



## **REPORT ON STEM GRADUATION AND ENROLLMENT TRENDS**

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**AUTHORS:**

Rick Jenkins

Associate Director of Planning and Accountability  
Arkansas Department of Higher Education

Sharon Butler

Program Specialist  
Arkansas Department of Higher Education

Suzanne Mitchell

No Child Left Behind Coordinator  
Arkansas Department of Higher Education

## **ARKANSAS DEPARTMENT OF HIGHER EDUCATION 2014 REPORT ON STEM GRADUATION AND ENROLLMENT TRENDS**

The purpose of this report on Arkansas STEM (Science, Technology, Engineering, and Mathematics) program activity is to inform education and policy makers about the need to prepare and graduate more students with degrees in STEM related fields as defined by the U.S. Immigration and Customs Enforcement (ICE).

Arkansas is witnessing a significant shortfall in its ability to meet the STEM education needs of its students which will have tremendous implications for the state's scientific and engineering workforce needed for the next decade. Addressing this issue is absolutely essential for the continued economic success of Arkansas. All Arkansas citizens must have the basic scientific, technological, and mathematical knowledge to make informed personal choices, to develop human capital, and to thrive in the increasingly technological global marketplace.

The Arkansas Department of Higher Education uses three different sets of CIP Codes for the STEM fields. The most recent was obtained in 2012 with other versions being obtained in 2011 and before 2010. All sets of CIP Codes for the STEM fields were obtained from the website of the U.S. Immigration and Customs Enforcement (ICE) at [www.ice.gov](http://www.ice.gov). The 2010 and earlier version contains 217 CIP Codes, the 2011 version contains 328 CIP Codes, and the 2012 version contains 422 CIP Codes. In this report,

- all graduate and enrollment data for Academic Year 2010 and before used the 2010 version;
- all graduate and enrollment data for Academic Year 2011 used the 2011 version; and
- all graduate and enrollment data for Academic Year 2012 and 2012 Fall (AY2013) and Academic Year 2013 and 2013 Fall (AY2014) used the 2012 version.

Therefore, this report is comparable to last year's report.

The above discussion regarding the different versions of CIP Codes for the STEM fields points to the need for the state of Arkansas to consider establishing a list of static STEM CIP Codes. A static or less fluid list of CIP Codes for STEM would enable the state to better identify growth, or the lack of growth, from year to year. With an increasing list of STEM CIP Codes, some growth can be attributed to the growth in CIP Codes and not in the growth of graduates or enrollment. However, any and all growth noted in this report from AY2012 to AY2013 or 2012 Fall to 2013 Fall will be due to actual growth in the graduates and students since the STEM CIP Codes did not change in 2013.

Due to the growth in the number of CIP Codes designated as STEM, substantial growth can be attributed to the growth in CIP Codes and not in the growth of graduates. Note that the below comparisons have not changed since last year's report as the STEM CIP Codes did not change from AY2012 to AY2013.

- Using the 2011 CIP Codes for AY2011 graduates accounts for an additional 6.9 percent credentials to be counted. In other words, if the 2010 STEM Codes were used, 3,439 credentials would have been counted rather than 3,677 actually reported below.

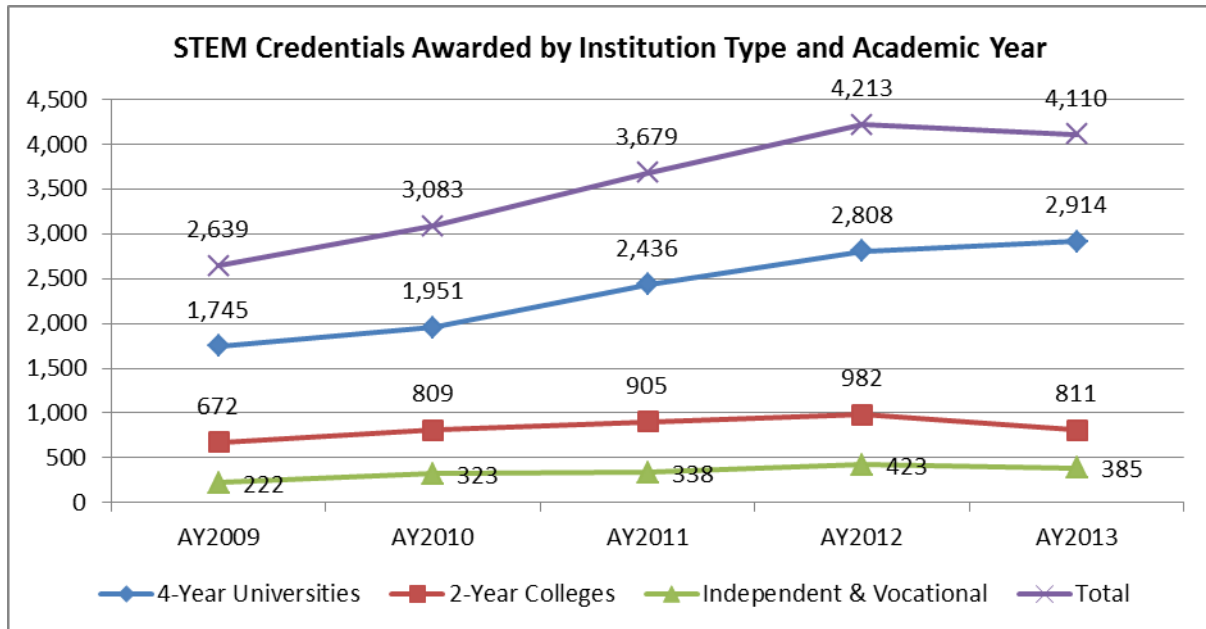
- Using the 2012 CIP Codes for AY2012 graduates accounts for an additional 16.7 percent credentials to be counted. In other words, if the 2010 STEM Codes were used, 3,609 credentials would have been counted rather than 4,213 actually reported below.
- Using the 2012 CIP Codes for AY2012 graduates accounts for an additional 8.8 percent credentials to be counted. In other words, if the 2011 STEM Codes were used, 3,872 credentials would have been counted rather than 4,213 actually reported below.

The state of Arkansas should consider adopting a static list of CIP Codes for identifying STEM.

### Degree Production

The total number of all STEM credentials awarded has increased in each year except for the most recent year – AY2013. The total growth from AY2009 to AY2013 was 55.7 percent.

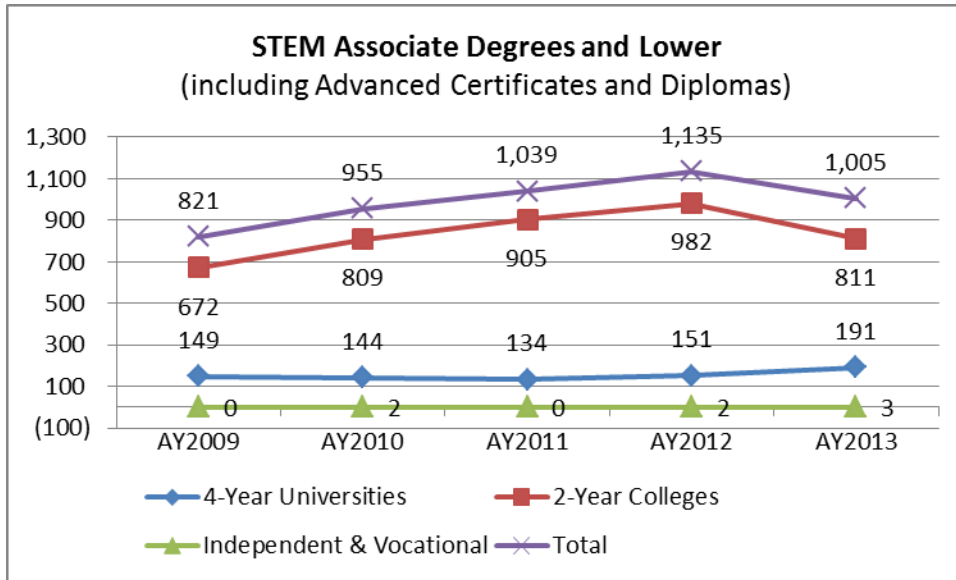
Credentials Awarded	AY2009	AY2010	AY2011	AY2012	AY2013
4-Year Universities	1,745	1,951	2,436	2,808	2,914
2-Year Colleges	672	809	905	982	811
Independent & Vocational	222	323	338	423	385
Total	2,639	3,083	3,679	4,213	4,110
Growth		16.8%	19.3%	14.5%	-2.4%



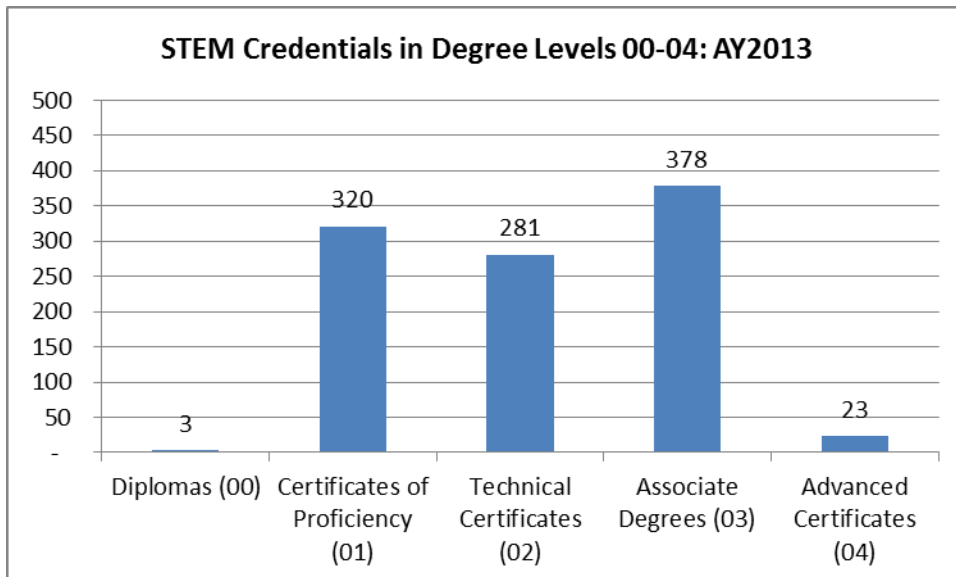
NOTE: The Independent and Vocational includes the 11 Private/Independent institutions and the 2 Nursing Schools.

At the associate degree level, the total number of STEM graduates has increased 22.4 percent between AY2009 and AY2013. (This level includes Diplomas [from Nursing Schools], Certificates of Proficiency, Technical Certificates, Associate Degrees, and Advanced Certificates).

Associate Degrees and Lower (including Advanced Certificate)					
TOTAL	AY2009	AY2010	AY2011	AY2012	AY2013
4-Year Universities	149	144	134	151	191
2-Year Colleges	672	809	905	982	811
Independent & Vocational	-	2	-	2	3
Total	821	955	1,039	1,135	1,005
Growth		16.3%	8.8%	9.2%	-11.5%

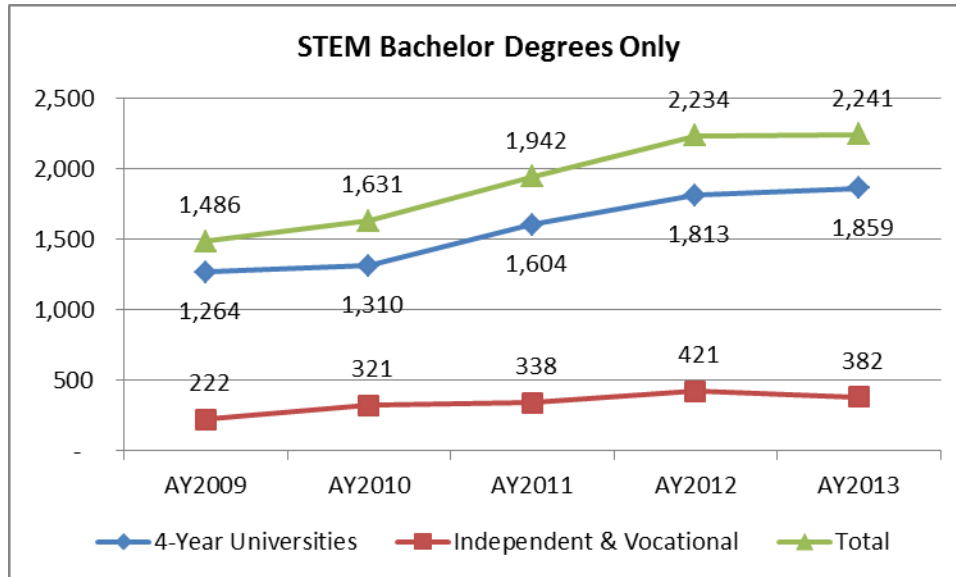


As the graph below indicates this lower level of credentials includes Certificates of Proficiency, Technical Certificates, Associate Degrees, and Advanced Certificates.



