

2017 ANNUAL REPORT ON WAGES EARNED BY
ARIZONA UNIVERSITY SYSTEM GRADUATES



EDUCATE · DISCOVER · IMPACT

EXECUTIVE SUMMARY

Item Name: 2017 Annual Report on Wages Earned by Arizona University System Graduates

- Action Item
- Committee Recommendation to Full Board
- First Read of Proposed Policy Change
- Information or Discussion Item

Issue: The Committee will receive and discuss the 2017 Annual Report on Wages Earned by Arizona University System Graduates. In 2016, individuals who were awarded an undergraduate or graduate degree between 1990 and 2016 earned nearly \$17.25 billion in wages and paid approximately \$1.23 billion in state and local taxes

Enterprise Strategic Plan

- Empower Student Success and Learning
- Advance Educational Attainment within Arizona
- Create New Knowledge
- Impact Arizona
- Compliance
- Real property purchase/sale/lease
- Other:

Statutory/Policy Requirements

None

Background/History of Previous Board Action

- ▶ Measuring the value of a college degree, both to student and the state, has been difficult to quantify without detailed data on the earnings of individual students. Data are now available that match individual students to their earnings in Arizona. This report is intended to document the economic contribution of Arizona's universities to improving the skills of the local workforce and to generating higher incomes for graduates.

Discussion

- ▶ According to the US Census Bureau, 2016 American Community Survey, the median earnings in Arizona of an individual with a graduate degree were \$62,034 and for someone with a bachelor's degree their median earnings were \$50,479. By contrast, an individual in Arizona with some college, but no degree, had median earnings of \$34,251 and a high school graduate had median earnings of \$27,708.

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- ▶ So among other benefits, an undergraduate student working in Arizona has median earnings that are \$22,771 (82 percent) higher than a high school graduate. The median earnings of a graduate student were \$11,555 (23 percent) above those of a bachelor's degree recipient.
- ▶ And the gap is widening. In 2007, the median earnings of someone with a Bachelor's degree were 70 percent higher than someone with a high school diploma and someone with a graduate degree earned 23 percent more than someone with a Bachelor's degree.
- ▶ In 2016, 284,554 students who graduated from Arizona's public universities between 1989-1990 and 2015-16 earned nearly \$17.25 billion in wages in Arizona and paid an estimated \$1.23 billion in state and local taxes.
- ▶ Their annual average wage was \$60,608, as compared to an annual average of \$48,516 for all similar workers in Arizona. This is a difference of \$12,092 per graduate or 24.92 percent.

Requested Action

The 2017 report on Wages Earned by Arizona University System Graduates in 2016 is presented for the Committee's information and review.

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Key Findings

Wages Earned

In 2016, 284,554 students who graduated from Arizona’s public universities between 1989-1990 and 2015-16 earned nearly \$17.25 billion in wages in Arizona and paid an estimated \$1.23 billion in state and local taxes.

Their annual average wage was \$60,608, as compared to \$48,516 for all similar workers in Arizona. This is a difference of \$12,092 per graduate or 24.92 percent.

Undergraduate and Graduate Earnings

Individual students with graduate degrees earn varying amounts more than those with bachelor degrees.

- The median wage for recent Arizona State University graduate students who graduated from 2011-2012 through 2015-2016 was \$17,129 or 42 percent greater than the median wage for undergraduate students.
- At Northern Arizona University, the median wage difference was \$14,325 or 36 percent.
- At the University of Arizona, undergraduate and graduate median wages differed by \$21,650 or 59 percent.

**Table I
Median Wages for 2012-16 Undergraduate & Graduate Students in 2016**

	Undergraduate Students	Graduate Students	Difference
Arizona State University	\$40,665	\$57,794	\$17,129
Northern Arizona University	\$39,469	\$53,794	\$14,325
University of Arizona	\$36,876	\$58,526	\$21,650

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Earnings rise over time as well, with some variation by institution. As individuals gain more tenure and experience in their jobs, their wages rise. Impacting wages include the labor market in which the individual is employed, the occupation in which they work and the mix of degrees awarded by the institution. Wages tend to be higher in urban labor markets as compared to rural areas. Some fields such as education pay less than areas such as engineering or business. Yet clearly with all the differences, median wages rise over time.

The comparison below excludes the most recent graduating class of 2015-16. Many students who graduated in that year were students for much of the year and not in the labor market.

**Table II
 Median Wages in 2016 for Bachelor Degree Recipients
 2015 Graduates Compared to 1991 Graduates**

	Median Wages of a Resident 2015 Bachelor's Graduate	Median Wages of a Resident 1991 Bachelor's Graduate	Difference
Arizona State University	\$38,610	\$75,811	\$37,201 (96%)
Northern Arizona University	\$38,750	\$65,435	\$26,685 (69%)
University of Arizona	\$33,604	\$73,181	\$39,577 (118%)

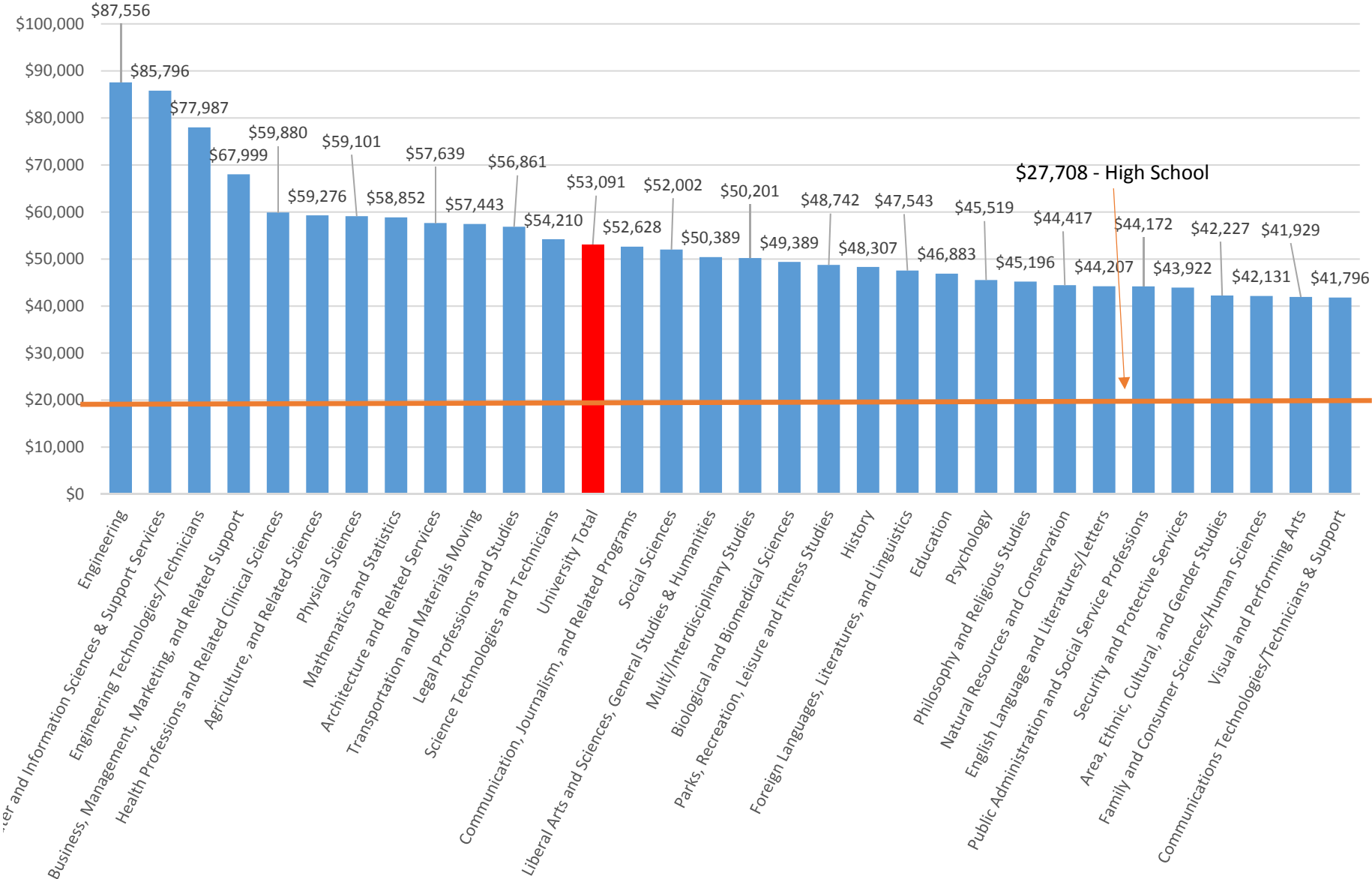
Over time, employment of university graduates declines in Arizona. For resident undergraduates, nearly 75 percent are employed following graduation. This falls to below 42 percent for 1990 graduates. For resident graduate students, over 72 percent are employed following graduation, falling to less than 33 percent for 1990 graduates.

The next page contains a graph of 2016 wages earned in Arizona by undergraduate students from the class of 1990-91 through the class of 2015-16 by major as compared to the earnings of those in Arizona with a high school diploma. Earnings range from \$87,556 for those with an engineering major to \$41,796 for those with a major in Communications Technologies/Technicians & Support. By comparison the average earnings of someone with a high school diploma were \$27,708 in 2016.

A more in-depth analysis is provided on the following pages which includes a summary for each institution.

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Median Wages of Undergraduates in 2016



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**Wages Earned by Graduates in 2015
Overview**

Population

This report provides an analysis of Arizona University System graduates working in Arizona in 2016 who graduated between 1990-1991 and 2015-2016.

In this report, wages earned come from employer records maintained by the unemployment insurance program of the Arizona Department of Economic Security. The data are only for those individuals working in Arizona who receive a wage from an employer. This excludes those who are self-employed or work outside the state.

