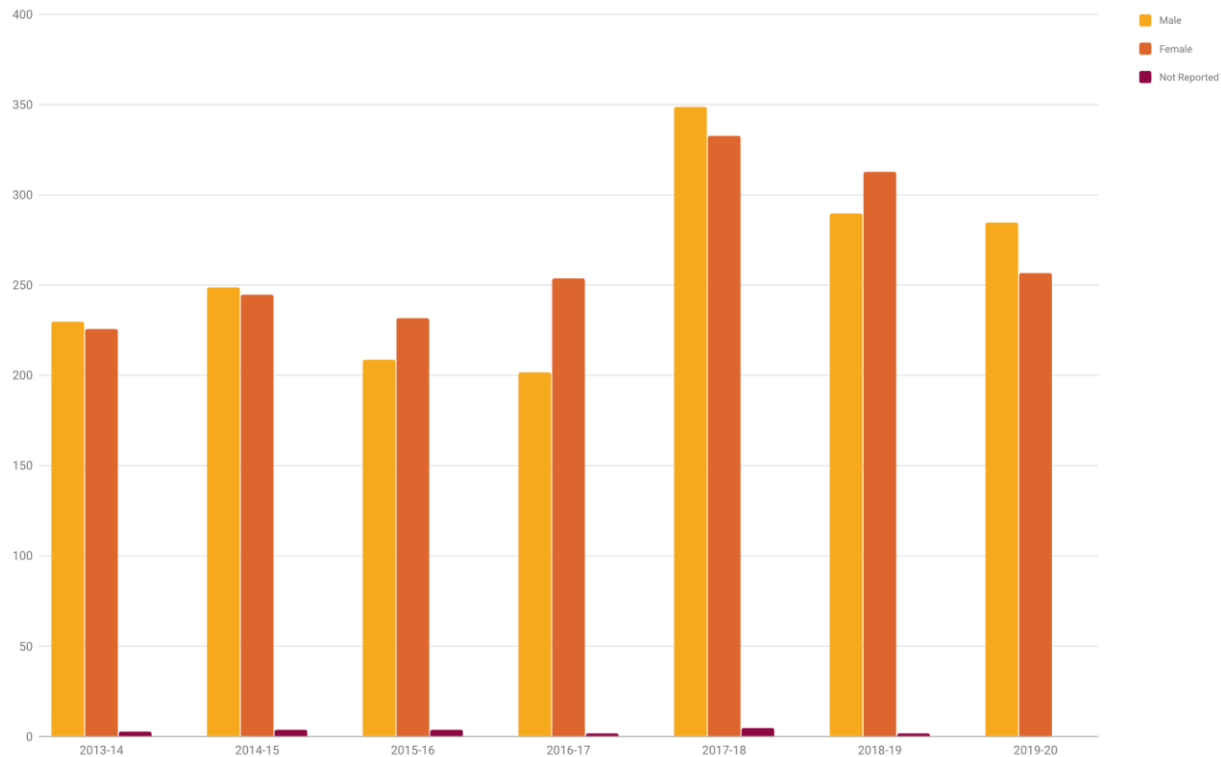
SELECT CHART: Dual Enrollment by Grade Level ▾

Dual Enrollment by Grade Level\*\* (Grads Only\*)



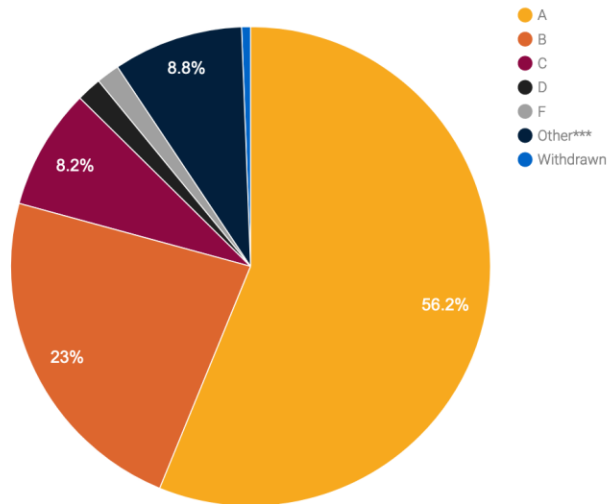
SELECT CHART: Dual Enrollment by Gender

Dual Enrollment by Gender (Grads Only\*)