At the Bachelor's level, the total number of STEM graduates has increased by 50.8 percent over the 5-year period.

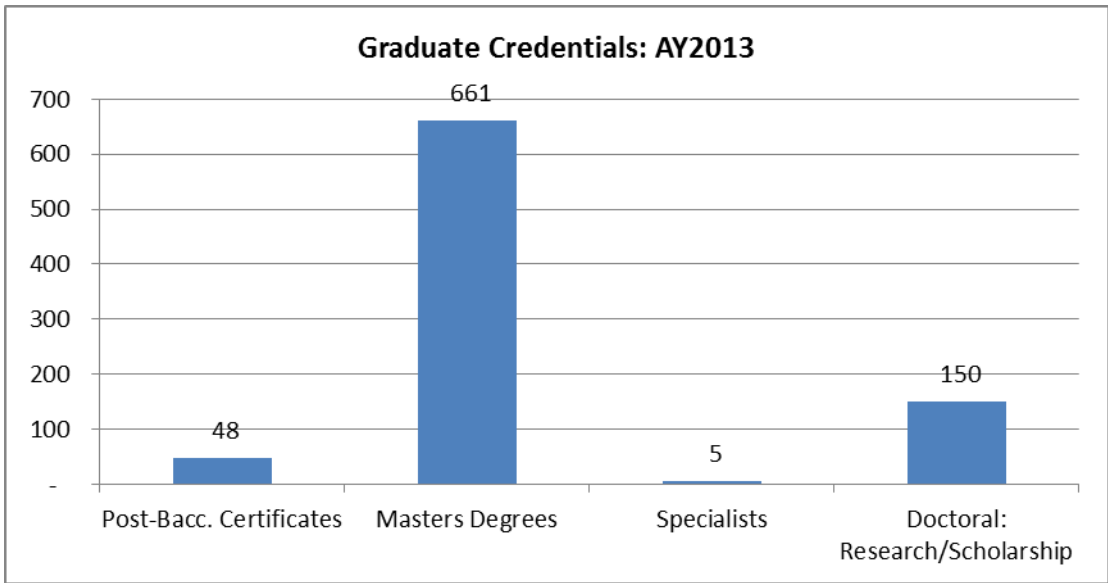
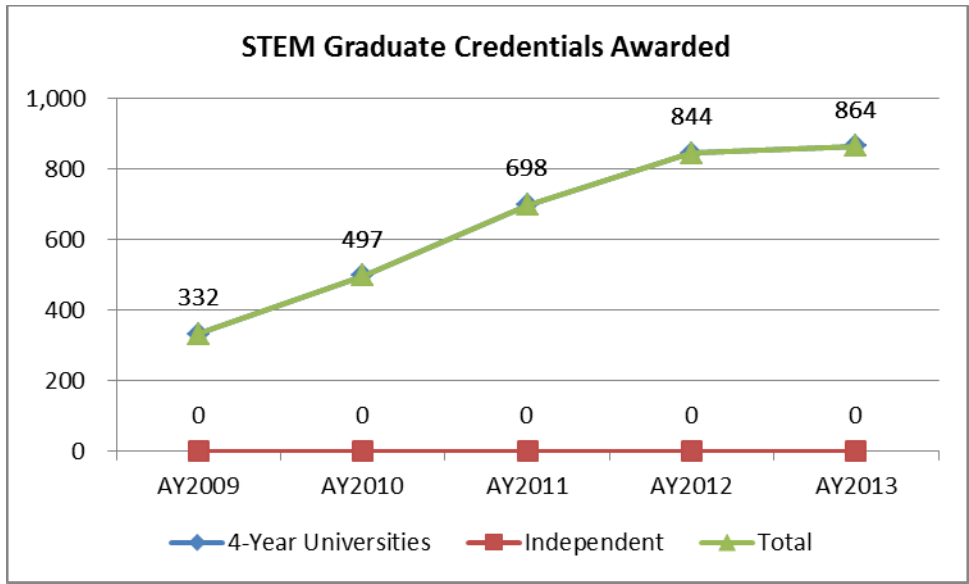
STEM Bachelor Degrees Only					
Credentials Awarded	AY2009	AY2010	AY2011	AY2012	AY2013
4-Year Universities	1,264	1,310	1,604	1,813	1,859
Independent & Vocational	222	321	338	421	382
Total	1,486	1,631	1,942	2,234	2,241
Growth		9.8%	19.1%	15.0%	0.3%



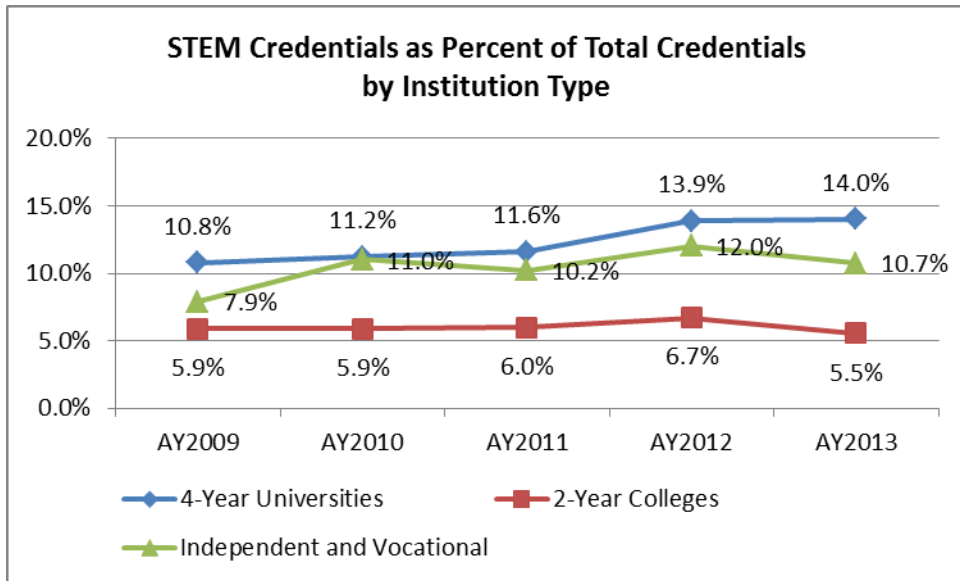
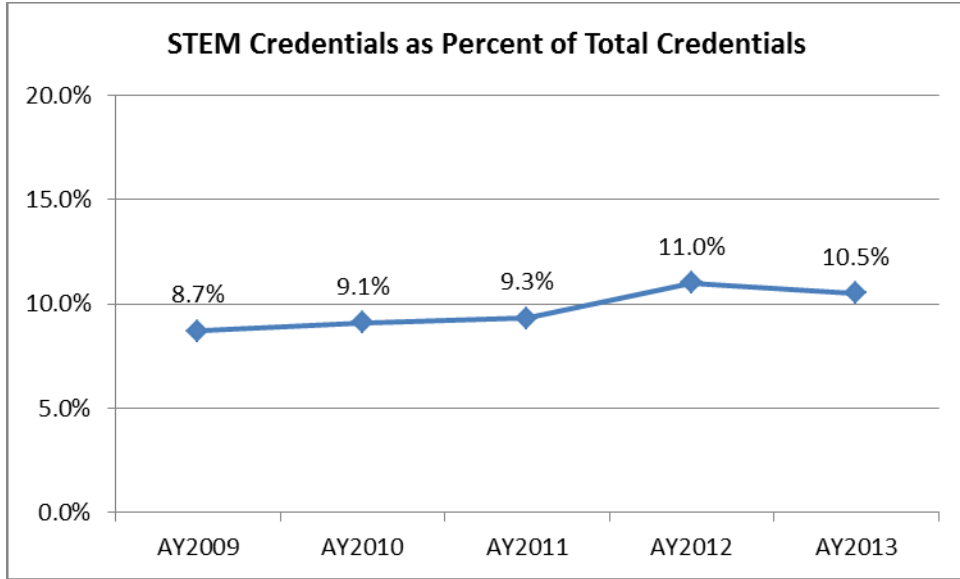
Increases have also occurred at the graduate levels. The graduate level indicated below includes Master Degrees, Post-Baccalaureate Certificates, Specialist Degrees, and Doctoral Degrees: Research/Scholarship. This level has increased 160.2 percent over the 5-year period.

The Doctoral Level includes both the Doctor: Research/Scholarship and Doctor: Professional Practice degrees. However, there was no Doctor: Professional Practice credentials awarded during the 5-year period as these are not included in the STEM CIP Codes.

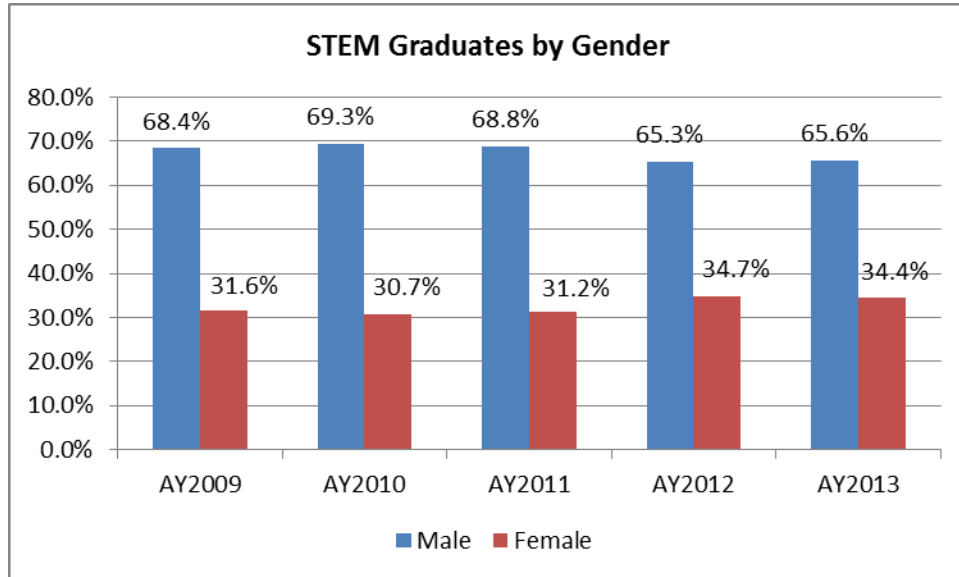
STEM Graduate Credentials Awarded					
Credentials Awarded	AY2009	AY2010	AY2011	AY2012	AY2013
4-Year Universities	332	497	698	844	864
Independent	-	-	-	-	-
Total	332	497	698	844	864
Growth		49.7%	40.4%	20.9%	2.4%



The below graphic shows that the number of STEM credentials awarded as compared to all credentials awarded is increasing slightly, except for AY2013.



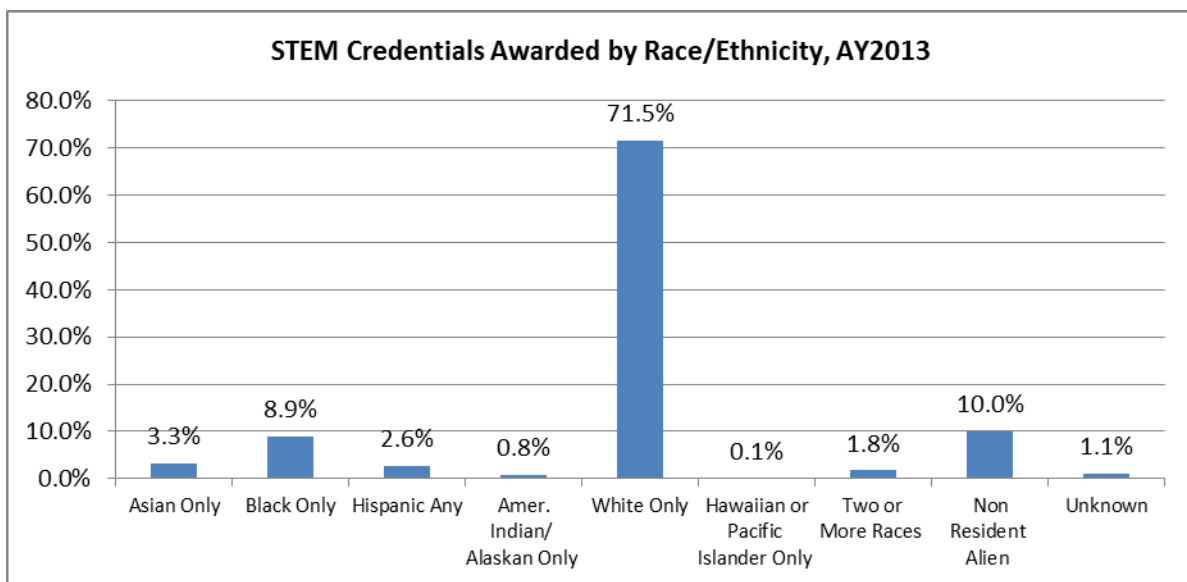
Interestingly, a major portion of STEM graduates are male.



STEM graduates are predominantly white.