The report is also limited to those graduates who received their degree between 1989-1990 and 2015-2016 and for whom the universities had a social security number for matching purposes. Some students are excluded because there were no social security numbers available for matching purposes. Records for graduates before 1989-1990 were excluded because of questionable data quality and quantity. The median wages for 2015-16 graduates under-report as an equivalent annual wage as the wages reported for some students will include wages only for a partial year and/or for wages earned while a student.

An important responsibility of the universities is to prepare students for employment in the local workforce. Two aspects of that preparation are the areas where degrees are awarded and the wages earned by those individuals.

Undergraduate Employment and Median Wages

In 2016, 202,857 undergraduate students who received their degree between 1990-1991 and 2015-2016 had employment in Arizona, earning a total of \$11.3 billion in wages for an average wage of \$55,570. The largest instructional areas where those students are employed (2012-16) and their median wages are contained in tables 1 and 2 below. The eight largest instructional areas accounted for 46,744 (63 percent) of those locally employed undergraduates. In these eight largest instructional areas, the highest median wage was recorded for engineering followed generally by computer and information sciences followed by business, management and marketing followed by health related professions at all three universities.

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**Table 1
 Largest Instructional Areas with Recent Undergraduate Students
 Earning Wages in Arizona (2012-16)**

	Arizona University System	Arizona State University	Northern Arizona University	University of Arizona
Business/Management/Marketing	11,304	6,782	2,365	2,157
Education	6,664	3,283	2,352	1,029
Health Professions and Related	5,477	2,398	1,892	1,187
Social Sciences	5,288	3,129	987	1,172
Biological/Biomedical Sciences	5,165	2,823	852	1,490
Psychology	4,724	2,695	693	1,336
Engineering	4,101	2,732	442	927
Communication & Journalism	4,021	2,899	571	551

**Table 2
 2016 Median Wages for Largest Instructional Areas with Recent
 Undergraduate Students Earning Wages in Arizona (2012-16)**

	Arizona State University	Northern Arizona University	University of Arizona
Business/Management/Marketing	\$47,813	\$43,471	\$47,832
Education	\$41,048	\$39,961	\$38,114
Health Professions and Related	\$54,003	\$54,990	\$35,046
Social Sciences	\$38,870	\$33,370	\$35,420
Biological/Biomedical Sciences	\$31,025	\$27,531	\$29,132
Psychology	\$34,239	\$29,899	\$32,003
Engineering	\$61,457	\$56,613	\$63,553
Communication & Journalism	\$38,786	\$33,382	\$36,386

Graduate Employment and Median Wages

In 2016, 77,426 graduate students who received a degree between 1991 and 2016 had employment in Arizona, earning a total of \$5.6 billion in wages for an average wage of \$72,472. The largest instructional areas where those students are employed and their median wages are contained in tables 3 and 4 below. Education has significantly more graduate students employed in Arizona than any other area. Engineering had the highest median wage for these large graduate instructional areas at Northern Arizona University. At Arizona State University, the highest median wage was for engineering, with business/management/marketing graduate students close behind. At the University of Arizona, the same was true with the highest median wage for engineering followed by business/management/marketing.

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**Table 3
 Largest Instructional Areas with Recent Graduate Students
 Earning Wages in Arizona (2012-16)
 Arizona University System**

	Arizona University System	Arizona State University	Northern Arizona University	University of Arizona
Education	6,844	2,929	3,125	790
Business/Management/Marketing	3,766	2,488	569	709
Health Professions & Related	2,652	592	598	1,462
Engineering	1,763	1,432	32	299
Public Admin. & Social Service	1,625	1,494	29	102
Legal Professions	1,247	819		428

**Table 4
 2016 Median Wages for Largest Instructional Areas with Recent
 Graduate Students Earning Wages in Arizona (2012-16)
 Arizona University System**

	Arizona State University	Northern Arizona University	University of Arizona
Education	\$48,168	\$51,484	\$45,818
Business/Management/Marketing	\$81,800	\$68,592	\$76,011
Health Professions & Related	\$73,333	\$70,254	\$68,618
Engineering	\$82,062	\$73,090	\$81,365
Public Admin. & Social Service	\$47,444	\$56,355	\$48,840
Legal Professions	\$68,685		\$61,963

Tables 5 through 10 provide information on the number of recent undergraduate and graduate students who are working in Arizona and their median wages. For each university, separate tables are provided for undergraduate students and graduate students in the top ten instructional areas.

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Table 5
Largest Instructional Areas with Recent Undergraduate Students (2012-16)
Earning Wages in 2016 in Arizona
Arizona State University

	Wage Earners	Median Wage
Business, Management, Marketing	6,782	\$47,813
Education	3,283	\$41,048
Social Sciences	3,129	\$38,870
Communication/Journalism	2,899	\$38,786
Biological and Biomedical Sciences	2,823	\$31,025
Engineering	2,732	\$61,457
Psychology	2,695	\$34,239
Health Professions and Related	2,398	\$54,003
Multi/Interdisciplinary Studies	6,782	\$47,813
Visual and Performing Arts	3,283	\$41,048

Table 6
Largest Instructional Areas with Recent Graduate Students (2012-16)
Earning Wages in 2016 in Arizona
Arizona State University

	Wage Earners	Median Wage
Education	2,929	\$48,168
Business, Management, Marketing	2,488	\$81,800
Public Administration and Social Service	1,494	\$47,444
Engineering	1,432	\$82,062
Legal Professions and Studies	819	\$68,685
Health Professions and Related	592	\$73,333
Visual and Performing Arts	357	\$34,849
Architecture and Related Services	307	\$52,414
Computer and Information Sciences	302	\$87,524
Family and Consumer Sciences	250	\$39,599

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Table 7
Largest Instructional Areas with Recent Undergraduate Students (2012-16)
Earning Wages in 2016 in Arizona
Northern Arizona University

	Wage Earners	Median Wage
Business, Management, Marketing	2,365	\$43,471
Education	2,352	\$39,961
Liberal Arts and Sciences	1,904	\$41,494
Health Professions and Related	1,892	\$54,990
Social Sciences	987	\$33,370
Biological and Biomedical Sciences	852	\$27,531
Psychology	693	\$29,899
Communication, Journalism, and Related	571	\$33,382
Visual and Performing Arts	501	\$29,675
Science Technologies and Technicians	456	\$43,385

Table 8
Largest Instructional Areas with Recent Graduate Students (2012-16)
Earning Wages in 2016 in Arizona
Northern Arizona University

	Wage Earners	Median Wage
Education	3,125	\$51,484
Health Professions and Related	598	\$70,254
Business, Management, Marketing	569	\$68,592
English Language and Literatures/Letters	232	\$45,996
Psychology	106	\$50,881
Social Sciences	90	\$42,420
Natural Resources and Conservation	48	\$43,583
Biological and Biomedical Sciences	47	\$44,505
Communication, Journalism, and Related	35	\$44,915
Physical Sciences	33	\$49,853

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Table 9
Largest Instructional Areas with Recent Undergraduate Students (2012-16)
Earning Wages in 2016 in Arizona
University of Arizona

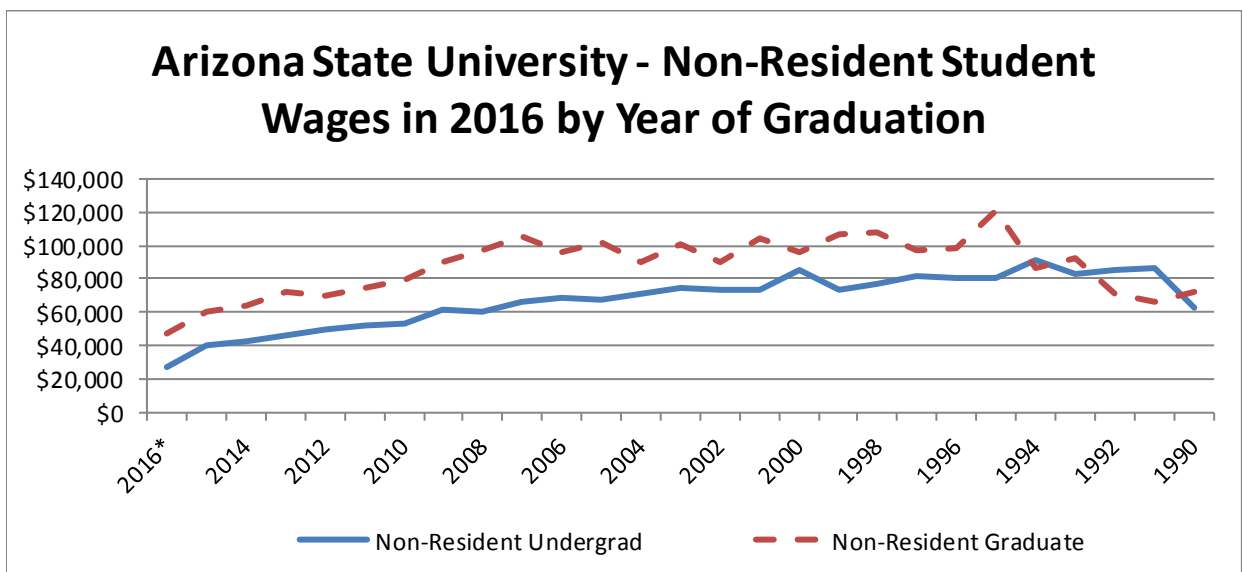
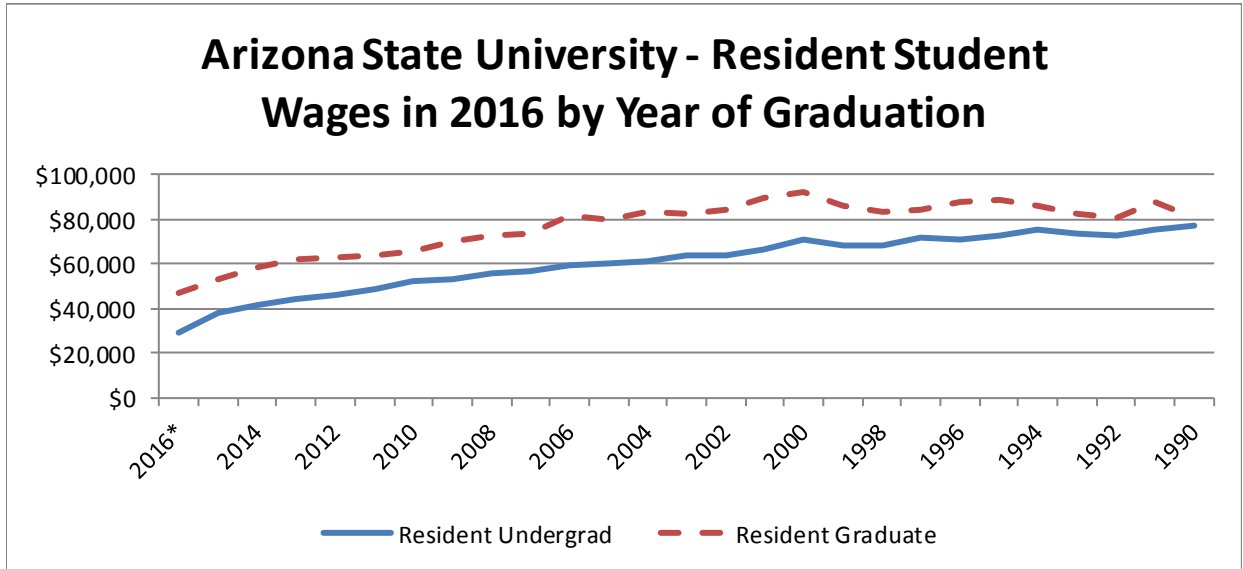
	Wage Earners	Median Wage
Business, Management, Marketing	2,157	\$47,832
Biological and Biomedical Sciences	1,490	\$29,132
Psychology	1,336	\$32,003
Health Professions and Related	1,187	\$35,046
Social Sciences	1,172	\$35,420
Education	1,029	\$38,114
Engineering	927	\$63,553
Multi/Interdisciplinary Studies	904	\$31,918
Visual and Performing Arts	619	\$26,403
Communication, Journalism, and Related	551	\$36,386