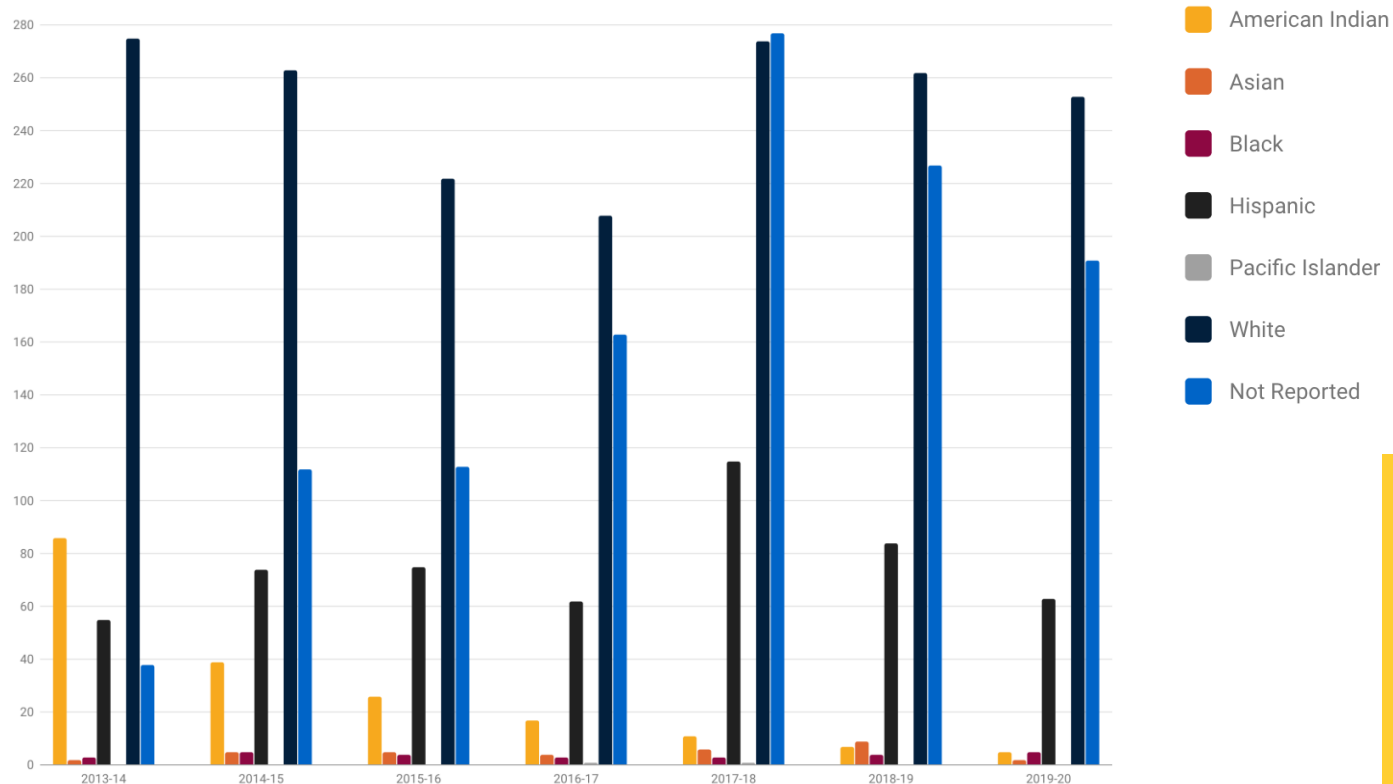
SELECT CHART: Letter Grade for Dual Enrollment

Letter Grade for Dual Enrollment 2019-20



SELECT CHART: Dual Enrollment Students by Race/Ethnicity

Dual Enrollment Students by Race/Ethnicity (Grads Only\*)



This report provides a single year of Arizona community college dual enrollment course completions by discipline of students from Sample High School District. The cohort of students includes high school graduates from Sample High School District who took a dual enrollment course during the academic year 2019-20.