Academic Year	Asian Only	Black Only	Hispanic Any	Amer. Indian/Alaskan Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non Resident Alien	Unknown
AY2009	3.8%	9.6%	2.3%	1.6%	71.9%	0.0%	0.0%	8.3%	1.1%
AY2010	2.5%	9.0%	2.5%	1.0%	74.6%	0.0%	1.5%	7.2%	1.7%
AY2011	3.0%	8.5%	2.6%	1.0%	73.3%	0.1%	2.0%	8.2%	1.2%
AY2012	2.8%	9.9%	2.4%	0.9%	71.8%	0.1%	1.6%	9.1%	1.4%
AY2013	3.3%	8.9%	2.6%	0.8%	71.5%	0.1%	1.8%	10.0%	1.1%

The following shows a summary by Race/Ethnicity for AY2013.





Credentials awarded in AY2009-AY2013 were in seventeen different CIP Categories (2-digit CIP Code). The percentages shown below represent the total credentials awarded in the 5-year period reviewed. Note that the Engineering Technologies (CIP 15) and Engineering (CIP 14) fields comprise 43.7 percent of the overall total. Also, the hard sciences (biology and physical science) along with engineering and computers constitute the top five categories and comprise 89.4 percent of the credentials awarded.

STEM Credentials Awarded by CIP Code Category									
#	CIP2	CIP Description	Graduating Academic Year					Total	Percent
			2009	2010	2011	2012	2013		
1	15	Engineering Technologies and Engineering-Related Fields	723	990	1,172	1,164	992	5,041	28.4%
2	26	Biological and Biomedical Sciences	613	707	723	820	748	3,611	20.4%
3	11	Computer and Information Sciences And Support Services	499	485	557	663	653	2,857	16.1%
4	14	Engineering	461	503	551	559	644	2,718	15.3%
5	40	Physical Sciences	224	264	319	371	436	1,614	9.1%
6	27	Mathematics and Statistics	116	134	128	166	172	716	4.0%
7	01	Agriculture, Agriculture Operations, and Related Sciences	-	-	120	138	141	399	2.3%
8	03	Natural Resources and Conservation	-	-	34	95	77	206	1.2%
9	13	Education	-	-	7	70	70	147	0.8%
10	51	Health Professions and Related Programs	-	-	-	71	73	144	0.8%
11	30	Multi/Interdisciplinary Studies	-	-	26	41	43	110	0.6%
12	09	Communication, Journalism, and Related Programs	-	-	30	29	21	80	0.5%
13	43	Homeland Security, Law Enforcement, Firefighting and Related Protective Services	-	-	12	4	15	31	0.2%
14	29	Military Technologies and Applied Sciences	3	-	-	15	9	27	0.2%
15	49	Transportation and Materials Moving	-	-	-	-	12	12	0.1%
16	10	Communications Technologies/Technicians and Support Services	-	-	-	7	1	8	0.0%
17	41	Science Technologies/Technicians	-	-	-	-	3	3	0.0%
Totals			2,639	3,083	3,679	4,213	4,110	17,724	100.0%

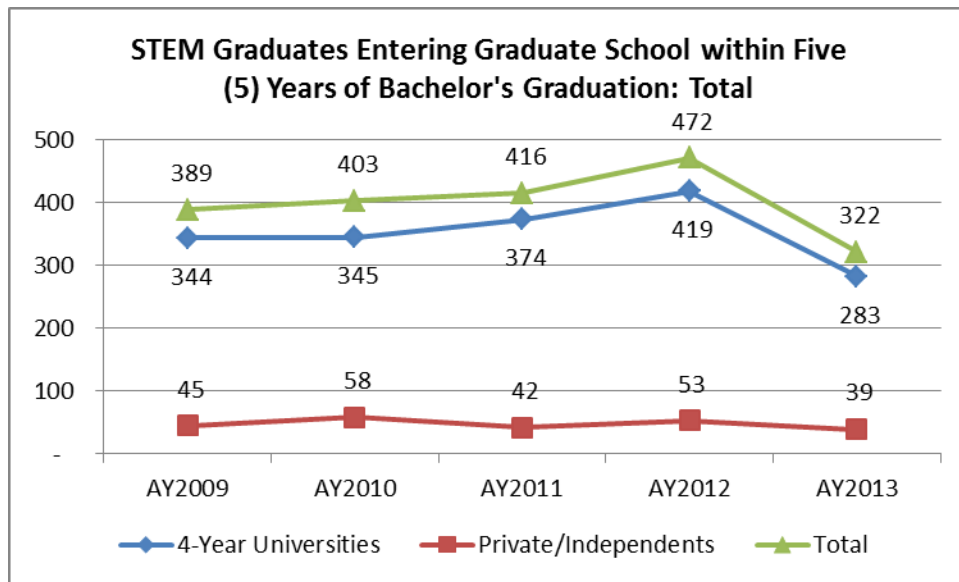
The twenty most popular individual (6-digit) CIP Codes are as follows.

#	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
				2009	2010	2011	2012	2013		
1	26	26.0101	Biology/Biological Sciences, General	527	633	640	717	647	3,164	17.9%
2	11	11.0101	Computer and Information Sciences, General	194	249	287	321	358	1,409	7.9%
3	15	15.1501	Engineering/Industrial Management	-	221	264	263	241	989	5.6%
4	40	40.0501	Chemistry, General	141	153	209	186	215	904	5.1%
5	15	15.0903	Petroleum Technology/Technician	131	183	183	172	139	808	4.6%
6	14	14.1901	Mechanical Engineering	97	143	141	167	147	695	3.9%
7	15	15.1202	Computer Technology/Computer Systems Technology	124	105	132	157	145	663	3.7%
8	27	27.0101	Mathematics, General	99	113	110	142	141	605	3.4%
9	15	15.1301	Drafting and Design Technology/Technician, General	73	96	108	90	74	441	2.5%
10	14	14.1001	Electrical and Electronics Engineering	82	77	97	78	92	426	2.4%
11	15	15.0613	Manufacturing Engineering Technology/Technician	74	77	100	80	49	380	2.1%
12	14	14.0101	Engineering, General	64	78	60	64	108	374	2.1%
13	14	14.0801	Civil Engineering, General	58	72	63	69	100	362	2.0%
14	15	15.1302	CAD/CADD Drafting and/or Design Technology/Technician	92	73	59	38	61	323	1.8%
15	40	40.0801	Physics, General	48	54	53	68	70	293	1.7%
16	15	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	41	46	93	81	31	292	1.6%
17	11	11.0103	Information Technology	56	41	63	61	55	276	1.6%
18	11	11.0901	Computer Systems Networking and Telecommunications	59	44	61	56	43	263	1.5%
19	14	14.3501	Industrial Engineering	40	31	59	54	42	226	1.3%
20	15	15.1001	Construction Engineering Technology/Technician	48	33	56	37	23	197	1.1%

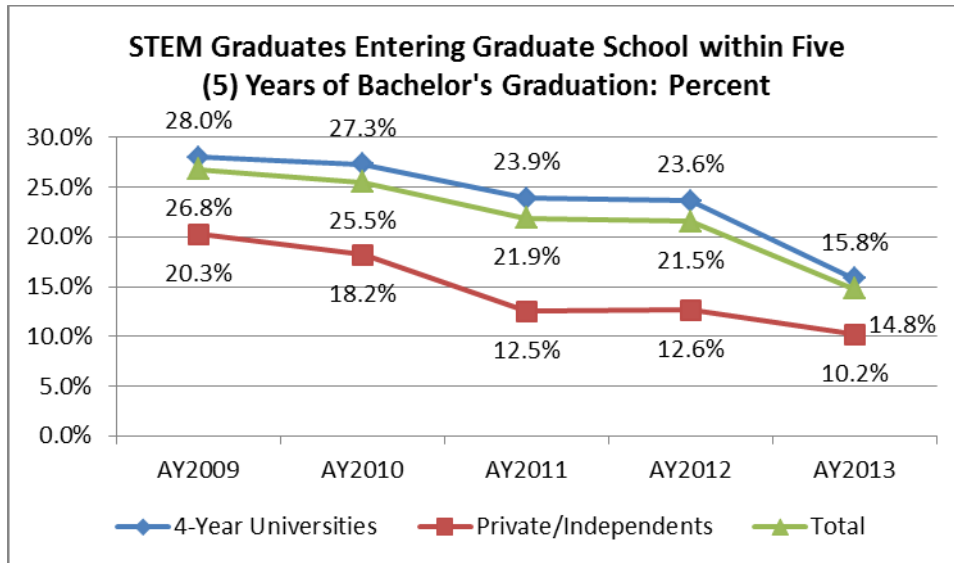
## STEM Graduates Entering Graduate School

The following graph shows that the total number of students earning bachelor degrees in STEM fields and entering graduate school within five (5) years is decreasing. The total number has declined by 17.2 percent since AY2009. (Graduates from AY2009 were reviewed for AY2010-AY2014, graduates from AY2010 were reviewed for AY2011-AY2014, graduates from AY2011 were reviewed for AY2012-AY2014, graduates from AY2012 were reviewed for AY2013-AY2014, and graduates from AY2013 were for reviewed for AY2014.) The total number was increasing for students earning bachelor degrees in AY2009-AY2012. However, the total number dropped substantially for AY2013. This is most likely due to the period reviewed (AY2014) having only the Summer II and Fall terms available at the time of the report were created. If the entire academic year was available at the time of the review, the number for AY2013 would most certainly be higher.

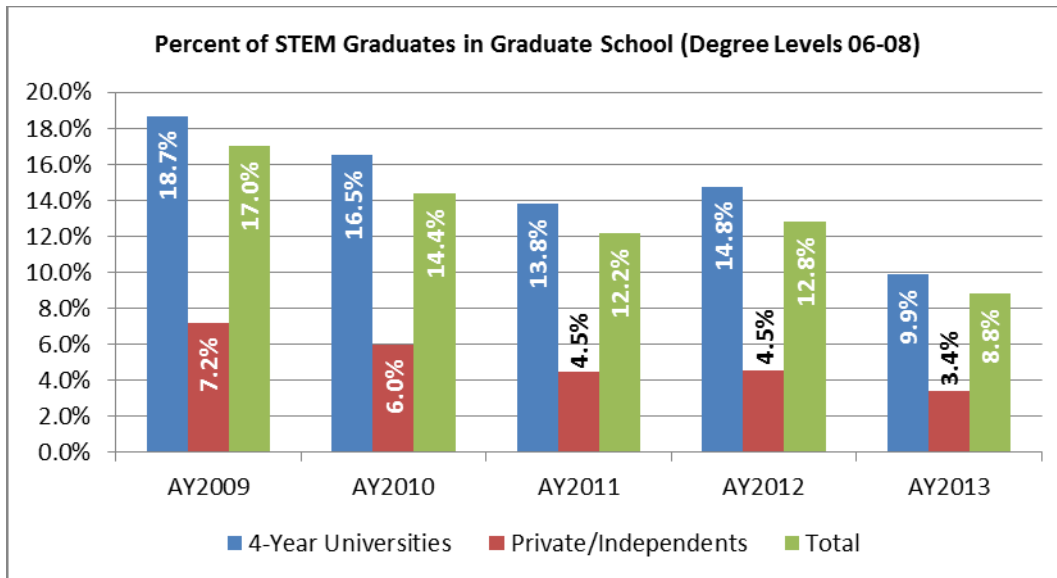
NOTE: The field of study for these graduate students is any field, i.e., meaning that these are not necessarily STEM fields of study. But these students obtained STEM bachelor degrees before entering graduate school.

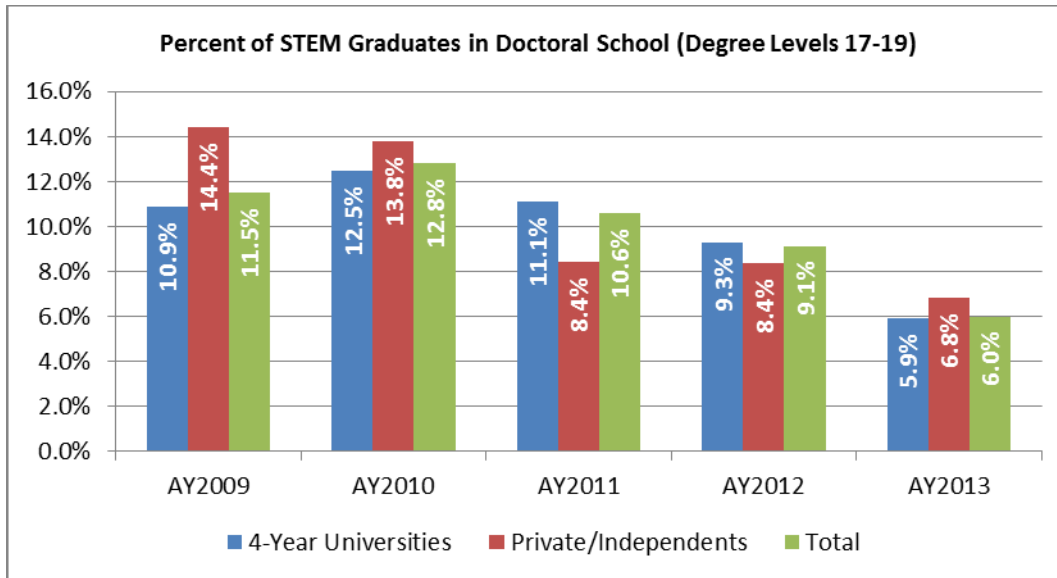


In addition, STEM graduates entering graduate school expressed as a percentage of total STEM graduates is decreasing.