Table 10
Largest Instructional Areas with Recent Graduate Students (2012-16)
Earning Wages in 2015 in Arizona
University of Arizona

	Wage Earners	Median Wage
Health Professions and Related	1,462	\$68,618
Education	790	\$45,818
Business, Management, Marketing	709	\$76,011
Legal Professions and Studies	428	\$61,963
Engineering	299	\$81,365
Library Science	239	\$40,438
Social Sciences	220	\$50,856
Physical Sciences	171	\$73,306
Biological and Biomedical Sciences	154	\$57,000
Computer and Information Sciences	132	\$76,017

Appendix – Arizona State University

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Arizona State University

CIP Code Description	Bachelors		Median Wages in 2016
	Degrees Awarded 2012-2016	Number Working in 2016	
Agriculture, and Related Sciences	173	91	\$38,323
Natural Resources and Conservation	612	342	\$38,666
Architecture and Related Services	833	491	\$41,000
Area, Ethnic, Cultural, and Gender Studies	260	172	\$34,115
Communication, Journalism, and Related Programs	5,099	2,899	\$38,786
Communications Technologies/Technicians & Support	250	157	\$38,448
Computer and Information Sciences & Support Services	1,663	1,149	\$64,139
Personal and Culinary Services			
Education	3,909	3,283	\$41,048
Engineering	4,602	2,732	\$61,457
Engineering Technologies/Technicians	485	326	\$60,704
Foreign Languages, Literatures, and Linguistics	672	372	\$34,934
Family and Consumer Sciences/Human Sciences	2,613	1,663	\$33,206
Legal Professions and Studies	725	451	\$37,685
English Language and Literatures/Letters	1,741	1,050	\$34,107
Liberal Arts and Sciences, General Studies & Humanities	849	325	\$43,727
Library Science			
Biological and Biomedical Sciences	4,618	2,823	\$31,025
Mathematics and Statistics	623	330	\$45,427
ROTC			
Military Technologies			
Multi/Interdisciplinary Studies	3,849	2,288	\$39,922
Parks, Recreation, Leisure and Fitness Studies	2,138	1,441	\$31,615
Philosophy and Religious Studies	353	203	\$35,230
Theology and Religious Vocations			
Physical Sciences	532	293	\$39,771
Science Technologies and Technicians	556	375	\$56,166
Psychology	4,318	2,695	\$34,239
Security and Protective Services	2,532	1,690	\$36,654
Public Administration and Social Service Professions	1,238	963	\$35,476
Social Sciences	5,890	3,129	\$38,870
Construction Trades			
Mechanic and Repair Technologies/Technicians			
Precision Production			
Transportation and Materials Moving	311	174	\$34,995
Visual and Performing Arts	3,790	2,192	\$31,815
Health Professions and Related Clinical Sciences	3,551	2,398	\$54,003
Business, Management, Marketing, and Related Support	11,508	6,782	\$47,813
History	1,122	569	\$37,009
University Total	71,415	43,848	\$40,665

Notes:

Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.

All income is from calendar year 2015.

Cells blackened indicate an N of less than 6.

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Arizona State University

CIP Code Description	Graduate		Median Wages in 2016
	Degrees Awarded 2012-2016	Number Working in 2016	
Agriculture, and Related Sciences	62	26	\$64,074
Natural Resources and Conservation	183	84	\$58,244
Architecture and Related Services	646	307	\$52,414
Area, Ethnic, Cultural, and Gender Studies	26	15	\$32,522
Communication, Journalism, and Related Programs	461	208	\$42,401
Communications Technologies/Technicians & Support			
Computer and Information Sciences & Support Services	1,112	302	\$87,524
Personal and Culinary Services			
Education	5,376	2,929	\$48,168
Engineering	4,294	1,432	\$82,062
Engineering Technologies/Technicians	466	222	\$74,431
Foreign Languages, Literatures, and Linguistics	142	73	\$38,467
Family and Consumer Sciences/Human Sciences	402	250	\$39,599
Legal Professions and Studies	1,294	819	\$68,685
English Language and Literatures/Letters	259	135	\$45,300
Liberal Arts and Sciences, General Studies & Humanities	294	144	\$44,875
Library Science			
Biological and Biomedical Sciences	415	183	\$51,430
Mathematics and Statistics	202	83	\$70,652
ROTC			
Military Technologies			
Multi/Interdisciplinary Studies	265	134	\$50,289
Parks, Recreation, Leisure and Fitness Studies	108	52	\$43,719
Philosophy and Religious Studies	129	61	\$48,151
Theology and Religious Vocations			
Physical Sciences	322	108	\$61,442
Science Technologies and Technicians			
Psychology	518	193	\$61,919
Security and Protective Services	666	228	\$50,403
Public Administration and Social Service Professions	2,056	1,494	\$47,444
Social Sciences	532	190	\$53,985
Construction Trades			
Mechanic and Repair Technologies/Technicians			
Precision Production			
Transportation and Materials Moving			
Visual and Performing Arts	883	357	\$34,849
Health Professions and Related Clinical Sciences	973	592	\$73,333
Business, Management, Marketing, and Related Support	5,819	2,488	\$81,800
History	103	41	\$45,839
University Total	28,008	13,150	\$57,794

Notes:

Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.

All income is from calendar year 2015.

Cells blackened indicate an N of less than 6.