High Schools included in this report: Sample High School, Fake High School, Pretend High School

DUAL ENROLLMENT BENCHMARK 2019-20									
DISCIPLINE	ENROLLMENT HEADCOUNT	ENROLLMENT SUCCESS	ENROLLMENT SUCCESS %	LAST YEAR SUCCESS %	AZ AVG SUCCESS %	UNSUCCESS COUNT	UNSUCCESS %	WITHDRAWAL COUNT	WITHDRAWAL %
Allied Health - Dual Enrollment	18	18	100%	--	+2.9	--	--	--	--
Art - Dual Enrollment	65	65	100%	+5.1	+3.2	--	--	--	--
Automotive - Dual Enrollment	34	34	100%	--	+4.2	--	--	--	--
Building Construction - Dual Enrollment	17	15	88.2%	-15.4	-3.9	2	11.8%	--	--
English - Dual Enrollment	121	117	96.7%	+3.2	+0.0	2	1.7%	2	1.7%
History - Dual Enrollment	204	194	95.1%	+2.1	-1.1	8	3.9%	2	1.0%
Hospitality - Dual Enrollment	59	57	96.6%	+0.7	+1.0	2	3.4%	--	--
Math - Dual Enrollment	125	122	97.6%	+4.8	+2.5	3	2.4%	--	--
Other - Dual Enrollment	76	73	96.1%	-4.5	-1.6	2	2.6%	1	1.3%
Physics - Dual Enrollment	71	71	100%	+4.2	+4.1	--	--	--	--
Welding - Dual Enrollment	65	63	96.9%	-0.2	+9.0	2	3.1%	--	--



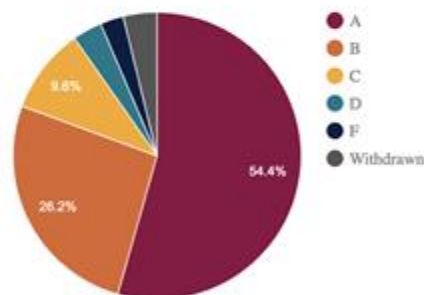
Purpose: Comparison of students that took a high school dual enrollment course in a given discipline, then go on to take a 100 or 200-level course at the university in the same discipline--how does their grade performance compare to the university student body at large?

Discipline:

Dual Enrollment Cohort Year: 2018-19

### UNIVERSITY GRADE COMPARISON - BIOLOGY

Former Dual Enrollment Cohort - Biology Grades

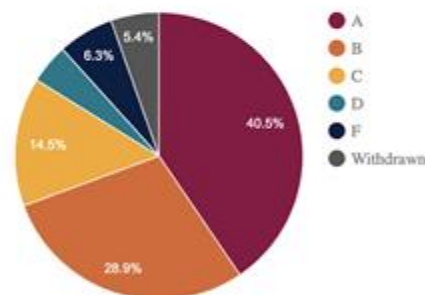


Total AZCC Biology High School Dual Enrollments for 2018-19: 3,043

University Enrollments in Biology 100 or 200-Level Courses (DE Cohort Only): 842

In 2018-19, there were 3,043 enrollments in a Biology high school dual enrollment course for Arizona Statewide. Those students were tracked in the ASSIST data warehouse, and some went on to take a 100 or 200-level Biology course at ASU, NAU or UA, resulting in 842 enrollments from Fall 2019-Fall 2020. This chart represents the grades awarded to the students in a university Biology course, who first took Biology as a dual enrollment course in high school.

University - All Students - Biology Grades



University Enrollments in Biology 100 or 200-Level Courses (All Students): 62,563

From Fall 2018-Fall 2020, there were 62,563 enrollments in a 100 or 200-level Biology course at ASU, NAU or UA which resulted in a letter grade or withdrawal. This chart represents the grades awarded to students at the Arizona public universities in 100 or 200-level Biology courses from Fall 2018-Fall 2020. Grade Codes excluded from this report include: AU, I, IP, NA, NR, P

A catalog of course prefixes used at each institution can be found [here](#).