The next two graphs illustrate (1) the percent of STEM graduates entering graduate school (seeking a Post-Baccalaureate Certificate, a Masters Degree, or a Specialist Degree/Post-Masters Certificate) within five (5) years; and (2) the percent of STEM graduates entering doctoral school (seeking a Doctoral: Research/Scholarship Degree, Doctoral: Professional Practice Degree, or other similar credential) within five (5) years.





The 4-Year Universities tend to have a higher percentage of STEM graduates entering the lower level of graduate school (Masters, etc. level) whereas the Private/Independent Institutions tend to have a higher percentage of STEM graduates entering the upper level (Doctors, etc.).

Note that the graduate programs referenced above may not be a STEM program. Also, the percentages shown for graduate levels and doctoral levels may exceed the total shown for graduate school. This is due to some students enrolling twice within the 5-year period, for example, a student enrolling in a master’s degree program, earning the master’s degree, and then going on to a doctoral program.

## Education

The following three CIP Codes are the only “Educational” STEM programs: 13.0501 Educational/Instructional Technology, 13.0601 Educational Evaluation and Research, and 13.0603 Educational Statistics and Research Methods. No CIP Codes for education were present in the 2010 and before version of the STEM Codes and only one CIP Code for education was present in the 2011 version of the STEM Codes (13.0603).

In Arkansas, the only public institutions with matching CIP Codes are:

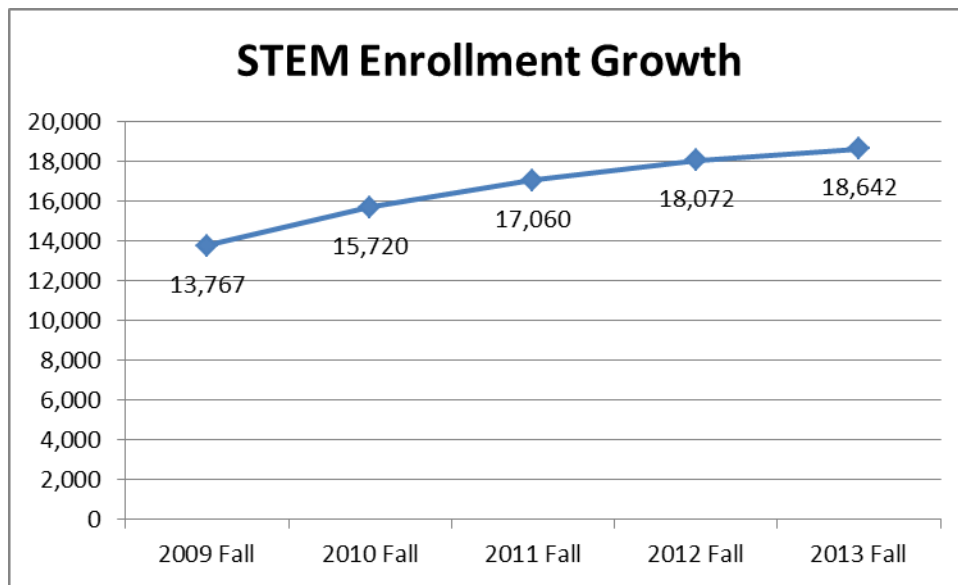
Inst. Type	Institution	Degree Level	Degree Code	Degree Name	CIP Code
1	ATU	7	5675	Instructional Technology	13.0501
1	SAUM	7	5780	Library Media	13.0501
1	UAF	7	5760	Educational Technology	13.0501
1	UAF	7	5770	Instructional Technology	13.0501
1	UAF	8	5777	Educational Statistics & Research Methods	13.0603
1	UAF	8	5778	Educational Program Evaluation	13.0601
1	UAF	17	6777	Educational Statistics & Research Methods	13.0603
1	UALR	7	5760	Learning Systems Technology	13.0501
1	UAM	6	5771	Technology	13.0501
1	UCA	6	6730	Instructional Technology-Distance Education	13.0501
1	UCA	6	6740	Instructional Technology-Technical Support	13.0501
1	UCA	6	6760	Instructional Technology-Media Design and Development	13.0501
1	UCA	7	5760	Instructional Technology	13.0501
1	UCA	7	9310	Library Media & Information Technologies	13.0501
2	SAUT	1	131	Multimedia Audio / Video Production	13.0501
2	SAUT	3	136	Multimedia Audio / Video Production	13.0501
2	SEAC	1	4695	Video Production & Distance Learning Technology	13.0501

The credentials awarded in these “Educational” STEM programs in AY2009-AY2013 were as follows.

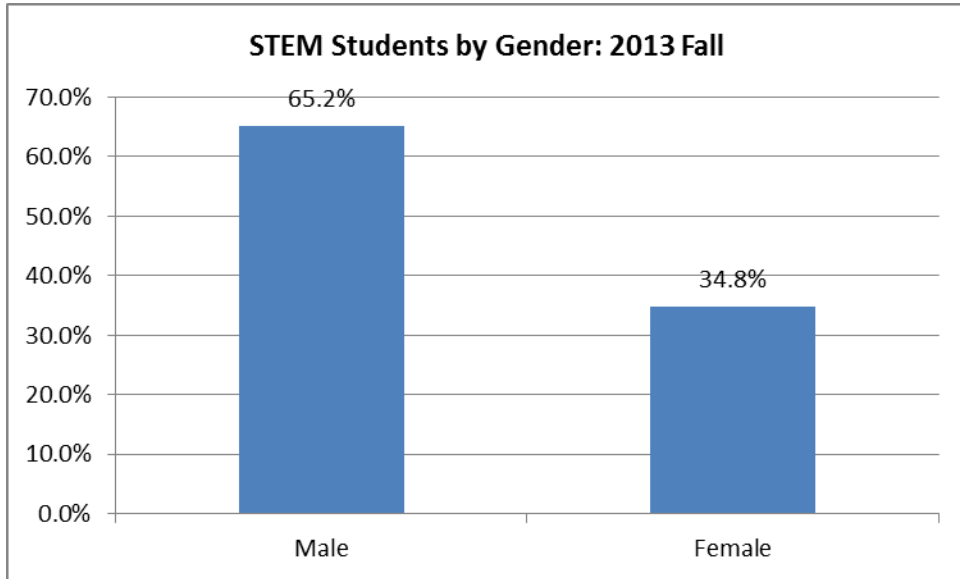
Inst. Type	Institution	Degree Level	Degree Code	CIP Code	AY2009	AY2010	AY2011	AY2012	AY2013
1	ATU	07	5675	13.0501	42	20	18	14	18
1	SAUM	07	5780	13.0501	21	23	12	16	14
1	UAF	07	5760	13.0501	2	11	5	9	11
1	UAF	08	5777	13.0603	3	1	6	3	3
1	UAF	08	5778	13.0601	1	0	1	0	2
1	UAF	17	6777	13.0603	0	1	1	2	1
1	UALR	07	5760	13.0501	8	14	18	17	15
1	UCA	07	5760	13.0501	0	2	3	9	6
2	SAUT	02	0132	13.0501	2	2	0	0	0
P	HU	07	0700	13.0501	0	2	0	0	0
Total					79	76	64	70	70

### Enrollment Trends

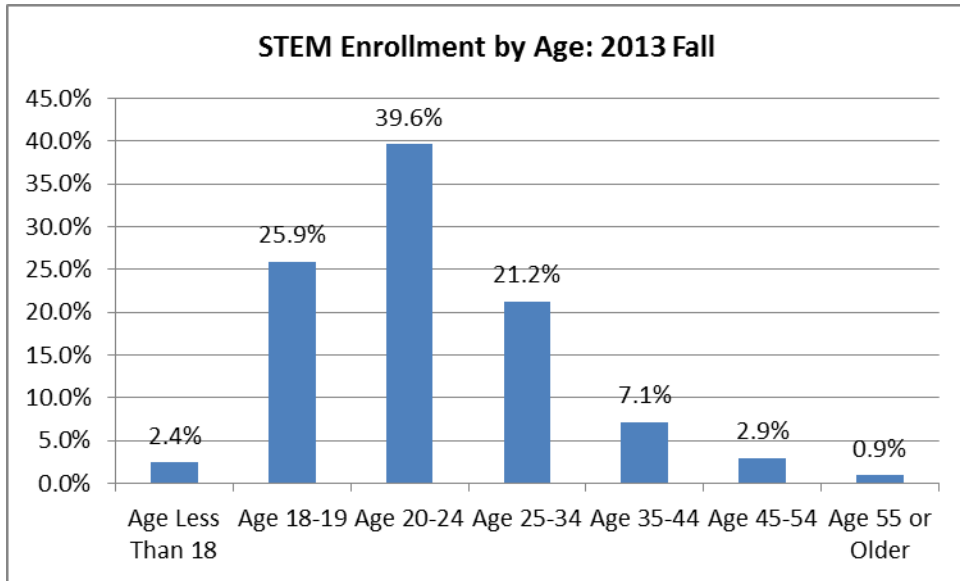
As the following chart illustrates, STEM enrollment has increased substantially. Over the entire 5-year period, STEM enrollment has increased by 35.4 percent. However, this growth has significantly slowed as growth over the last 1-year (fall-to-fall) was only 3.2 percent.



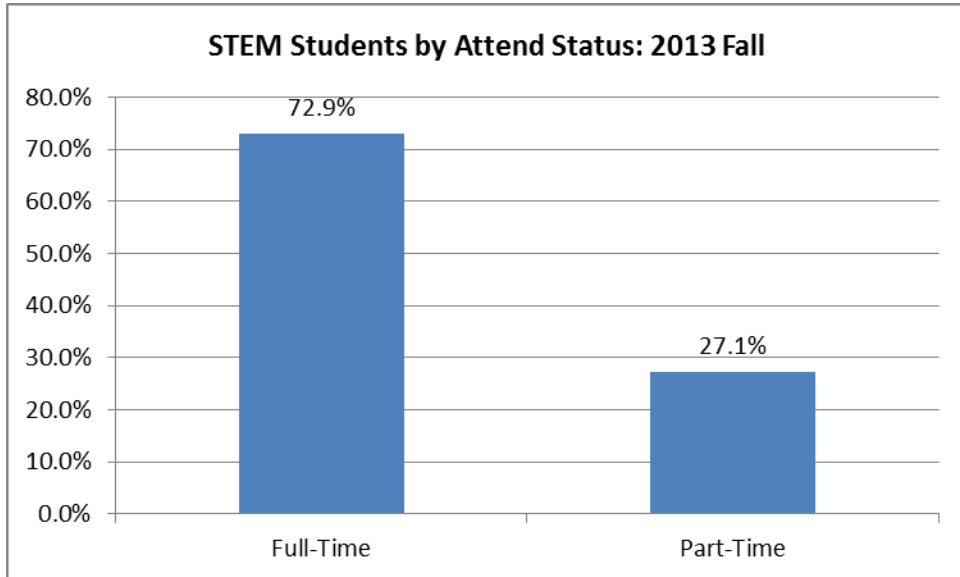
Males substantially outnumber females in the STEM fields.



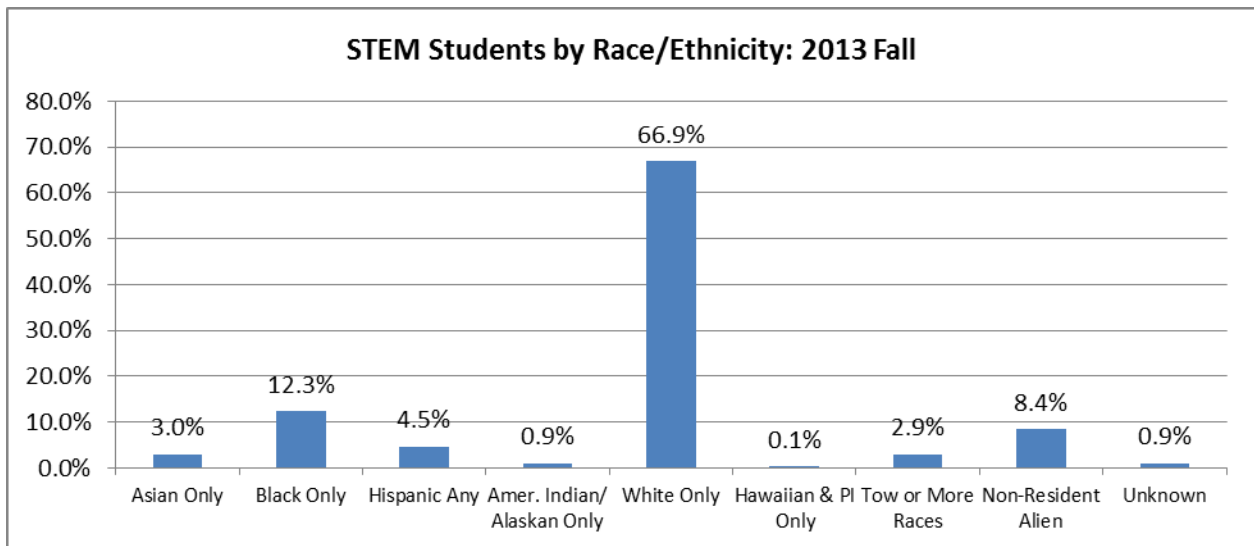
Approximately two-thirds (67.9 percent) of STEM students are age 24 or younger.