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Arizona State University

Year Graduated	Resident Undergraduates						Non-Resident Undergraduates							
	Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	4,113	1,519	36.9%	\$134,492,955	\$9,461,501	1,211	\$76,758	915	99	10.8%	\$8,702,798	\$614,115	80	\$62,373
1991	4,280	1,814	42.4%	\$166,140,552	\$11,686,626	1,480	\$75,811	993	113	11.4%	\$10,617,006	\$743,531	92	\$86,994
1992	4,347	1,862	42.8%	\$157,061,593	\$11,057,822	1,545	\$72,938	1,000	111	11.1%	\$10,883,003	\$765,718	95	\$84,933
1993	4,500	1,918	42.6%	\$161,616,544	\$11,388,549	1,588	\$73,791	1,152	147	12.8%	\$13,862,088	\$970,639	123	\$82,832
1994	4,538	2,070	45.6%	\$179,595,928	\$12,626,258	1,742	\$75,538	1,084	156	14.4%	\$16,567,304	\$1,157,580	126	\$91,667
1995	4,737	2,268	47.9%	\$187,838,884	\$13,224,877	1,834	\$72,375	1,004	137	13.6%	\$14,916,693	\$1,047,254	115	\$80,599
1996	4,855	2,342	48.2%	\$186,454,234	\$13,142,304	1,965	\$71,228	941	134	14.2%	\$11,412,348	\$800,969	110	\$80,894
1997	4,975	2,484	49.9%	\$197,860,233	\$13,922,545	2,041	\$72,067	1,130	181	16.0%	\$18,582,378	\$1,306,680	152	\$81,643
1998	5,147	2,682	52.1%	\$206,674,707	\$14,581,076	2,216	\$68,448	1,443	214	14.8%	\$17,597,062	\$1,239,460	171	\$77,338
1999	5,125	2,635	51.4%	\$199,436,310	\$14,065,177	2,160	\$67,869	1,475	240	16.3%	\$20,383,325	\$1,432,899	194	\$73,883
2000	5,413	2,885	53.3%	\$222,489,056	\$15,670,546	2,398	\$70,900	1,620	285	17.6%	\$25,225,888	\$1,772,326	234	\$85,537
2001	5,292	2,824	53.4%	\$205,523,271	\$14,508,305	2,319	\$66,425	1,548	250	16.1%	\$21,958,238	\$1,534,207	206	\$73,985
2002	5,684	3,110	54.7%	\$224,099,999	\$15,803,163	2,581	\$63,844	1,438	247	17.2%	\$21,019,666	\$1,480,895	197	\$73,949
2003	6,009	3,303	55.0%	\$231,570,425	\$16,352,812	2,728	\$63,666	1,518	275	18.1%	\$23,466,047	\$1,646,018	237	\$74,068
2004	6,403	3,625	56.6%	\$243,070,674	\$17,187,471	3,000	\$61,097	1,574	283	18.0%	\$22,027,674	\$1,552,717	227	\$71,611
2005	6,781	3,891	57.4%	\$249,536,788	\$17,644,313	3,228	\$60,067	1,727	306	17.7%	\$21,865,581	\$1,544,632	242	\$67,848
2006	7,032	4,140	58.9%	\$261,308,593	\$18,548,479	3,357	\$59,668	1,692	290	17.1%	\$20,165,239	\$1,419,399	233	\$68,404
2007	7,151	4,226	59.1%	\$255,477,132	\$18,140,067	3,464	\$56,723	1,744	338	19.4%	\$23,060,583	\$1,633,207	268	\$65,802
2008	7,421	4,346	58.6%	\$252,227,732	\$17,929,339	3,612	\$55,698	1,897	328	17.3%	\$19,866,592	\$1,415,056	258	\$59,925
2009	7,654	4,512	58.9%	\$244,739,470	\$17,428,681	3,680	\$53,257	2,049	338	16.5%	\$19,670,757	\$1,396,324	251	\$61,510
2010	8,242	5,135	62.3%	\$262,521,942	\$18,777,936	4,132	\$52,226	2,055	381	18.5%	\$20,752,406	\$1,479,672	308	\$53,743
2011	8,508	5,413	63.6%	\$264,166,158	\$18,980,030	4,317	\$48,991	2,114	418	19.8%	\$19,977,518	\$1,442,453	301	\$52,561
2012	9,100	5,990	65.8%	\$263,241,374	\$19,046,654	4,720	\$45,860	2,243	463	20.6%	\$21,840,795	\$1,566,464	335	\$50,150
2013	9,562	6,551	68.5%	\$270,736,468	\$19,796,043	5,085	\$44,300	2,497	536	21.5%	\$22,963,896	\$1,673,795	405	\$46,000
2014	9,691	6,900	71.2%	\$266,662,380	\$19,725,884	5,307	\$41,444	3,056	682	22.3%	\$25,701,796	\$1,905,839	486	\$43,100
2015	10,015	7,578	75.7%	\$263,533,894	\$19,929,847	5,759	\$38,610	3,486	950	27.3%	\$30,778,361	\$2,365,574	648	\$39,828
2016*	10,302	8,343	81.0%	\$207,630,609	\$17,648,635	5,093	\$28,933	4,027	1,179	29.3%	\$22,116,210	\$2,005,870	499	\$27,434
TOTAL	176,877	104,366	59.0%	\$5,965,707,904	\$428,250,939	82,562	\$52,951	47,422	9,081	19.1%	\$525,981,255	\$37,913,295	6,593	\$55,000

Notes:
 Degree recipients are included in only one student grouping and one graduation year based upon their highest degree awarded.
 All income is from calendar year 2016.
 Estimated Arizona state tax revenue assumes the following rates and income levels: <= \$25k = 12.6%; >\$25k and <=\$75k = 6.8%; >\$75k and <=\$100k = 7.2%; >\$100k = 6.9%.
 * Many of these students were working before graduating and/or worked for less than a year.

EXECUTIVE SUMMARY

Arizona State University

Year Graduated	Resident Graduates						Non-Resident Graduates							
	Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	1,111	368	33.1%	\$36,149,632	\$2,550,423	277	\$80,864	615	78	12.7%	\$8,238,414	\$584,095	62	\$72,042
1991	1,328	447	33.7%	\$44,977,924	\$3,161,034	337	\$88,053	527	60	11.4%	\$4,277,558	\$303,530	47	\$66,680
1992	1,248	464	37.2%	\$50,722,783	\$3,569,649	354	\$80,341	509	48	9.4%	\$3,482,305	\$250,462	38	\$71,594
1993	1,416	556	39.3%	\$53,171,866	\$3,742,766	434	\$82,076	592	48	8.1%	\$4,699,633	\$329,635	38	\$92,791
1994	1,538	615	40.0%	\$59,804,239	\$4,207,045	469	\$85,681	594	38	6.4%	\$3,666,952	\$254,649	28	\$86,806
1995	1,711	715	41.8%	\$72,466,252	\$5,084,641	560	\$88,925	648	52	8.0%	\$6,288,569	\$439,162	45	\$121,081
1996	1,630	727	44.6%	\$74,868,358	\$5,242,477	574	\$87,858	640	65	10.2%	\$6,636,462	\$460,425	54	\$98,506
1997	1,718	741	43.1%	\$74,181,636	\$5,201,185	581	\$84,554	752	105	14.0%	\$10,818,626	\$755,534	87	\$97,327
1998	1,767	780	44.1%	\$78,899,312	\$5,526,472	627	\$83,774	768	109	14.2%	\$12,532,360	\$870,900	99	\$107,669
1999	1,844	875	47.5%	\$88,269,155	\$6,191,884	710	\$86,085	793	98	12.4%	\$10,966,313	\$763,832	79	\$106,130
2000	1,780	846	47.5%	\$88,119,929	\$6,163,305	682	\$92,431	852	128	15.0%	\$13,504,333	\$946,848	110	\$96,012
2001	1,705	805	47.2%	\$85,873,584	\$6,012,327	642	\$90,000	857	111	13.0%	\$11,140,862	\$775,217	88	\$104,791
2002	1,972	1,025	52.0%	\$98,505,457	\$6,910,434	820	\$84,014	817	115	14.1%	\$10,492,436	\$736,580	90	\$90,565
2003	2,045	1,097	53.6%	\$108,624,500	\$7,598,148	884	\$82,819	929	138	14.9%	\$13,793,642	\$966,492	110	\$100,273
2004	2,009	1,075	53.5%	\$101,878,940	\$7,126,693	894	\$83,434	1,126	190	16.9%	\$17,369,553	\$1,226,076	148	\$89,511
2005	1,981	1,090	55.0%	\$99,558,927	\$6,971,049	900	\$80,006	882	131	14.9%	\$12,929,678	\$900,515	106	\$101,349
2006	1,891	1,085	57.4%	\$102,774,328	\$7,183,315	890	\$81,938	1,091	162	14.8%	\$14,817,391	\$1,036,796	137	\$95,855
2007	2,059	1,171	56.9%	\$99,525,117	\$6,966,696	973	\$73,614	1,156	162	14.0%	\$18,503,137	\$1,291,434	136	\$105,109
2008	2,331	1,366	58.6%	\$117,719,566	\$8,246,860	1,149	\$72,757	1,147	173	15.1%	\$16,169,685	\$1,133,086	139	\$97,538
2009	2,463	1,536	62.4%	\$119,399,246	\$8,367,835	1,256	\$70,436	1,693	276	16.3%	\$24,856,638	\$1,744,157	222	\$89,862
2010	2,702	1,724	63.8%	\$123,269,464	\$8,676,629	1,423	\$65,968	1,600	290	18.1%	\$24,824,488	\$1,745,777	242	\$79,325
2011	2,778	1,766	63.6%	\$124,247,958	\$8,748,528	1,483	\$63,474	1,753	337	19.2%	\$25,344,940	\$1,788,001	254	\$74,195
2012	2,655	1,742	65.6%	\$115,052,487	\$8,107,372	1,443	\$62,542	1,921	394	20.5%	\$28,856,160	\$2,025,742	303	\$70,004
2013	2,733	1,915	70.1%	\$120,792,074	\$8,518,464	1,555	\$61,975	2,131	429	20.1%	\$31,016,439	\$2,188,807	330	\$72,528
2014	2,691	1,946	72.3%	\$120,204,858	\$8,472,295	1,556	\$58,610	2,579	533	20.7%	\$33,321,449	\$2,370,205	410	\$64,500
2015	2,758	2,087	75.7%	\$114,002,095	\$8,108,829	1,642	\$53,505	3,329	708	21.3%	\$40,148,939	\$2,874,764	530	\$60,062
2016*	2,806	2,257	80.4%	\$98,059,509	\$7,352,231	1,387	\$47,374	3,818	846	22.2%	\$30,355,802	\$2,361,435	339	\$47,517
TOTAL	54,670	30,821	56.4%	\$2,471,119,194	\$174,008,586	24,502	\$70,000	34,119	5,824	17.1%	\$439,052,764	\$31,124,154	4,271	\$75,523

Notes:

Degree recipients are included in only one student grouping and one graduation year based upon their highest degree awarded.
 All income is from calendar year 2016.