## 2017 GRADUATES

1898

Students Attended  
AZ Community College

## STATUS

435

23% of students  
attended at least two  
semesters full time

1463

77% of students  
attended part time

## FINANCIAL AID

832

44% of students  
received financial aid

## GENDER

1001 /  
88653% of students are  
female, 47% of students  
are male. Gender  
information not  
available for 11  
students.AZ COMMUNITY COLLEGE  
DEGREES AWARDED  
TO 2017 GRADS

Liberal Arts and Sciences, General Studies and Humanities	115
Business, Management, Marketing, and Related Support Service	20
Physical Sciences	13
Computer and Information Sciences and Support Services	6
Security and Protective Services	5
Health Professions and Related Clinical Sciences	5
Visual and Performing Arts	4
Education	4
Legal Professions and Studies	1

Some students earned more than one degree. Most recent data available is Summer 2020.

AZ COMMUNITY COLLEGE  
CERTIFICATES AWARDED  
TO 2017 GRADS

Nursing Assistant/Aide and Patient Care Assistant/Aide	6
Solar Energy Technology/Technician	3
Computer Software Technology/Technician	2
Emergency Medical Technology/Technician (EMT Paramedic)	2
Medical Office Assistant/Specialist	1
Fire Science/Firefighting	1
Health Services/Allied Health/Health Sciences, General	1

Some students earned more than one certificate.

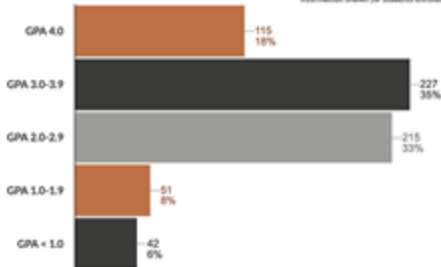
TOP 10 ARIZONA  
COMMUNITY COLLEGES  
ATTENDED BY 2017 GRADS

Glendale Community College	1682
Rio Salado College	301
GateWay Community College	190
Estrella Mountain Community College	122
Paradise Valley Community College	102
Phoenix College	100
Mesa Community College	62
Scottsdale Community College	44
Coconino Community College	33
South Mountain Community College	19

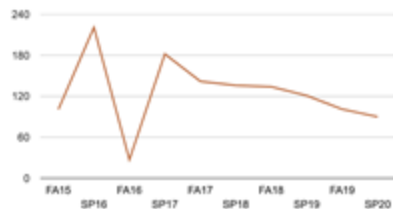
Some students attended more than one college.

## GPA RANGE - SPRING 2019

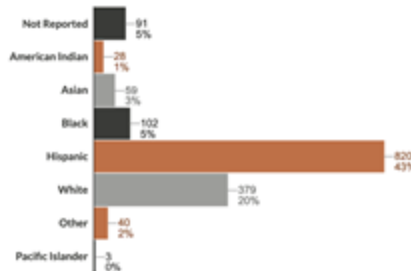
Information shown for students enrolled during Spring 2019.



## ENROLLMENT BY SEMESTER

Community College Enrollment starting Junior year of high school.  
Summer enrollment not included.

## RACE/ETHNICITY



The Community College Feedback dashboard reports information on a cohort of graduates from a single year from a high school or district, and tracks enrollment trends to all Arizona public community colleges. This report includes breakouts on GPA, Financial Aid, Degrees Awarded, Certificates Awarded and demographic information.

In this example, we are tracking the 2017 high school graduates from Sample High School District.