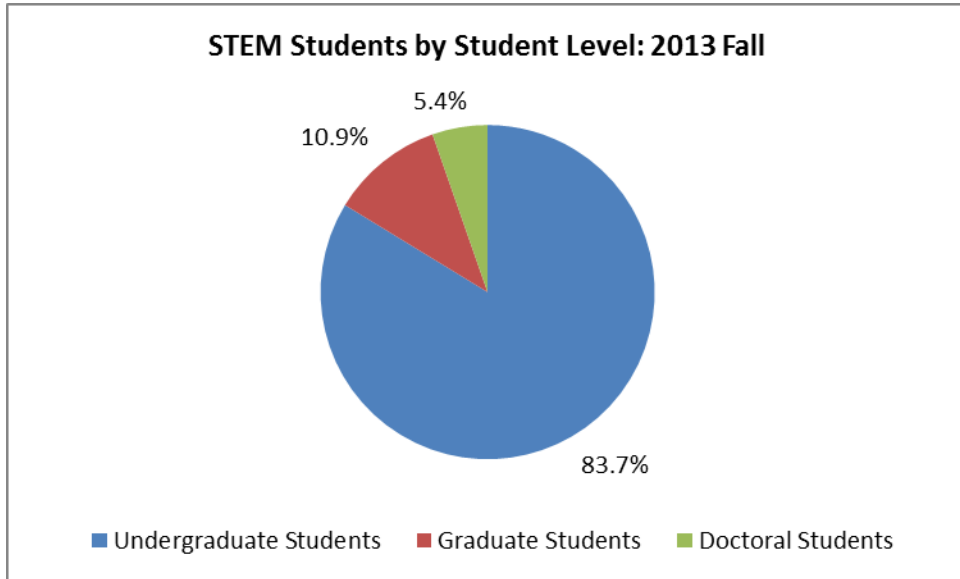
Most STEM students attend college on a full-time basis (72.9 percent).



Whites substantially outnumber other races/ethnicities in the STEM fields.

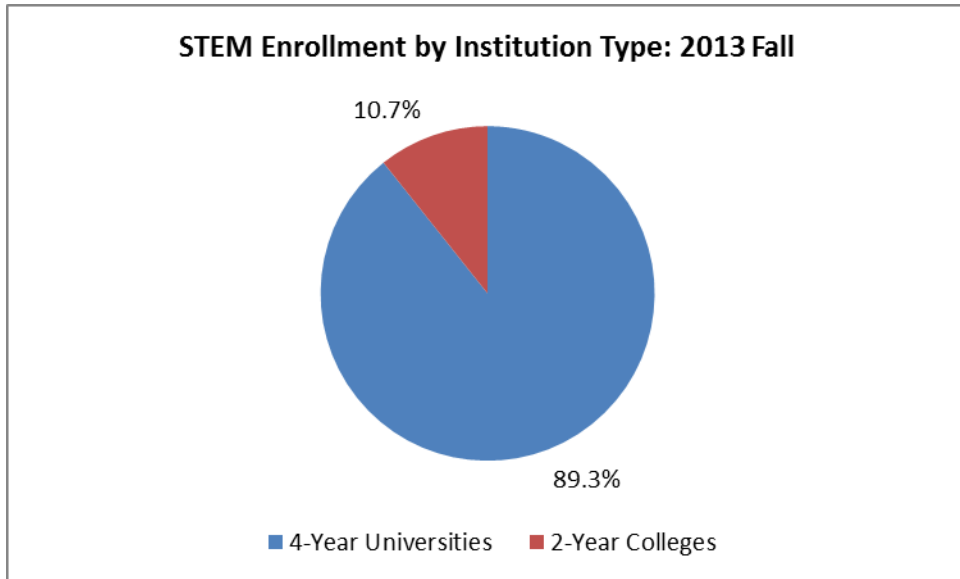


The vast majority of STEM students are undergraduate students.



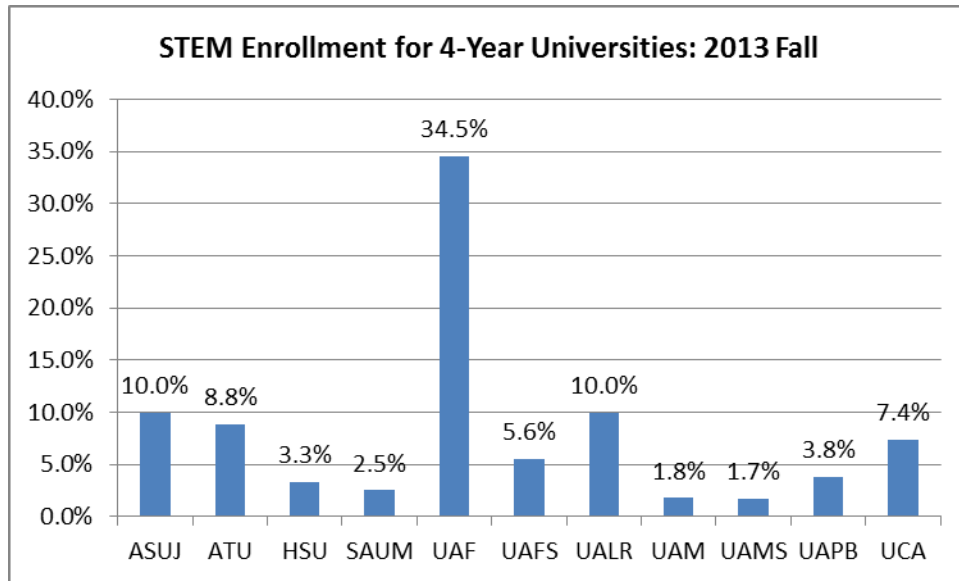
### STEM Enrollment at Institutions

ADHE can track STEM enrollment at public institutions of higher education only. The pie chart below shows that the vast majority of STEM students are enrolled at public 4-Year Universities.

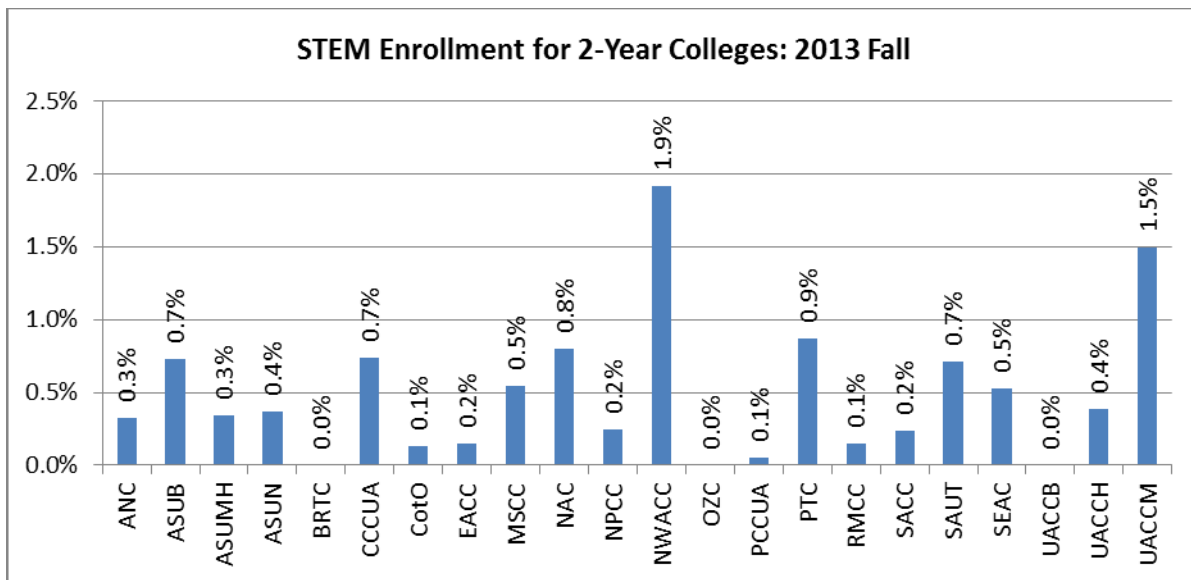




UAF (University of Arkansas, Fayetteville) has the largest share of STEM students followed by ASUJ (Arkansas State University at Jonesboro), and UALR (University of Arkansas at Little Rock). All percentages shown are percentages of the state total for the 2013 Fall term.



While the 2-Year Colleges do not enroll as many STEM students, the enrollment percentage by institution is shown below. NWACC (Northwest Arkansas Community College) has the largest share followed by UACCM (University of Arkansas Community College at Morrilton). All percentages shown are percentages of the state total for the 2013 Fall term.



## **Teachers for STEM Fields**

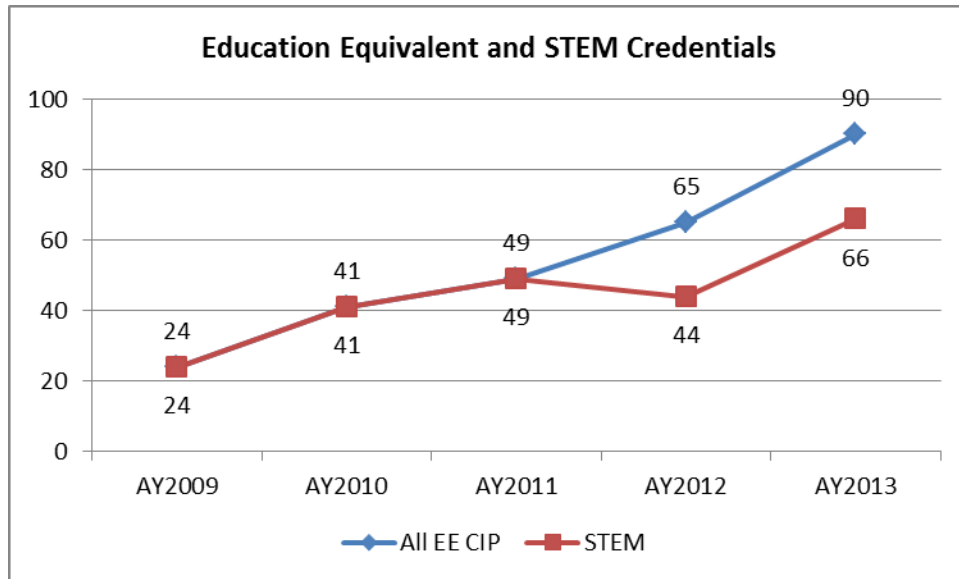
As noted above, the official ICE STEM CIP Codes have few listings for education majors. Therefore, this report takes a different approach in identifying such graduates and students. The following degree names were identified as being in the general STEM category.