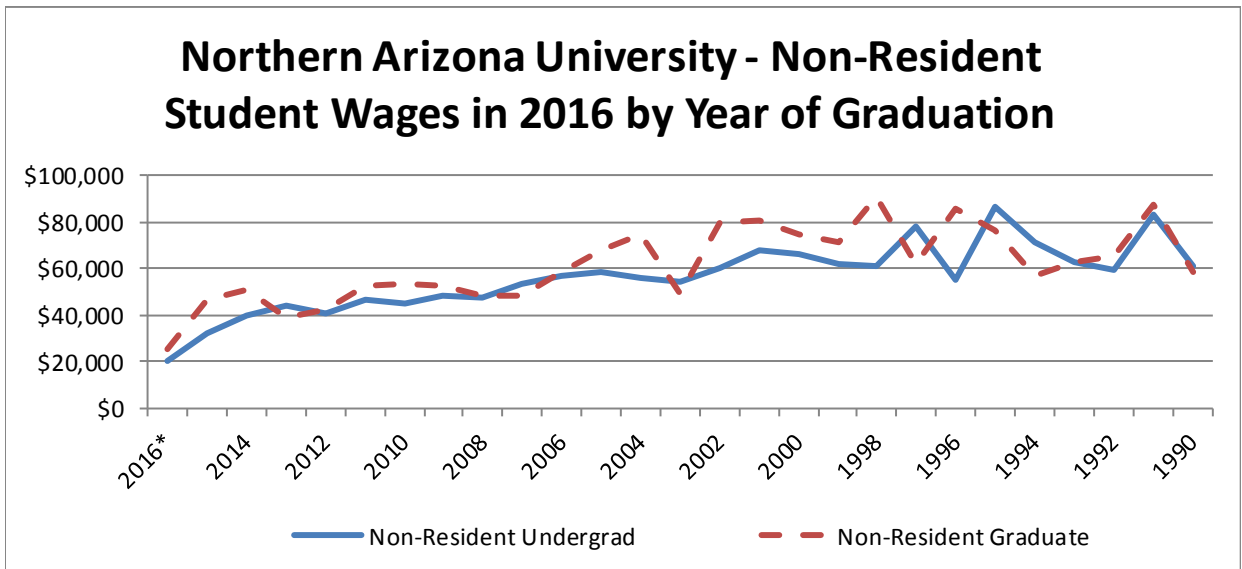
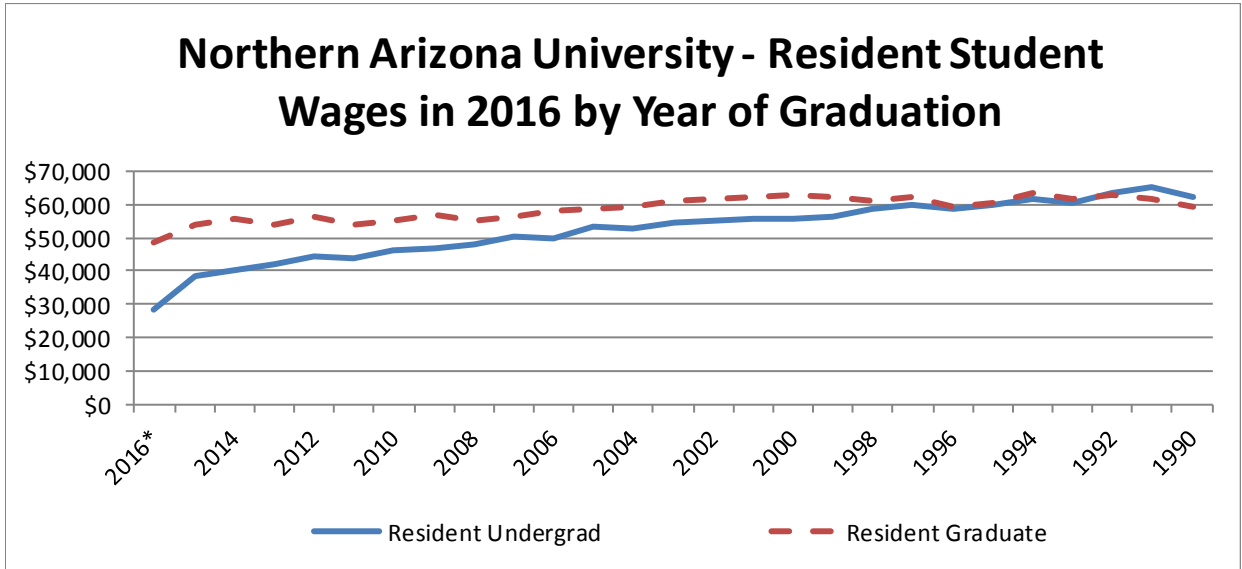
Estimated Arizona state tax revenue assumes the following rates and income levels: <= \$25k = 12.6%; >\$25k and <=\$75k = 6.8%; >\$75k and <=\$100k = 7.2%; >\$100k = 6.9%.

* Many of these students were working before graduating and/or worked for less than a year.

EXECUTIVE SUMMARY

Appendix – Northern Arizona University

EXECUTIVE SUMMARY



EXECUTIVE SUMMARY

Northern Arizona University

CIP Code Description	Bachelors		Median Wages in 2016
	Degrees Awarded 2012-2016	Number Working in 2016	
Agriculture, and Related Sciences	0	0	
Natural Resources and Conservation	496	255	\$28,838
Architecture and Related Services	0	0	
Area, Ethnic, Cultural, and Gender Studies	53	32	\$30,692
Communication, Journalism, and Related Programs	1,027	571	\$33,382
Communications Technologies/Technicians & Support	0	0	
Computer and Information Sciences & Support Servic	150	79	\$64,913
Personal and Culinary Services	0	0	
Education	2,932	2,352	\$39,961
Engineering	864	442	\$56,613
Engineering Technologies/Technicians	0	0	
Foreign Languages, Literatures, and Linguistics	166	109	\$30,200
Family and Consumer Sciences/Human Sciences	0	0	
Legal Professions and Studies	27	16	\$23,780
English Language and Literatures/Letters	367	216	\$30,311
Liberal Arts and Sciences, General Studies & Human	2,679	1,904	\$41,494
Library Science	0	0	
Biological and Biomedical Sciences	1,458	852	\$27,531
Mathematics and Statistics	132	77	\$38,229
ROTC	0	0	
Military Technologies	0	0	
Multi/Interdisciplinary Studies	150	100	\$24,185
Parks, Recreation, Leisure and Fitness Studies	766	389	\$27,355
Philosophy and Religious Studies	83	44	\$28,733
Theology and Religious Vocations	0	0	
Physical Sciences	533	253	\$33,421
Science Technologies and Technicians	600	456	\$43,385
Psychology	1,084	693	\$29,899
Security and Protective Services	0	0	
Public Administration and Social Service Professio	296	195	\$33,511
Social Sciences	1,776	987	\$33,370
Construction Trades	0	0	
Mechanic and Repair Technologies/Technicians	0	0	
Precision Production	0	0	
Transportation and Materials Moving	0	0	
Visual and Performing Arts	861	501	\$29,675
Health Professions and Related Clinical Sciences	2,509	1,892	\$54,990
Business, Management, Marketing, and Related Suppo	3,927	2,365	\$43,471
History	185	89	\$28,093
University Total	23,121	14,869	\$39,469

Notes:
 Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.
 All income is from calendar year 2015.
 Cells blackened indicate an N of less than 6.

EXECUTIVE SUMMARY

Northern Arizona University

CIP Code Description	Graduate		Median Wages in
	Degrees Awarded	Number Working in	
	2012-2016	2016	2016
Agriculture, and Related Sciences	0	0	
Natural Resources and Conservation	154	48	\$43,583
Architecture and Related Services	0	0	
Area, Ethnic, Cultural, and Gender Studies	0	0	
Communication, Journalism, and Related Programs	55	35	\$44,915
Communications Technologies/Technicians & Support	0	0	
Computer and Information Sciences & Support Servic	0	0	
Personal and Culinary Services	0	0	
Education	4,056	3,125	\$51,484
Engineering	66	32	\$73,090
Engineering Technologies/Technicians	0	0	
Foreign Languages, Literatures, and Linguistics	23		
Family and Consumer Sciences/Human Sciences	0	0	
Legal Professions and Studies	0	0	
English Language and Literatures/Letters	434	232	\$45,996
Liberal Arts and Sciences, General Studies & Human	29	12	\$51,357
Library Science	0	0	
Biological and Biomedical Sciences	114	47	\$44,505
Mathematics and Statistics	51	32	\$50,607
ROTC	0	0	
Military Technologies	0	0	
Multi/Interdisciplinary Studies	43	18	\$27,095
Parks, Recreation, Leisure and Fitness Studies	0	0	
Philosophy and Religious Studies	0	0	
Theology and Religious Vocations	0	0	
Physical Sciences	105	33	\$49,853
Science Technologies and Technicians	0	0	
Psychology	173	106	\$50,881
Security and Protective Services	0	0	
Public Administration and Social Service Professio	37	29	\$56,355
Social Sciences	249	90	\$42,420
Construction Trades	0	0	
Mechanic and Repair Technologies/Technicians	0	0	
Precision Production	0	0	
Transportation and Materials Moving	0	0	
Visual and Performing Arts	45	19	\$47,458
Health Professions and Related Clinical Sciences	888	598	\$70,254
Business, Management, Marketing, and Related Suppo	784	569	\$68,592
History	39	17	\$39,632
University Total	7,345	5,046	\$53,794

Notes:

Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.
 All income is from calendar year 2015.
 Cells blackened indicate an N of less than 6.