COMMUNITY COLLEGE COURSE BENCHMARK								
DISCIPLINE	ENROLLMENT HEADCOUNT	ENROLLMENT SUCCESS	ENROLLMENT SUCCESS %	AZ AVG SUCCESS %	UNSUCCESS COUNT	UNSUCCESS %	WITHDRAWAL COUNT	WITHDRAWAL %
Aeronautics Courses	21	19	90.5%	-0.5	1	4.8%	1	4.8%
Allied Health Courses	183	160	87.4%	+0.1	9	4.9%	14	7.7%
Art Courses	373	337	90.3%	+10.9	25	6.7%	11	2.9%
Automotive Courses	157	154	98.1%	+11.6	2	1.3%	1	.6%
Biology Courses	463	348	75.2%	-0.3	72	15.6%	43	9.3%
Building Construction Courses	92	77	83.7%	-4.1	5	5.4%	10	10.9%
Business Courses	90	72	80%	+1.1	9	10%	9	10%
Chemistry Courses	116	97	83.6%	+4.8	10	8.6%	9	7.8%
Computer Science Courses	128	83	64.8%	-10.6	19	14.8%	26	20.3%
Computers Courses	73	71	97.3%	+13.6	1	1.4%	1	1.4%
Early Childhood Courses	36	34	94.4%	+5.5	1	2.8%	1	2.8%
English Courses	1,035	822	79.4%	-0.4	134	12.9%	79	7.6%
Fire Science Courses	12	12	100%	+8.2	--	--	--	--
Geology Courses	15	15	100%	+13.0	--	--	--	--
History Courses	352	308	87.5%	+5.6	36	10.2%	8	2.3%
Hospitality Courses	138	128	92.8%	+2.4	2	1.4%	8	5.8%
Justice Studies Courses	149	126	84.6%	+5.4	21	14.1%	2	1.3%
Math Courses	907	669	73.8%	+2.1	141	15.5%	97	10.7%
Other Courses	189	181	95.8%	+12.5	6	3.2%	2	1.1%
Physics Courses	146	135	92.5%	+7.0	1	.7%	10	6.8%
Psychology Courses	54	47	87.0%	+8.0	5	9.3%	2	3.7%
Spanish Courses	60	48	80%	-8.8	6	10%	6	10%
Welding Courses	131	123	93.9%	+3.3	4	3.1%	4	3.1%

## 2019 GRADUATES

768

Students Attended  
Arizona Universities

## STATUS

725

94% of students  
attended at least two  
semesters full time

43

6% of students  
attended part time

## COMMUNITY COLLEGE

488

64% of students had  
transfer credits from an  
AZ community college

## GENDER

417 / 350

54% of students are  
female, 46% of students  
are male. Gender  
information not  
available for 1 students.ARIZONA PUBLIC  
UNIVERSITIES  
ATTENDED BY 2019 GRADS

Arizona State University	475
Northern Arizona University	94
University of Arizona	230

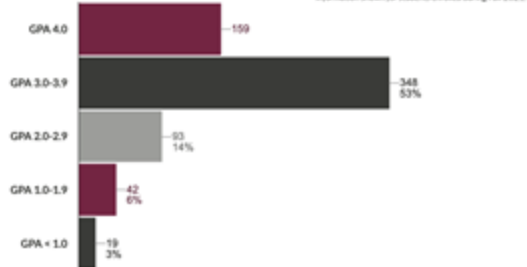
Some students attended more than one university.

ARIZONA UNIVERSITY  
MAJORS  
AS OF SPRING 2021

Bachelor of Science	297
Bachelor of Arts	150
Bachelor of Science in Engineering	33
Bachelor of Fine Arts	20
Bachelor of Science in Design	12
Bachelor of Science in Business Administration	12
Bachelor of Arts in Education	11
Bachelor of Science in Health Sciences	9
Bachelor of Science in Nursing	9
Bachelor of Science in Education	7
Undecided/Undeclared	6
Bachelor of Science in Optical Sciences and Engineering	3
Bachelor of Science in Aerospace Engineering	2
Bachelor of Architecture	2
Bachelor of Science in Biomedical Engineering	2
Bachelor of Social Work	2
Bachelor of Science in Chemical Engineering	2
Bachelor of General Studies	2
Bachelor of Science in Electrical and Computer Engineering	2
Bachelor of Global Management	1
Bachelor of Science in Landscape Architecture	1
Bachelor of Science in Biosystems Engineering	1
Bachelor of Science in Computer Science	1
Bachelor of Science in Planning	1
Bachelor of Landscape Architecture	1
Bachelor of Music	1
Preparation	1
Bachelor of Science in Materials Science and Engineering	1
Bachelor of Science in Journalism	1

## GPA RANGE - FALL 2021

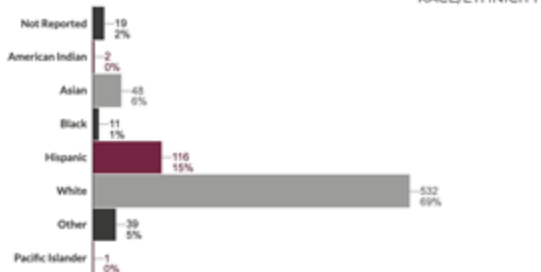
Information shown for students enrolled during Fall 2021.