1. Advanced Emergency Medical Technology - Paramedic Education
2. Agricultural Education
3. Educational Statistics & Research Methods
4. Educational Statistics and Research Methods
5. Educational Technology
6. Emergency Medical Service - Paramedic Education
7. Health Sciences Education
8. Human Sciences Education
9. Instructional Technology
10. Learning Systems Technology
11. Library Media
12. Mathematics Education
13. Medical Professions Education
14. Multimedia Audio / Video Production
15. Multimedia Film and Video Production
16. Science Education
17. Secondary Science Education

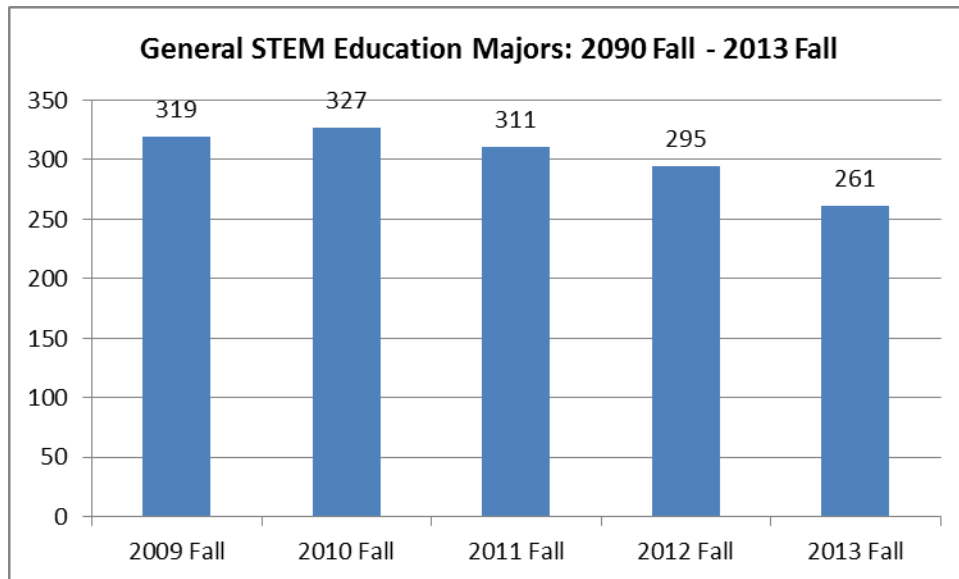
In addition, the Student Information System Database (SISDB) maintained by ADHE contains two fields that identify education students other than by their major. These fields are included because many education majors are identified by CIP Code other than 13 (Education). For example, a Biology Education major may be reported as CIP 26 (Biological and Biomedical Sciences) rather than CIP 13. These fields are EE CIP Code (found in the graduated student file) and UTeach (found in the student file).

In using the above list and the EE CIP Code field from the graduate file, the following is obtained.

ALL EE_CIP_CODE CREDENTIALS									
ALL EE_CIP_CODE CREDENTIALS AWARDED									
Inst. Type	Institution	Degree Level	Award	Degree Name	AY2009	AY2010	AY2011	AY2012	AY2013
1	UAF	05	BSE	Kinesiology	24	41	49	44	61
1	UALR	05	BA	Art	0	0	0	0	3
1	UALR	05	BA	English	0	0	0	0	12
1	UALR	05	BA	French	0	0	0	0	1
1	UALR	05	BA	Mathematics	0	0	0	0	2
1	UALR	05	BA	Political Science	0	0	0	0	1
1	UALR	05	BA	Spanish	0	0	0	0	1
1	UALR	05	BFA	Art	0	0	0	0	1
1	UALR	05	BS	Biology	0	0	0	0	2
1	UALR	05	BS	Geology	0	0	0	0	1
1	UAPB	05	BS	Music	0	0	0	0	5
1	UCA	05	BA	Art	0	0	0	3	0
1	UCA	05	BA	English	0	0	0	11	0
1	UCA	05	BA	Spanish	0	0	0	1	0
1	UCA	05	BM	Music	0	0	0	6	0
Total					24	41	49	65	90
STEM									
Inst. Type	Institution	Degree Level	Award	Degree Name	AY2009	AY2010	AY2011	AY2012	AY2013
1	UAF	05	BSE	Kinesiology	24	41	49	44	61
1	UALR	05	BA	Mathematics	0	0	0	0	2
1	UALR	05	BS	Biology	0	0	0	0	2
1	UALR	05	BS	Geology	0	0	0	0	1
Total					24	41	49	44	66



However, a more likely number of STEM education majors is shown in the following chart. See Attachment 8 for more information.



## Discussion

The good news:

- Overall, the number of total STEM credentials awarded has increased from 2,639 credentials in AY2009 to 4,110 credentials in AY2013 (a 55.7 percent increase).
- STEM credentials awarded at the associate level (including lower level certificates) have increased from 821 credentials in AY2009 to 1,005 credentials in AY2013 (a 22.4 percent increase).
- STEM credentials awarded for bachelor's degrees have increased from 1,486 credentials in AY2009 to 2,241 credentials AY2013 (a 50.8 percent increase).
- STEM credentials awarded for all graduate levels have increased from 332 credentials AY2009 to 864 credentials awarded in AY2013 (a 160.2 percent increase).
- Overall STEM enrollment is up from 13,767 in the 2009 Fall term to 18,642 in the Fall term (a 35.4 percent increase).

## Summary and Recommendations

STEM means jobs!!!! Nearly two-thirds of the jobs in today's economy are high-skill positions. The Arkansas workforce has fewer than half the number of qualified candidates needed to fill these positions. In Arkansas, STEM enrollments have increased over the past five years but not enough to continue the graduation pool so that STEM graduates fill the many job openings that are available. In addition, total credentials awarded in the STEM fields increased but at a slower pace. The number of Baccalaureate credentials awarded has increased over the same time period. In addition, increasing the number of graduates will increase the number of job seekers to fill the STEM jobs in Arkansas.

Borrowing from Change the Equation, “. . .a nonprofit, nonpartisan, CEO-led initiative that is mobilizing the business community to improve the quality of science, technology, engineering and mathematics (STEM) learning in the United States,”<sup>1</sup> the following three recommendations are provided.

#### Ease the Transition between High School and Colleges

Arkansas students should understand the requirements for college admission and whether a high school diploma prepares them for college-level work. One way to ensure that diplomas have meaning is to align state high school graduation and college entrance requirements. Arkansas should also expand access to rigorous courses in math and science. For example, the state could strengthen initiatives that help schools boost participation in AP courses, especially among women and minorities.

#### Stretch the STEM Education Investment

In lean or flush times, Arkansas must improve its return on investment in K-12 STEM education. Every dollar spent should be linked to student mastery of high expectations in STEM courses. This does not mean that resources are not critical to dramatically raising student performance. It does mean that Arkansas has to ask tough questions and make choices about which investments in STEM learning are most closely tied to the goals of college and career readiness.

#### Improve Teacher Preparation and Support

Arkansas needs more teachers with a strong background in STEM content and pedagogy, particularly in math. Strategies include requiring teachers to demonstrate a stronger grasp of content while broadening the supply of teachers who can clear the higher hurdles. Arkansas should create more pathways into teaching for STEM majors in college or STEM professionals who are interested in teaching. The state should also strengthen incentives to attract and retain such teachers for the schools that need them most – often in low-income communities.

Current teachers must receive excellent professional development, especially as new math and science standards take effect. Rather than reporting on the amount of professional development teachers receive, states should measure and report on its quality. (Source: Change the Equation.org, September 2012, Retrieved from <http://vitalsigns.changetheequation.org/tcpdf/vitalsigns/newsletter.php?statename=Arkansas>)

Arkansas policymakers, business and industry, and educators must consider these outcomes in order to fix the gap between employers and STEM job seekers:

1. Create the basis for a new data-driven jobs and careers marketplace that will accurately reflect the employment needs of companies and the skill requirements necessary to obtain jobs, making it easier for both sides to match supply and demand;
2. Inform educators and policymakers of the innovation needed in the classroom and beyond to better align skills with jobs;

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<sup>1</sup> Change the Equation.org. (February, 10, 2014). Retrieved from <http://changetheequation.org/about-change-equation>.

3. Produce a statewide leadership consensus on implementing programs that demonstrate success and can scale to a statewide level;
4. Showcase the industry/government/education partnerships that are doing the best at aligning skills with jobs;
5. Increase public and political awareness of the expanding skills gap and the devastating effect it is having on the economy as a whole and certain segments of Arkansas' society in particular; and
6. Develop a policy that promotes the study of computer science from middle school through college to produce more computer science skilled workers.

In order to increase the number of graduates, higher education institutions should consider establishing support mechanisms, such as:

1. Create residential STEM communities or STEM dormitories;
2. Provide special access to tutors;
3. Create customized or special new student orientations for STEM students;
4. Create and promoting STEM student organizations and/or social organizations;
5. Provide targeted scholarships for juniors and/or seniors in STEM fields;
6. Develop education and engineering internships for STEM students;
7. Continue to develop new programs, such as UTeach, to increase the number of new, certified secondary STEM teachers;
8. Train college faculty to use technology in classroom instruction;
9. Improve data collection at the university and state levels in STEM education fields as well as in STEM hard sciences so that there is accurate data on which to study trends;
10. Increase graduate assistantships and other mechanisms to promote research, laboratory science, and engineering opportunities; and
11. Promote the need of STEM majors in the workforce after college graduation in the state of Arkansas. With gas companies moving to Arkansas to drill for natural gas, there has been a surge in the number of engineers needed in the state.

Additionally, K-12 and higher education agencies should:

1. Develop the vision for every high school to have a 21<sup>st</sup> century learning environment;
2. Integrate engineering education into K-12 instruction by designing challenging content and curricula frameworks and assessments that include engineering;
3. Increase engineering and technology teacher preparation programs and recruit qualified teachers to provide engineering education in high-needs schools;
4. Promote aspirations for a STEM career particularly in engineering among diverse student populations, especially among girls and underrepresented minorities;
5. Invest in afterschool K-12 STEM programs;
6. Invite non-profit organizations and informal science organizations to sponsor after school STEM programs;
7. Invest in professional development that trains teachers how to incorporate technology into the instructional process;
8. Allow students to use technology to facilitate learning while working on educational projects that incorporate curriculum elements from multiple classes;
9. Increase the rigor and time for hands-on learning, and the understanding of science concepts in the elementary schools (K-5);

10. Promote STEM competitions such as Math Counts, robotics competitions, and science fairs; and
11. Promote active partnerships among K-12 school administrators, teachers and business, manufacturing and engineering professionals.
12. Create an Arkansas K-12 computer science curriculum and require school districts to promote a computer science credit for all high school graduating students.

### List of Attachments

Attachment 1A	STEM Credentials Awarded by Institution for AY2009-AY2013: All
Attachment 1B	STEM Credentials Awarded by Institution for AY2009-AY2013: Diplomas
Attachment 1C	STEM Credentials Awarded by Institution for AY2009-AY2013: Certificates of Proficiency
Attachment 1D	STEM Credentials Awarded by Institution for AY2009-AY2013: Technical Certificates
Attachment 1E	STEM Credentials Awarded by Institution for AY2009-AY2013: Associate Degrees
Attachment 1F	STEM Credentials Awarded by Institution for AY2009-AY2013: Advanced Certificates
Attachment 1G	STEM Credentials Awarded by Institution for AY2009-AY2013: Bachelor Degrees
Attachment 1H	STEM Credentials Awarded by Institution for AY2009-AY2013: Post-Baccalaureate Certificates
Attachment 1I	STEM Credentials Awarded by Institution for AY2009-AY2013: Masters Degrees
Attachment 1J	STEM Credentials Awarded by Institution for AY2009-AY2013: Specialist Degrees
Attachment 1K	STEM Credentials Awarded by Institution for AY2009-AY2013: Doctoral Degrees-Research/Scholarship
Attachment 1L	STEM Credentials Awarded by Institution for AY2009-AY2013: Doctoral Degrees-Professional Practice
Attachment 2	STEM Credentials Awarded for AY2009 – 2013 by 2-Digit STEM CIP Code Category
Attachment 3	STEM Credentials Awarded for AY2009 – 2013 by 6-Digit STEM CIP Code
Attachment 4	STEM Credentials as a Percent of Total Credentials Awarded: AY2009-AY2013
Attachment 5	STEM Bachelor Graduates in Graduate School
Attachment 6	STEM Enrollment: 2009 Fall – 2013 Fall
Attachment 7A	Education Credentials Awarded AY2009 – AY2013: Summary
Attachment 7B	Education Credentials Awarded AY2009 – AY2013: Detailed Listing
Attachment 8	General STEM Education Majors
Attachment 9	STEM CIP Codes from ICE

STEM Credentials Awarded: All							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ	171	205	277	288	343
2	1	ATU	180	180	225	260	273
3	1	HSU	33	45	47	46	57
4	1	SAUM	38	31	48	73	69
5	1	UAF	669	851	1,144	1,195	1,210
6	1	UAFS	144	136	110	112	161
7	1	UALR	241	217	279	342	360
8	1	UAM	40	57	56	101	81
9	1	UAMS	36	16	29	94	107
10	1	UAPB	53	52	62	88	77
11	1	UCA	140	161	159	209	176
12	2	ANC			21	10	18
13	2	ASUB	119	85	113	93	94
14	2	ASUMH	21	26	18	39	43
15	2	ASUN		35	42	37	32
16	2	BRTC					
17	2	CCCUA					
18	2	CotO	22	99	30	39	37
19	2	EACC	36	49	45	53	16
20	2	MSCC	31	30	27	31	23
21	2	NAC	42	51	37	56	56
22	2	NPCC				11	19
23	2	NWACC	43	41	69	63	93
24	2	OZC					
25	2	PCCUA	54	26	59	23	18
26	2	PTC	17	24	18	34	24
27	2	RMCC					11
28	2	SACC					
29	2	SAUT	34	19	34	86	57
30	2	SEAC	50	41	52	72	22
31	2	UACCB					
32	2	UACCH		16	55	46	24
33	2	UACCM	177	248	263	281	217
34	P	ABC					
35	P	CBC		11	11	15	
36	P	CRC					
37	P	HC	47	82	72	99	99
38	P	HU	65	77	89	123	91
39	P	JBU	21	41	62	53	52
40	P	LC	25	31	29	27	38
41	P	OBU	38	35	27	54	50
42	P	PSC	10	14	20	26	30
43	P	UO		17	17	20	
44	P	WBC		15	11		11
45	V	BSN					
46	V	JSN					
4-Year Universities			1,745	1,951	2,436	2,808	2,914
2-Year Colleges			672	809	905	982	811
Independent and Vocational			222	323	338	423	385
Total			2,639	3,083	3,679	4,213	4,110

NOTE: All counts less than 10 are not shown due to FERPA.