EXECUTIVE SUMMARY

Northern Arizona University

Year Graduated	Resident Undergraduates						Non-Resident Undergraduates							
	Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	1,581	642	40.6%	\$44,501,801	\$3,136,488	527	\$62,274	310	36	11.6%	\$2,283,561	\$159,194	30	\$60,788
1991	1,722	773	44.9%	\$55,608,193	\$3,926,903	634	\$65,435	266	41	15.4%	\$2,473,195	\$180,636	29	\$82,811
1992	2,008	901	44.9%	\$62,177,986	\$4,380,388	741	\$63,481	266	35	13.2%	\$2,398,037	\$171,472	30	\$59,395
1993	2,249	1,044	46.4%	\$70,504,666	\$4,996,870	863	\$60,576	247	35	14.2%	\$2,842,774	\$201,144	27	\$62,480
1994	2,384	1,109	46.5%	\$74,004,549	\$5,237,705	892	\$61,692	242	29	12.0%	\$3,037,436	\$212,227	24	\$70,977
1995	2,255	1,089	48.3%	\$75,538,928	\$5,321,506	897	\$60,000	221	29	13.1%	\$2,273,513	\$164,300	21	\$86,335
1996	2,552	1,234	48.4%	\$82,167,901	\$5,819,019	1,006	\$58,698	332	46	13.9%	\$3,244,917	\$227,529	33	\$54,878
1997	2,385	1,119	46.9%	\$73,396,198	\$5,186,758	907	\$59,614	360	53	14.7%	\$3,521,242	\$250,145	41	\$78,215
1998	2,280	1,163	51.0%	\$75,676,244	\$5,329,909	951	\$58,828	457	55	12.0%	\$3,496,961	\$247,384	44	\$60,559
1999	2,463	1,208	49.0%	\$73,228,411	\$5,189,754	965	\$56,499	508	65	12.8%	\$4,645,118	\$326,151	49	\$61,695
2000	2,494	1,256	50.4%	\$76,987,767	\$5,447,256	1,040	\$55,923	478	57	11.9%	\$3,649,334	\$257,735	47	\$66,370
2001	2,418	1,241	51.3%	\$71,921,088	\$5,131,977	1,015	\$55,940	513	64	12.5%	\$4,714,776	\$329,510	54	\$67,905
2002	2,439	1,295	53.1%	\$76,670,751	\$5,437,211	1,099	\$54,888	434	53	12.2%	\$3,076,448	\$218,063	44	\$59,716
2003	2,560	1,390	54.3%	\$81,862,220	\$5,794,040	1,138	\$54,640	444	63	14.2%	\$3,818,148	\$269,073	51	\$53,839
2004	2,439	1,306	53.5%	\$71,481,263	\$5,087,895	1,072	\$52,988	435	66	15.2%	\$4,061,759	\$291,876	49	\$55,773
2005	2,446	1,333	54.5%	\$73,189,039	\$5,212,034	1,083	\$53,111	417	63	15.1%	\$3,112,749	\$219,738	46	\$58,629
2006	2,426	1,372	56.6%	\$71,476,757	\$5,098,202	1,122	\$49,504	415	59	14.2%	\$3,154,548	\$227,027	48	\$57,045
2007	2,427	1,350	55.6%	\$67,424,540	\$4,827,191	1,105	\$50,165	432	69	16.0%	\$3,425,245	\$245,459	58	\$53,704
2008	2,392	1,372	57.4%	\$66,629,029	\$4,762,740	1,124	\$48,207	493	73	14.8%	\$3,215,738	\$233,374	51	\$47,764
2009	2,497	1,524	61.0%	\$70,519,395	\$5,071,609	1,215	\$46,542	560	78	13.9%	\$3,903,126	\$275,359	65	\$48,635
2010	2,746	1,715	62.5%	\$79,033,771	\$5,692,914	1,377	\$46,515	601	94	15.6%	\$4,028,608	\$289,363	73	\$45,244
2011	3,024	1,947	64.4%	\$81,350,371	\$5,918,564	1,525	\$44,083	691	112	16.2%	\$4,353,635	\$315,370	73	\$46,899
2012	3,320	2,197	66.2%	\$92,652,346	\$6,751,895	1,747	\$44,311	799	151	18.9%	\$5,765,919	\$429,672	113	\$40,857
2013	3,341	2,373	71.0%	\$95,067,422	\$7,018,117	1,828	\$42,201	858	194	22.6%	\$7,427,979	\$550,132	136	\$44,019
2014	3,693	2,734	74.0%	\$99,515,261	\$7,406,015	2,055	\$40,308	1,063	245	23.0%	\$8,158,460	\$623,377	172	\$39,891
2015	3,751	2,944	78.5%	\$103,324,302	\$7,882,650	2,204	\$38,750	1,042	272	26.1%	\$6,549,546	\$549,194	153	\$31,852
2016*	3,661	3,007	82.1%	\$71,474,755	\$6,179,795	1,667	\$28,616	1,165	486	41.7%	\$6,676,613	\$664,038	146	\$19,895
TOTAL	69,953	40,638	58.1%	\$2,037,384,955	\$147,245,407	31,799	\$49,074	14,049	2,623	18.7%	\$109,309,386	\$8,128,543	1,707	\$46,495

Notes:
 Degree recipients are included in only one student grouping and one graduation year based upon their highest degree awarded.
 All income is from calendar year 2016.
 Estimated Arizona state tax revenue assumes the following rates and income levels: <= \$25k = 12.6%; >\$25k and <=\$75k = 6.8%; >\$75k and <=\$100k = 7.2%; >\$100k = 6.9%.
 * Many of these students were working before graduating and/or worked for less than a year.

EXECUTIVE SUMMARY

Northern Arizona University

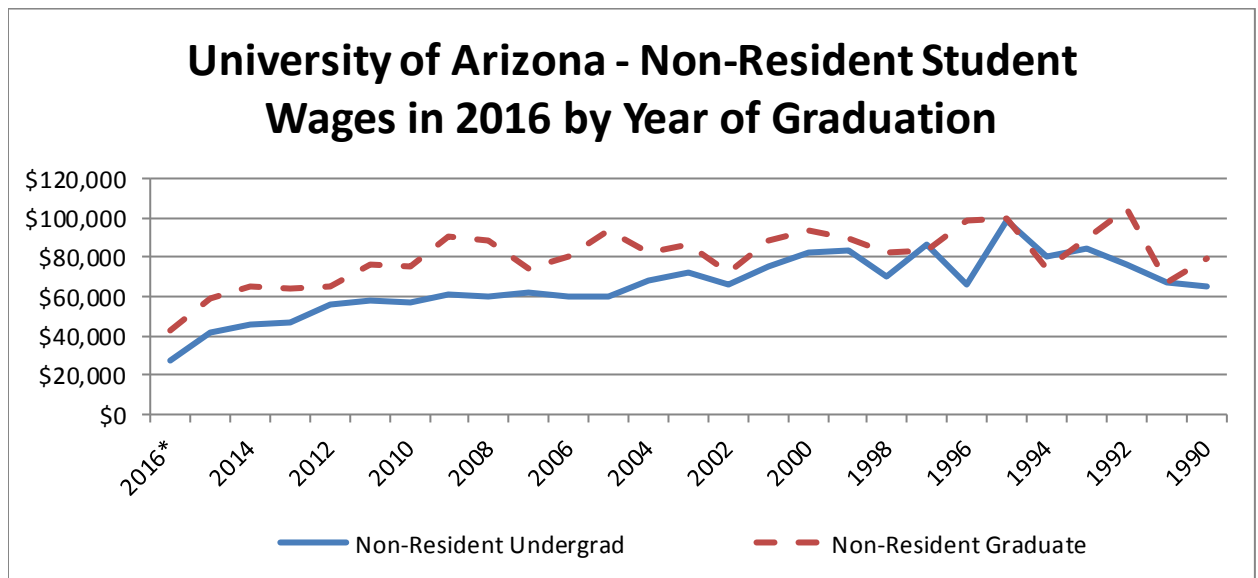
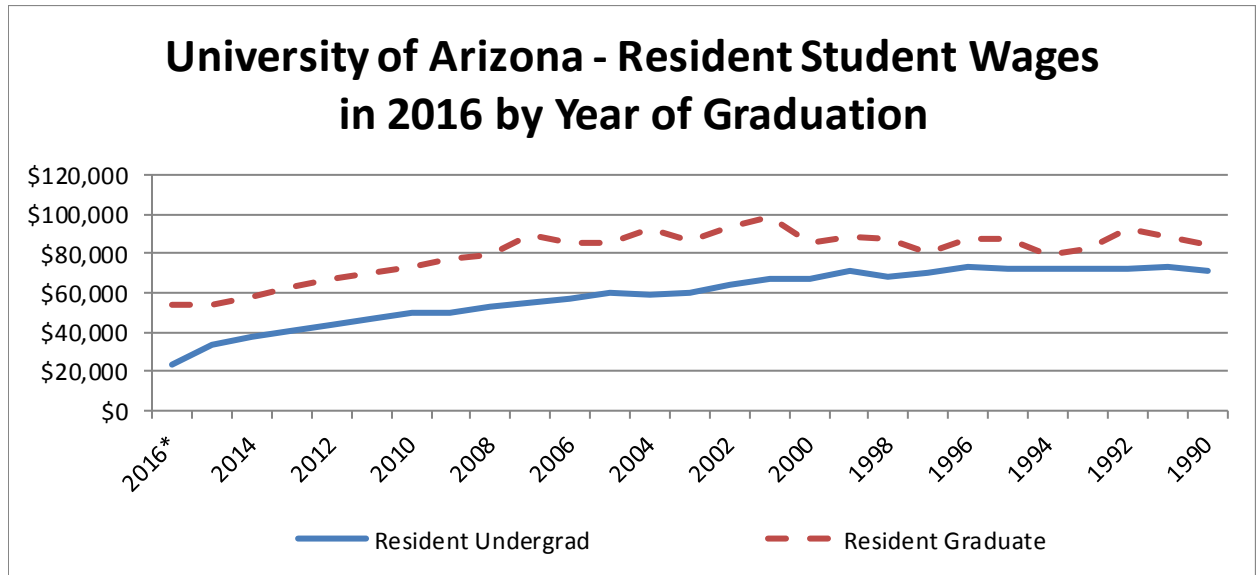
Year Graduated	Resident Graduates						Non-Resident Graduates							
	Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	584	209	35.8%	\$10,161,560	\$734,378	158	\$59,274	152	21	13.8%	\$1,062,802	\$77,988	15	\$58,305
1991	661	232	35.1%	\$11,427,428	\$825,594	164	\$61,546	108	10	9.3%	\$752,142	\$53,219	8	\$87,083
1992	873	344	39.4%	\$18,555,674	\$1,329,905	251	\$62,758	117	18	15.4%	\$1,279,903	\$89,790	16	\$65,495
1993	889	353	39.7%	\$17,956,406	\$1,278,841	268	\$61,408	100	10	10.0%	\$588,382	\$41,764	8	\$63,005
1994	1,120	490	43.8%	\$27,008,260	\$1,947,495	371	\$63,164	95	8	8.4%	\$494,638	\$34,038	8	\$56,546
1995	1,326	635	47.9%	\$33,970,307	\$2,450,000	485	\$60,734	126	9	7.1%	\$722,226	\$50,103	9	\$76,256
1996	1,356	683	50.4%	\$36,561,257	\$2,618,307	538	\$59,542	99	9	9.1%	\$628,868	\$45,903	8	\$85,706
1997	1,583	834	52.7%	\$45,484,505	\$3,236,090	642	\$62,195	132	18	13.6%	\$1,252,226	\$89,884	16	\$62,039
1998	1,503	826	55.0%	\$45,475,907	\$3,245,958	652	\$60,949	149	12	8.1%	\$1,240,341	\$88,533	4	\$90,837
1999	1,835	1,053	57.4%	\$61,283,809	\$4,346,358	844	\$62,027	114	13	11.4%	\$1,008,671	\$73,022	10	\$71,364
2000	1,740	1,008	57.9%	\$57,848,246	\$4,108,359	803	\$62,639	160	19	11.9%	\$1,041,094	\$75,362	14	\$74,211
2001	1,776	1,120	63.1%	\$67,109,727	\$4,766,390	874	\$62,075	160	13	8.1%	\$1,152,584	\$80,669	8	\$80,400
2002	1,818	1,166	64.1%	\$67,955,775	\$4,801,424	927	\$61,729	152	17	11.2%	\$1,201,292	\$83,470	11	\$79,221
2003	1,852	1,191	64.3%	\$70,087,972	\$4,955,820	984	\$61,015	151	21	13.9%	\$1,551,628	\$110,847	16	\$49,439
2004	1,921	1,215	63.2%	\$69,722,775	\$4,926,011	980	\$59,080	197	20	10.2%	\$1,683,480	\$119,183	15	\$74,601
2005	1,816	1,164	64.1%	\$66,097,165	\$4,658,411	947	\$58,385	185	21	11.4%	\$1,203,808	\$88,385	15	\$67,663
2006	1,842	1,251	67.9%	\$70,886,506	\$4,997,087	1,034	\$58,230	168	30	17.9%	\$1,432,157	\$103,570	23	\$58,000
2007	1,661	1,141	68.7%	\$63,496,239	\$4,466,499	963	\$56,241	182	23	12.6%	\$872,569	\$63,548	16	\$47,932
2008	1,660	1,154	69.5%	\$62,137,053	\$4,399,756	965	\$55,409	191	28	14.7%	\$1,177,519	\$85,501	18	\$47,815
2009	1,638	1,129	68.9%	\$61,629,609	\$4,356,322	933	\$56,931	182	22	12.1%	\$1,002,671	\$71,632	16	\$52,407
2010	1,601	1,109	69.3%	\$61,661,098	\$4,351,080	935	\$54,888	182	24	13.2%	\$1,119,381	\$79,357	19	\$53,182
2011	1,580	1,123	71.1%	\$62,046,698	\$4,378,810	954	\$54,191	216	32	14.8%	\$1,446,269	\$101,777	24	\$52,301
2012	1,455	1,050	72.2%	\$58,220,370	\$4,106,215	871	\$56,516	198	31	15.7%	\$1,162,321	\$84,206	24	\$42,393
2013	1,285	972	75.6%	\$52,442,283	\$3,700,230	821	\$54,155	221	32	14.5%	\$1,114,434	\$83,293	25	\$38,523
2014	1,211	948	78.3%	\$51,459,290	\$3,632,903	773	\$55,735	237	45	19.0%	\$1,895,509	\$137,971	33	\$50,805
2015	1,118	883	79.0%	\$48,232,626	\$3,403,939	759	\$53,906	231	67	29.0%	\$2,308,957	\$175,723	41	\$46,259
2016*	1,129	939	83.2%	\$39,962,325	\$2,948,199	629	\$48,538	251	74	29.5%	\$1,177,333	\$112,428	15	\$25,687
TOTAL	38,833	24,222	62.4%	\$1,338,880,871	\$94,970,380	19,525	\$58,136	4,456	647	14.5%	\$31,573,203	\$2,301,166	435	\$53,745