## ENROLLMENT BY SEMESTER

University Enrollment starting Fall 2019  
Summer enrollment not included.

## RACE/ETHNICITY



The University Feedback dashboard reports information on a cohort of graduates from a single year from a high school or district, and tracks enrollment trends to ASU, NAU or UArizona. This report includes breakouts on GPA, Declared Major, Enrollment Status, summary of Arizona community college transfer credits and demographic information.

In this example, we are tracking the 2019 high school graduates from Sample High School District.

UNIVERSITY COURSE BENCHMARK								
DISCIPLINE	ENROLLMENT HEADCOUNT	ENROLLMENT SUCCESS	ENROLLMENT SUCCESS %	AZ AVG SUCCESS %	UNSUCCESS COUNT	UNSUCCESS %	WITHDRAWAL COUNT	WITHDRAWAL %
Art 100 & 200-Level	199	178	89.4%	+0.8	13	6.5%	8	4.0%
Biology 100 & 200-Level	766	660	86.2%	+2.2	71	9.3%	35	4.6%
Business 100 & 200-Level	227	203	89.4%	+7.5	16	7.0%	8	3.5%
Chemistry 100 & 200-Level	628	560	89.2%	+3.8	34	5.4%	34	5.4%
Chinese 100 & 200-Level	12	11	91.7%	+2.6	1	8.3%	--	--
Communication 100 & 200-Level	107	96	89.7%	+0.0	8	7.5%	3	2.8%
Computer Science 100 & 200-Level	191	149	78.0%	-4.4	31	16.2%	11	5.8%
Engineering 100 & 200-Level	71	67	94.4%	-0.3	1	1.4%	3	4.2%
English 100 & 200-Level	492	437	88.8%	+0.8	30	6.1%	25	5.1%
French 100 & 200-Level	27	24	88.9%	+2.2	1	3.7%	2	7.4%
Geology 100 & 200-Level	162	141	87.0%	-1.4	15	9.3%	6	3.7%
German 100 & 200-Level	16	14	87.5%	+0.5	2	12.5%	--	--
History 100 & 200-Level	69	58	84.1%	+1.4	6	8.7%	5	7.2%
Italian 100 & 200-Level	12	11	91.7%	+4.9	1	8.3%	--	--
Japanese 100 & 200-Level	24	24	100%	+14.1	--	--	--	--
Journalism 100 & 200-Level	36	35	97.2%	+6.5	1	2.8%	--	--
Justice Studies 100 & 200-Level	79	65	82.3%	-3.7	9	11.4%	5	6.3%
Math 100 & 200-Level	715	567	79.3%	+2.5	103	14.4%	45	6.3%
Music 100 & 200-Level	87	82	94.3%	+5.3	1	1.1%	4	4.6%
Philosophy 100 & 200-Level	123	104	84.6%	+2.6	11	8.9%	8	6.5%
Physics 100 & 200-Level	162	153	94.4%	+6.6	7	4.3%	2	1.2%
Political Science 100 & 200-Level	99	83	83.8%	-2.8	13	13.1%	3	3.0%
Psychology 100 & 200-Level	362	336	92.8%	+4.2	16	4.4%	10	2.8%
Sociology 100 & 200-Level	118	108	91.5%	+4.3	7	5.9%	3	2.5%
Spanish 100 & 200-Level	182	173	95.1%	+5.7	5	2.7%	4	2.2%
Theatre Arts 100 & 200-Level	43	38	88.4%	-2.0	3	7.0%	2	4.7%

# **What questions are we asking high schools?**

- **Seeing these reports, what initially stands out to you?**
- **How do these reports confirm what you have been seeing in your own practice? What does not seem to match?**
- **Looking towards the remainder of this school year, what changes are warranted from these reports?**
- **Looking into 2022-23 & beyond, what changes are warranted from these reports?**
- **What's missing from these reports that would make them more useful to you?**

# Questions or comments?

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**[decisioncenter.asu.edu](http://decisioncenter.asu.edu)**