<b>STEM Credentials Awarded: Diplomas</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS					
7	1	UALR					
8	1	UAM					
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	2	ANC					
13	2	ASUB					
14	2	ASUMH					
15	2	ASUN					
16	2	BRTC					
17	2	CCCUA					
18	2	CotO					
19	2	EACC					
20	2	MSCC					
21	2	NAC					
22	2	NPCC					
23	2	NWACC					
24	2	OZC					
25	2	PCCUA					
26	2	PTC					
27	2	RMCC					
28	2	SACC					
29	2	SAUT					
30	2	SEAC					
31	2	UACCB					
32	2	UACCH					
33	2	UACCM					
34	P	ABC					
35	P	CBC					
36	P	CRC					
37	P	HC					
38	P	HU					
39	P	JBU					
40	P	LC					
41	P	OBU					
42	P	PSC					
43	P	UO					
44	P	WBC					
45	V	BSN					
46	V	JSN					
4-Year Universities							
2-Year Colleges							
Independent and Vocational							
Total							

NOTE: (1) Diplomas are not generally considered as a higher education credential. However, they are being included here as the Nursing Schools (BSN and JSN) report credentials awarded to ADHE. (2) All counts less than 10 are not shown due to

<b>STEM Credentials Awarded: Certificates of Proficiency</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS	35	23	14		16
7	1	UALR					
8	1	UAM					
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	2	ANC					
13	2	ASUB	73	57	65	53	62
14	2	ASUMH		13			12
15	2	ASUN		22	12	19	11
16	2	BRTC					
17	2	CCCUA					
18	2	CotO	16	72	21	27	25
19	2	EACC					
20	2	MSCC	26	20	12	23	13
21	2	NAC		13		14	16
22	2	NPCC					
23	2	NWACC	15	13	25	20	26
24	2	OZC					
25	2	PCCUA	41	15	27		
26	2	PTC					
27	2	RMCC					
28	2	SACC					
29	2	SAUT	24		19	26	32
30	2	SEAC					
31	2	UACCB					
32	2	UACCH					
33	2	UACCM	63	81	91	111	69
34	P	ABC					
35	P	CBC					
36	P	CRC					
37	P	HC					
38	P	HU					
39	P	JBU					
40	P	LC					
41	P	OBU					
42	P	PSC					
43	P	UO					
44	P	WBC					
45	V	BSN					
46	V	JSN					
4-Year Universities			35	23	14		25
2-Year Colleges			284	330	314	329	295
Independent and Vocational							
Total			319	353	328	333	320

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Technical Certificates</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU				14	14
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS	27	13	15	10	17
7	1	UALR					
8	1	UAM	13	21	29	20	33
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	2	ANC					
13	2	ASUB	13		13		17
14	2	ASUMH				16	18
15	2	ASUN		10	21	11	
16	2	BRTC					
17	2	CCCUA					
18	2	CotO		12			
19	2	EACC	31	42	41	44	11
20	2	MSCC					
21	2	NAC		12		16	
22	2	NPCC					11
23	2	NWACC				11	21
24	2	OZC					
25	2	PCCUA			17		
26	2	PTC		15			
27	2	RMCC					
28	2	SACC					
29	2	SAUT				10	
30	2	SEAC	31	25	32	50	14
31	2	UACCB					
32	2	UACCH					
33	2	UACCM	64	88	84	91	75
34	P	ABC					
35	P	CBC					
36	P	CRC					
37	P	HC					
38	P	HU					
39	P	JBU					
40	P	LC					
41	P	OBU					
42	P	PSC					
43	P	UO					
44	P	WBC					
45	V	BSN					
46	V	JSN					
4-Year Universities			41	35	47	44	64
2-Year Colleges			171	235	252	296	217
Independent and Vocational							
Total			212	270	299	340	281

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Associate Degrees</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					12
2	1	ATU	20	20	31	29	24
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS	40	46	28	27	35
7	1	UALR		10		10	
8	1	UAM					
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	2	ANC			15	10	16
13	2	ASUB	33	23	35	32	15
14	2	ASUMH	14	11	11	16	13
15	2	ASUN					12
16	2	BRTC					
17	2	CCCUA					
18	2	CotO		15			
19	2	EACC					
20	2	MSCC		10	14		10
21	2	NAC	27	26	20	26	34
22	2	NPCC					
23	2	NWACC	22	25	39	32	46
24	2	OZC					
25	2	PCCUA			15		
26	2	PTC	14			26	19
27	2	RMCC					
28	2	SACC					
29	2	SAUT		10		50	21
30	2	SEAC	19	16	19	21	
31	2	UACCB					
32	2	UACCH			47	29	12
33	2	UACCM	50	79	88	79	73
34	P	ABC					
35	P	CBC					
36	P	CRC					
37	P	HC					
38	P	HU					
39	P	JBU					
40	P	LC					
41	P	OBU					
42	P	PSC					
43	P	UO					
44	P	WBC					
45	V	BSN					
46	V	JSN					
4-Year Universities			73	86	73	80	79
2-Year Colleges			215	244	339	357	299
Independent and Vocational							
Total			288	332	412	439	378

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Advanced Certificates</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS					
7	1	UALR					
8	1	UAM				23	23
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	2	ANC					
13	2	ASUB					
14	2	ASUMH					
15	2	ASUN					
16	2	BRTC					
17	2	CCCUA					
18	2	CotO					
19	2	EACC					
20	2	MSCC					
21	2	NAC					
22	2	NPCC					
23	2	NWACC					
24	2	OZC					
25	2	PCCUA					
26	2	PTC					
27	2	RMCC					
28	2	SACC					
29	2	SAUT					
30	2	SEAC					
31	2	UACCB					
32	2	UACCH					
33	2	UACCM					
34	P	ABC					
35	P	CBC					
36	P	CRC					
37	P	HC					
38	P	HU					
39	P	JBU					
40	P	LC					
41	P	OBU					
42	P	PSC					
43	P	UO					
44	P	WBC					
45	V	BSN					
46	V	JSN					
4-Year Universities						23	23
2-Year Colleges							
Independent and Vocational							
Total						23	23

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Bachelor (Baccalaureate) Degrees</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ	156	181	219	225	271
2	1	ATU	130	139	159	175	177
3	1	HSU	33	45	47	46	57
4	1	SAUM	34	28	42	51	54
5	1	UAF	488	486	657	690	701
6	1	UAFS	42	54	53	71	93
7	1	UALR	192	164	211	203	216
8	1	UAM	22	27	23	54	23
9	1	UAMS				45	45
10	1	UAPB	53	52	62	88	77
11	1	UCA	114	134	131	165	145
12	P	ABC					
13	P	CBC		10	11	14	
14	P	CRC					
15	P	HC	47	82	72	99	99
16	P	HU	65	77	89	123	91
17	P	JBU	21	40	62	52	52
18	P	LC	25	31	29	27	38
19	P	OBU	38	35	27	54	50
20	P	PSC	10	14	20	26	30
21	P	UO		17	17	20	
22	P	WBC		15	11		11
4-Year Universities			1,264	1,310	1,604	1,813	1,859
2-Year Colleges							
Independent and Vocational			222	321	338	421	382
Total			1,486	1,631	1,942	2,234	2,241

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Post-Baccalaureate Certificates</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS					
7	1	UALR				20	20
8	1	UAM					
9	1	UAMS					27
10	1	UAPB					
11	1	UCA					
12	P	ABC					
13	P	CBC					
14	P	CRC					
15	P	HC					
16	P	HU					
17	P	JBU					
18	P	LC					
19	P	OBU					
20	P	PSC					
21	P	UO					
22	P	WBC					
4-Year Universities						25	48
2-Year Colleges							
Independent and Vocational							
Total						25	48

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Masters Degrees</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ	15	24	57	53	54
2	1	ATU	29	20	32	42	49
3	1	HSU					
4	1	SAUM				19	15
5	1	UAF	136	306	403	432	398
6	1	UAFS					
7	1	UALR	32	27	48	84	95
8	1	UAM					
9	1	UAMS	14		12	25	19
10	1	UAPB					
11	1	UCA	26	27	28	44	31
12	P	ABC					
13	P	CBC					
14	P	CRC					
15	P	HC					
16	P	HU					
17	P	JBU					
18	P	LC					
19	P	OBU					
20	P	PSC					
21	P	UO					
22	P	WBC					
4-Year Universities			255	410	584	699	661
2-Year Colleges							
Independent and Vocational							
<b>Total</b>			<b>255</b>	<b>410</b>	<b>584</b>	<b>699</b>	<b>661</b>

NOTE: All counts less than 10 are not shown due to FERPA.



<b>STEM Credentials Awarded: Specialist Degrees, etc.</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS					
7	1	UALR					
8	1	UAM					
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	P	ABC					
13	P	CBC					
14	P	CRC					
15	P	HC					
16	P	HU					
17	P	JBU					
18	P	LC					
19	P	OBU					
20	P	PSC					
21	P	UO					
22	P	WBC					
4-Year Universities							
2-Year Colleges							
Independent and Vocational							
Total							

NOTE: (1) This group of credentials may include Specialist Degrees, Post-Masters Certificates, and related credentials. (2) All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Doctoral Degrees-Research/Scholarship</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF	45	59	78	70	105
6	1	UAFS					
7	1	UALR	10	15	11	25	23
8	1	UAM					
9	1	UAMS	22	12	14	19	16
10	1	UAPB					
11	1	UCA					
12	P	ABC					
13	P	CBC					
14	P	CRC					
15	P	HC					
16	P	HU					
17	P	JBU					
18	P	LC					
19	P	OBU					
20	P	PSC					
21	P	UO					
22	P	WBC					
4-Year Universities			77	86	104	117	150
2-Year Colleges							
Independent and Vocational							
Total			77	86	104	117	150

NOTE: All counts less than 10 are not shown due to FERPA.

<b>STEM Credentials Awarded: Doctoral Degrees-Professional Practice</b>							
#	Inst Type	Institution	2009	2010	2011	2012	2013
1	1	ASUJ					
2	1	ATU					
3	1	HSU					
4	1	SAUM					
5	1	UAF					
6	1	UAFS					
7	1	UALR					
8	1	UAM					
9	1	UAMS					
10	1	UAPB					
11	1	UCA					
12	P	ABC					
13	P	CBC					
14	P	CRC					
15	P	HC					
16	P	HU					
17	P	JBU					
18	P	LC					
19	P	OBU					
20	P	PSC					
21	P	UO					
22	P	WBC					
4-Year Universities							
2-Year Colleges							
Independent and Vocational							
Total							

NOTE: All counts less than 10 are not shown due to FERPA.

### STEM Credentials Awarded by 2-Digit CIP Code Category

#	Inst Type	CIP2	CIP Description	Graduating Academic Year					Total	Percent
				2009	2010	2011	2012	2013		
1	ALL	01	AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES			120	138	141	399	2.3%
2	ALL	03	NATURAL RESOURCES AND CONSERVATION			34	95	77	206	1.2%
3	ALL	04	ARCHITECTURE AND RELATED SERVICES							0.0%
4	ALL	09	COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS			30	29	21	80	0.5%
5	ALL	10	COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES							0.0%
6	ALL	11	COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES	499	485	557	663	653	2,857	16.1%
7	ALL	13	EDUCATION				70	70	147	0.8%
8	ALL	14	ENGINEERING	461	503	551	559	644	2,718	15.3%
9	ALL	15	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS	723	990	1,172	1,164	992	5,041	28.4%
10	ALL	26	BIOLOGICAL AND BIOMEDICAL SCIENCES	613	707	723	820	748	3,611	20.4%
11	ALL	27	MATHEMATICS AND STATISTICS	116	134	128	166	172	716	4.0%
12	ALL	28	MILITARY SCIENCE, LEADERSHIP AND OPERATIONAL ART							0.0%
13	ALL	29	MILITARY TECHNOLOGIES AND APPLIED SCIENCES				15		27	0.2%
14	ALL	30	MULTI/INTERDISCIPLINARY STUDIES			26	41	43	110	0.6%
15	ALL	40	PHYSICAL SCIENCES	224	264	319	371	436	1,614	9.1%
16	ALL	41	SCIENCE TECHNOLOGIES/TECHNICIANS							0.0%
17	ALL	42	PSYCHOLOGY							0.0%
18	ALL	43	HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES			12		15	31	0.2%
19	ALL	45	SOCIAL SCIENCES							0.0%
20	ALL	49	TRANSPORTATION AND MATERIALS MOVING					12	12	0.1%
21	ALL	51	HEALTH PROFESSIONS AND RELATED PROGRAMS				71	73	144	0.8%
22	ALL	52	BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES							0.0%
Totals				2,639	3,083	3,679	4,213	4,110	17,724	100.0%

NOTE: All counts of less than 10 are not shown due to FERPA.