Notes:
 Degree recipients are included in only one student grouping and one graduation year based upon their highest degree awarded.
 All income is from calendar year 2016.
 Estimated Arizona state tax revenue assumes the following rates and income levels: <= \$25k = 12.6%; >\$25k and <=\$75k = 6.8%; >\$75k and <=\$100k = 7.2%; >\$100k = 6.9%.
 * Many of these students were working before graduating and/or worked for less than a year.

EXECUTIVE SUMMARY

Appendix – University of Arizona

EXECUTIVE SUMMARY



EXECUTIVE SUMMARY

University of Arizona

CIP Code Description	Bachelors		
	Degrees Awarded	Number Working in	Median Wages in
	2012-2016	2016	2016
Agriculture, and Related Sciences	516	295	\$36,967
Natural Resources and Conservation	341	171	\$34,226
Architecture and Related Services	580	229	\$42,237
Area, Ethnic, Cultural, and Gender Studies	234	134	\$29,830
Communication, Journalism, and Related Programs	1,449	551	\$36,386
Communications Technologies/Technicians & Support			
Computer and Information Sciences & Support Services	605	311	\$63,472
Personal and Culinary Services			
Education	1,456	1,029	\$38,114
Engineering	1,724	927	\$63,553
Engineering Technologies/Technicians	200	96	\$69,319
Foreign Languages, Literatures, and Linguistics	792	466	\$28,046
Family and Consumer Sciences/Human Sciences	803	477	\$31,192
Legal Professions and Studies	13	8	\$9,134
English Language and Literatures/Letters	762	394	\$30,170
Liberal Arts and Sciences, General Studies & Humanities	4		
Library Science			
Biological and Biomedical Sciences	2,839	1,490	\$29,132
Mathematics and Statistics	312	126	\$45,826
ROTC			
Military Technologies			
Multi/Interdisciplinary Studies	1,985	904	\$31,918
Parks, Recreation, Leisure and Fitness Studies	2	1	
Philosophy and Religious Studies	336	167	\$31,568
Theology and Religious Vocations			
Physical Sciences	679	283	\$47,670
Science Technologies and Technicians	150	101	\$51,327
Psychology	2,393	1,336	\$32,003
Security and Protective Services	152	118	\$26,957
Public Administration and Social Service Professions	511	291	\$37,453
Social Sciences	2,737	1,172	\$35,420
Construction Trades			
Mechanic and Repair Technologies/Technicians			
Precision Production			
Transportation and Materials Moving			
Visual and Performing Arts	1,411	619	\$26,403
Health Professions and Related Clinical Sciences	1,955	1,187	\$35,046
Business, Management, Marketing, and Related Support	4,594	2,157	\$47,832
History	526	282	\$34,316
University Total	30,061	15,322	\$36,876

Notes:

Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.

All income is from calendar year 2015.

Cells blackened indicate an N of less than 6.

EXECUTIVE SUMMARY

University of Arizona

CIP Code Description	Graduate	Number	Median
	Degrees		
	Awarded	Working in	Wages in
	2012-2016	2016	2016
Agriculture, and Related Sciences	172	60	\$51,288
Natural Resources and Conservation	138	39	\$52,026
Architecture and Related Services	228	87	\$45,515
Area, Ethnic, Cultural, and Gender Studies	193	67	\$41,605
Communication, Journalism, and Related Programs	54	16	\$39,308
Communications Technologies/Technicians & Support			
Computer and Information Sciences & Support Services	553	132	\$76,017
Personal and Culinary Services			
Education	1,291	790	\$45,818
Engineering	824	299	\$81,365
Engineering Technologies/Technicians	46	23	\$64,160
Foreign Languages, Literatures, and Linguistics	280	101	\$40,225
Family and Consumer Sciences/Human Sciences	36	13	\$33,131
Legal Professions and Studies	751	428	\$61,963
English Language and Literatures/Letters	207	69	\$38,854
Liberal Arts and Sciences, General Studies & Humanities			
Library Science	400	239	\$40,438
Biological and Biomedical Sciences	489	154	\$57,000
Mathematics and Statistics	127	27	\$53,605
ROTC			
Military Technologies			
Multi/Interdisciplinary Studies	26	6	\$61,724
Parks, Recreation, Leisure and Fitness Studies			
Philosophy and Religious Studies	48	14	\$37,632
Theology and Religious Vocations			
Physical Sciences	837	171	\$73,306
Science Technologies and Technicians	1	1	
Psychology	227	103	\$54,449
Security and Protective Services			
Public Administration and Social Service Professions	184	102	\$48,840
Social Sciences	661	220	\$50,856
Construction Trades			
Mechanic and Repair Technologies/Technicians			
Precision Production			
Transportation and Materials Moving			
Visual and Performing Arts	345	94	\$33,959
Health Professions and Related Clinical Sciences	2,857	1,462	\$68,618
Business, Management, Marketing, and Related Support	1,220	709	\$76,011
History	72	30	\$26,957
University Total	12,267	5,456	\$58,526

Notes:

Degree recipients may exist in more than one CIP group and career grouping if they earned degrees in multiple areas.

All income is from calendar year 2015.

Cells blackened indicate an N of less than 6.

EXECUTIVE SUMMARY

University of Arizona

Year Graduated	Resident Undergraduates						Non-Resident Undergraduates							
	Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Bachelor Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	2,417	903	37.4%	\$76,440,491	\$5,372,427	740	\$71,283	809	87	10.8%	\$8,716,026	\$617,145	74	\$65,223
1991	2,605	988	37.9%	\$84,332,874	\$5,942,023	827	\$73,181	964	88	9.1%	\$10,000,885	\$703,040	73	\$66,927
1992	2,823	1,088	38.5%	\$100,536,068	\$7,056,691	924	\$72,241	1,140	91	8.0%	\$12,685,622	\$888,000	70	\$76,409
1993	2,929	1,134	38.7%	\$98,366,666	\$6,913,554	960	\$72,485	1,282	149	11.6%	\$17,513,246	\$1,228,028	125	\$84,540
1994	3,018	1,201	39.8%	\$108,944,900	\$7,652,894	1,012	\$72,244	1,091	108	9.9%	\$9,625,505	\$675,796	87	\$80,087
1995	3,095	1,298	41.9%	\$111,664,918	\$7,839,700	1,076	\$71,994	1,074	114	10.6%	\$14,384,190	\$1,001,803	92	\$98,831
1996	2,899	1,231	42.5%	\$107,573,089	\$7,557,082	1,015	\$73,356	1,118	126	11.3%	\$10,946,228	\$774,839	105	\$65,980
1997	2,941	1,246	42.4%	\$104,567,067	\$7,353,031	1,039	\$69,998	1,220	110	9.0%	\$9,250,060	\$652,474	89	\$86,002
1998	3,134	1,367	43.6%	\$106,857,785	\$7,534,837	1,127	\$67,801	1,482	135	9.1%	\$13,833,160	\$965,384	119	\$70,353
1999	2,963	1,326	44.8%	\$106,719,979	\$7,508,299	1,131	\$71,588	1,292	142	11.0%	\$14,794,969	\$1,037,329	118	\$83,523
2000	2,964	1,299	43.8%	\$99,043,777	\$6,972,408	1,058	\$67,043	1,270	129	10.2%	\$11,052,927	\$775,283	102	\$82,112
2001	3,015	1,395	46.3%	\$104,970,562	\$7,393,370	1,167	\$67,223	1,286	129	10.0%	\$11,226,055	\$789,374	106	\$75,622
2002	2,937	1,316	44.8%	\$101,020,079	\$7,114,417	1,108	\$64,066	1,335	144	10.8%	\$10,476,166	\$739,265	115	\$65,524
2003	3,078	1,398	45.4%	\$93,368,026	\$6,612,474	1,138	\$60,365	1,507	179	11.9%	\$14,671,563	\$1,031,716	145	\$72,626
2004	3,096	1,495	48.3%	\$95,583,738	\$6,785,098	1,248	\$58,944	1,364	136	10.0%	\$9,977,459	\$707,149	103	\$67,734
2005	3,281	1,551	47.3%	\$102,453,600	\$7,270,380	1,318	\$60,352	1,591	189	11.9%	\$12,475,548	\$877,710	158	\$59,948
2006	3,313	1,616	48.8%	\$98,720,991	\$6,996,750	1,341	\$57,039	1,509	195	12.9%	\$12,452,794	\$885,000	146	\$60,045
2007	3,094	1,535	49.6%	\$90,337,016	\$6,415,038	1,272	\$55,034	1,721	329	19.1%	\$22,963,719	\$1,628,023	276	\$61,651
2008	3,335	1,693	50.8%	\$93,210,805	\$6,673,632	1,416	\$53,182	1,492	236	15.8%	\$15,199,466	\$1,078,598	192	\$60,089
2009	3,514	1,770	50.4%	\$92,686,516	\$6,635,136	1,457	\$49,425	1,489	188	12.6%	\$12,912,388	\$916,590	154	\$60,536
2010	3,573	1,873	52.4%	\$90,163,248	\$6,490,597	1,482	\$49,501	1,508	161	10.7%	\$9,171,942	\$655,703	125	\$57,339
2011	3,812	2,057	54.0%	\$91,907,834	\$6,682,947	1,597	\$46,249	1,562	170	10.9%	\$8,958,361	\$642,565	126	\$58,201
2012	3,891	2,177	55.9%	\$91,384,287	\$6,687,673	1,657	\$43,556	1,699	245	14.4%	\$11,949,727	\$870,557	176	\$56,162
2013	4,041	2,354	58.3%	\$90,223,777	\$6,715,178	1,790	\$40,866	1,714	216	12.6%	\$9,274,034	\$681,010	154	\$47,075
2014	4,184	2,610	62.4%	\$88,179,203	\$6,780,879	1,911	\$37,399	1,518	282	18.6%	\$10,982,394	\$818,352	198	\$45,308
2015	4,481	3,040	67.8%	\$89,949,485	\$7,105,392	2,191	\$33,604	1,694	319	18.8%	\$10,692,545	\$793,132	210	\$41,533
2016*	4,758	3,488	73.3%	\$65,071,536	\$6,022,169	1,684	\$23,659	2,079	589	28.3%	\$9,069,913	\$837,578	147	\$27,680
TOTAL	89,191	44,449	49.8%	\$2,584,278,319	\$186,084,076	34,686	\$52,108	37,810	4,986	13.2%	\$325,256,892	\$23,271,440	3,585	\$59,589

Notes:
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 * Many of these students were working before graduating and/or worked for less than a year.

EXECUTIVE SUMMARY

University of Arizona

Year Graduated	Resident Graduates						Non-Resident Graduates							
	Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016	Non-Resident Graduate Degrees Awarded	Number Employed in Arizona in 2016	Percent Employed in Arizona in 2016	Total Wages Earned 2016	Estimated AZ Total State Tax Revenue	Number Employed in Arizona During All 4 Quarters of 2016	Median Wage in 2016 of Those Employed All 4 Quarters of 2016
1990	912	268	29.4%	\$27,688,619	\$1,944,552	206	\$83,987	494	41	8.3%	\$3,824,285	\$271,181	37	\$79,498
1991	1,021	317	31.0%	\$33,429,837	\$2,353,807	256	\$88,374	563	49	8.7%	\$3,470,906	\$247,138	37	\$67,128
1992	1,059	332	31.4%	\$37,039,329	\$2,593,455	266	\$91,994	569	54	9.5%	\$5,930,057	\$417,249	46	\$104,155
1993	1,084	320	29.5%	\$35,352,572	\$2,478,267	253	\$82,780	603	51	8.5%	\$5,020,917	\$350,931	39	\$89,761
1994	1,137	387	34.0%	\$39,006,173	\$2,740,560	307	\$79,525	692	57	8.2%	\$4,309,242	\$305,499	44	\$74,420
1995	1,080	386	35.7%	\$39,180,457	\$2,748,246	304	\$87,373	713	54	7.6%	\$5,530,102	\$386,935	45	\$99,827
1996	1,133	417	36.8%	\$43,378,710	\$3,042,603	342	\$87,491	706	66	9.3%	\$6,016,073	\$425,104	52	\$98,496
1997	1,123	406	36.2%	\$40,609,491	\$2,848,259	339	\$80,251	766	51	6.7%	\$4,281,937	\$300,870	41	\$82,865
1998	1,027	392	38.2%	\$43,980,598	\$3,063,471	330	\$87,397	734	48	6.5%	\$3,946,373	\$280,077	36	\$82,129
1999	1,032	417	40.4%	\$44,774,054	\$3,132,792	351	\$88,463	781	75	9.6%	\$7,043,171	\$494,180	63	\$89,535
2000	956	396	41.4%	\$44,246,261	\$3,095,794	321	\$85,723	791	95	12.0%	\$9,515,681	\$666,496	73	\$93,539
2001	945	398	42.1%	\$42,512,304	\$2,974,389	323	\$98,299	740	85	11.5%	\$8,352,242	\$583,992	73	\$88,489
2002	944	389	41.2%	\$45,320,920	\$3,166,880	317	\$93,638	779	64	8.2%	\$4,924,488	\$344,591	56	\$71,978
2003	920	430	46.7%	\$43,236,960	\$3,019,438	354	\$86,676	847	96	11.3%	\$8,362,423	\$587,365	76	\$86,455
2004	1,010	478	47.3%	\$47,782,351	\$3,341,294	385	\$92,090	901	103	11.4%	\$8,385,050	\$593,388	89	\$82,545
2005	987	483	48.9%	\$49,758,033	\$3,481,709	395	\$85,566	884	117	13.2%	\$9,734,411	\$685,616	95	\$93,855
2006	981	470	47.9%	\$45,825,996	\$3,207,414	392	\$85,609	888	102	11.5%	\$8,399,779	\$589,161	79	\$79,997
2007	895	450	50.3%	\$46,067,986	\$3,217,233	367	\$89,910	1,042	190	18.2%	\$14,838,642	\$1,040,493	153	\$73,986
2008	959	480	50.1%	\$43,310,110	\$3,035,653	395	\$79,385	949	178	18.8%	\$16,198,410	\$1,133,061	147	\$88,030
2009	1,053	525	49.9%	\$46,291,656	\$3,240,688	438	\$77,201	967	162	16.8%	\$15,207,765	\$1,071,066	131	\$89,994
2010	982	566	57.6%	\$48,446,830	\$3,388,600	469	\$73,533	904	181	20.0%	\$14,144,781	\$995,157	143	\$75,594
2011	1,253	665	53.1%	\$49,829,314	\$3,525,721	520	\$69,593	878	150	17.1%	\$11,314,183	\$802,488	118	\$76,203
2012	1,200	701	58.4%	\$49,295,165	\$3,464,754	549	\$66,705	984	188	19.1%	\$12,756,178	\$903,768	145	\$64,966
2013	1,216	700	57.6%	\$44,408,561	\$3,139,078	542	\$62,985	1,078	272	25.2%	\$17,054,062	\$1,222,480	196	\$63,708
2014	1,367	794	58.1%	\$46,137,447	\$3,251,310	611	\$58,113	1,003	271	27.0%	\$16,492,027	\$1,178,443	186	\$65,217
2015	1,459	892	61.1%	\$48,304,460	\$3,424,846	683	\$53,502	1,034	254	24.6%	\$12,432,111	\$905,527	153	\$59,229
2016*	1,641	1,067	65.0%	\$46,638,743	\$3,486,607	615	\$54,216	1,285	317	24.7%	\$8,410,356	\$671,113	99	\$42,870
TOTAL	29,376	13,526	46.0%	\$1,171,852,936	\$82,407,420	10,630	\$73,380	22,575	3,371	14.9%	\$245,895,653	\$17,453,372	2,452	\$74,512

Notes:

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* Many of these students were working before graduating and/or worked for less than a year.