## STEM Credentials Awarded by 6-Digit CIP Code

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
1	ALL	01	01.0308	Agroecology and Sustainable Agriculture							0.0%
2	ALL	01	01.0901	Animal Sciences, General			48	59	65	172	1.0%
3	ALL	01	01.0902	Agricultural Animal Breeding							0.0%
4	ALL	01	01.0903	Animal Health							0.0%
5	ALL	01	01.0904	Animal Nutrition							0.0%
6	ALL	01	01.0905	Dairy Science							0.0%
7	ALL	01	01.0906	Livestock Management							0.0%
8	ALL	01	01.0907	Poultry Science			28	21	26	75	0.4%
9	ALL	01	01.0999	Animal Sciences, Other							0.0%
10	ALL	01	01.1001	Food Science			20	27	15	62	0.3%
11	ALL	01	01.1002	Food Technology and Processing							0.0%
12	ALL	01	01.1099	Food Science and Technology, Other							0.0%
13	ALL	01	01.1101	Plant Sciences, General			11		14	30	0.2%
14	ALL	01	01.1102	Agronomy and Crop Science			10	20	17	47	0.3%
15	ALL	01	01.1103	Horticultural Science						11	0.1%
16	ALL	01	01.1104	Agricultural and Horticultural Plant Breeding							0.0%
17	ALL	01	01.1105	Plant Protection and Integrated Pest Management							0.0%
18	ALL	01	01.1106	Range Science and Management							0.0%
19	ALL	01	01.1199	Plant Sciences, Other							0.0%
20	ALL	01	01.1201	Soil Science and Agronomy, General							0.0%
21	ALL	01	01.1202	Soil Chemistry and Physics							0.0%
22	ALL	01	01.1203	Soil Microbiology							0.0%
23	ALL	01	01.1299	Soil Sciences, Other							0.0%
24	ALL	03	03.0101	Natural Resources/Conservation, General							0.0%
25	ALL	03	03.0103	Environmental Studies				30	32	62	0.3%
26	ALL	03	03.0104	Environmental Science			34	27	19	80	0.5%
27	ALL	03	03.0199	Natural Resources Conservation and Research, Other							0.0%
28	ALL	03	03.0205	Water, Wetlands, and Marine Resources Management							0.0%
29	ALL	03	03.0502	Forest Sciences and Biology							0.0%
30	ALL	03	03.0508	Urban Forestry							0.0%
31	ALL	03	03.0509	Wood Science and Wood Products/Pulp and Paper Technology							0.0%
32	ALL	03	03.0601	Wildlife, Fish and Wildlands Science and Management				38	26	64	0.4%
33	ALL	04	04.0902	Architectural and Building Sciences/Technology							0.0%
34	ALL	09	09.0702	Digital Communication and Media/Multimedia			30	29	21	80	0.5%
35	ALL	10	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects							0.0%
36	ALL	11	11.0101	Computer and Information Sciences, General	194	249	287	321	358	1,409	7.9%
37	ALL	11	11.0102	Artificial Intelligence							0.0%
38	ALL	11	11.0103	Information Technology	56	41	63	61	55	276	1.6%
39	ALL	11	11.0104	Informatics							0.0%
40	ALL	11	11.0199	Computer and Information Sciences, Other				20	18	38	0.2%
41	ALL	11	11.0201	Computer Programming/Programmer, General		24	13	18	18	81	0.5%
42	ALL	11	11.0202	Computer Programming, Specific Applications							0.0%
43	ALL	11	11.0203	Computer Programming, Vendor/Product Certification						23	0.1%
44	ALL	11	11.0299	Computer Programming, Other							0.0%
45	ALL	11	11.0301	Data Processing and Data Processing Technology/Technician	70	31	23	31	23	178	1.0%
46	ALL	11	11.0401	Information Science/Studies	29	27	30	49	54	189	1.1%
47	ALL	11	11.0501	Computer Systems Analysis/Analyst	28					12	0.3%
48	ALL	11	11.0701	Computer Science	35	30	45	50	33	193	1.1%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
49	ALL	11	11.0801	Web Page, Digital/Multimedia and Information Resources Design						16	0.1%
50	ALL	11	11.0802	Data Modeling/Warehousing and Database Administration							0.0%
51	ALL	11	11.0803	Computer Graphics							0.0%
52	ALL	11	11.0804	Modeling, Virtual Environments and Simulation							0.0%
53	ALL	11	11.0899	Computer Software and Media Applications, Other				14	13	27	0.2%
54	ALL	11	11.0901	Computer Systems Networking and Telecommunications	59	44	61	56	43	263	1.5%
55	ALL	11	11.1001	Network and System Administration/Administrator							0.0%
56	ALL	11	11.1002	System, Networking, and LAN/WAN Management/Manager			12	21		56	0.3%
57	ALL	11	11.1003	Computer and Information Systems Security/Information Assurance		17				45	0.3%
58	ALL	11	11.1004	Web/Multimedia Management and Webmaster							0.0%
59	ALL	11	11.1005	Information Technology Project Management							0.0%
60	ALL	11	11.1006	Computer Support Specialist							0.0%
61	ALL	11	11.1099	Computer/Information Technology Services Administration and Management, Other							0.0%
62	ALL	13	13.0501	Educational/Instructional Technology				65	64	129	0.7%
63	ALL	13	13.0601	Educational Evaluation and Research							0.0%
64	ALL	13	13.0603	Educational Statistics and Research Methods						16	0.1%
65	ALL	14	14.0101	Engineering, General	64	78	60	64	108	374	2.1%
66	ALL	14	14.0102	Pre-Engineering							0.0%
67	ALL	14	14.0201	Aerospace, Aeronautical and Astronautical/Space Engineering							0.0%
68	ALL	14	14.0301	Agricultural Engineering	30	25	24	28	29	136	0.8%
69	ALL	14	14.0401	Architectural Engineering							0.0%
70	ALL	14	14.0501	Bioengineering and Biomedical Engineering							0.0%
71	ALL	14	14.0601	Ceramic Sciences and Engineering							0.0%
72	ALL	14	14.0701	Chemical Engineering	35	35	47	32	40	189	1.1%
73	ALL	14	14.0702	Chemical and Biomolecular Engineering							0.0%
74	ALL	14	14.0799	Chemical Engineering, Other							0.0%
75	ALL	14	14.0801	Civil Engineering, General	58	72	63	69	100	362	2.0%
76	ALL	14	14.0802	Geotechnical and Geoenvironmental Engineering							0.0%
77	ALL	14	14.0803	Structural Engineering							0.0%
78	ALL	14	14.0804	Transportation and Highway Engineering							0.0%
79	ALL	14	14.0805	Water Resources Engineering							0.0%
80	ALL	14	14.0899	Civil Engineering, Other							0.0%
81	ALL	14	14.0901	Computer Engineering, General	32	20	25	23	25	125	0.7%
82	ALL	14	14.0902	Computer Hardware Engineering							0.0%
83	ALL	14	14.0903	Computer Software Engineering							0.0%
84	ALL	14	14.0999	Computer Engineering, Other							0.0%
85	ALL	14	14.1001	Electrical and Electronics Engineering	82	77	97	78	92	426	2.4%
86	ALL	14	14.1003	Laser and Optical Engineering							0.0%
87	ALL	14	14.1004	Telecommunications Engineering							0.0%
88	ALL	14	14.1099	Electrical, Electronics and Communications Engineering, Other							0.0%
89	ALL	14	14.1101	Engineering Mechanics							0.0%
90	ALL	14	14.1201	Engineering Physics/Applied Physics							0.0%
91	ALL	14	14.1301	Engineering Science							0.0%
92	ALL	14	14.1401	Environmental/Environmental Health Engineering							0.0%
93	ALL	14	14.1801	Materials Engineering							0.0%
94	ALL	14	14.1901	Mechanical Engineering	97	143	141	167	147	695	3.9%
95	ALL	14	14.2001	Metallurgical Engineering							0.0%
96	ALL	14	14.2101	Mining and Mineral Engineering							0.0%
97	ALL	14	14.2201	Naval Architecture and Marine Engineering							0.0%
98	ALL	14	14.2301	Nuclear Engineering							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
99	ALL	14	14.2401	Ocean Engineering							0.0%
100	ALL	14	14.2501	Petroleum Engineering							0.0%
101	ALL	14	14.2701	Systems Engineering	19	20	30	41	44	154	0.9%
102	ALL	14	14.2801	Textile Sciences and Engineering							0.0%
103	ALL	14	14.3101	Materials Science							0.0%
104	ALL	14	14.3201	Polymer/Plastics Engineering							0.0%
105	ALL	14	14.3301	Construction Engineering							0.0%
106	ALL	14	14.3401	Forest Engineering							0.0%
107	ALL	14	14.3501	Industrial Engineering	40	31	59	54	42	226	1.3%
108	ALL	14	14.3601	Manufacturing Engineering							0.0%
109	ALL	14	14.3701	Operations Research							0.0%
110	ALL	14	14.3801	Surveying Engineering							0.0%
111	ALL	14	14.3901	Geological/Geophysical Engineering							0.0%
112	ALL	14	14.4001	Paper Science and Engineering							0.0%
113	ALL	14	14.4101	Electromechanical Engineering							0.0%
114	ALL	14	14.4201	Mechatronics, Robotics, and Automation Engineering							0.0%
115	ALL	14	14.4301	Biochemical Engineering							0.0%
116	ALL	14	14.4401	Engineering Chemistry							0.0%
117	ALL	14	14.4501	Biological/Biosystems Engineering							0.0%
118	ALL	14	14.9999	Engineering, Other							0.0%
119	ALL	15	15.0000	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS							0.0%
120	ALL	15	15.0101	Architectural Engineering Technology/Technician							0.0%
121	ALL	15	15.0201	Civil Engineering Technology/Technician							0.0%
122	ALL	15	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	41	46	93	81	31	292	1.6%
123	ALL	15	15.0304	Laser and Optical Technology/Technician							0.0%
124	ALL	15	15.0305	Telecommunications Technology/Technician							0.0%
125	ALL	15	15.0306	Integrated Circuit Design							0.0%
126	ALL	15	15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other				11	16	27	0.2%
127	ALL	15	15.0401	Biomedical Technology/Technician						22	0.1%
128	ALL	15	15.0403	Electromechanical Technology/Electromechanical Engineering Technology		18	23	17	28	93	0.5%
129	ALL	15	15.0404	Instrumentation Technology/Technician							0.0%
130	ALL	15	15.0405	Robotics Technology/Technician							0.0%
131	ALL	15	15.0406	Automation Engineer Technology/Technician							0.0%
132	ALL	15	15.0499	Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other				23	23	46	0.3%
133	ALL	15	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician							0.0%
134	ALL	15	15.0503	Energy Management and Systems Technology/Technician							0.0%
135	ALL	15	15.0505	Solar Energy Technology/Technician							0.0%
136	ALL	15	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician							0.0%
137	ALL	15	15.0507	Environmental Engineering Technology/Environmental Technology	19	13		12		61	0.3%
138	ALL	15	15.0508	Hazardous Materials Management and Waste Technology/Technician							0.0%
139	ALL	15	15.0599	Environmental Control Technologies/Technicians, Other							0.0%
140	ALL	15	15.0607	Plastics and Polymer Engineering Technology/Technician							0.0%
141	ALL	15	15.0611	Metallurgical Technology/Technician					14	30	0.2%
142	ALL	15	15.0612	Industrial Technology/Technician	40	26	42	47	33	188	1.1%
143	ALL	15	15.0613	Manufacturing Engineering Technology/Technician	74	77	100	80	49	380	2.1%
144	ALL	15	15.0614	Welding Engineering Technology/Technician							0.0%
145	ALL	15	15.0615	Chemical Engineering Technology/Technician							0.0%
146	ALL	15	15.0616	Semiconductor Manufacturing Technology							0.0%
147	ALL	15	15.0699	Industrial Production Technologies/Technicians, Other							0.0%
148	ALL	15	15.0701	Occupational Safety and Health Technology/Technician							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
149	ALL	15	15.0702	Quality Control Technology/Technician							0.0%
150	ALL	15	15.0703	Industrial Safety Technology/Technician							0.0%
151	ALL	15	15.0704	Hazardous Materials Information Systems Technology/Technician							0.0%
152	ALL	15	15.0799	Quality Control and Safety Technologies/Technicians, Other							0.0%
153	ALL	15	15.0801	Aeronautical/Aerospace Engineering Technology/Technician			16	21		41	0.2%
154	ALL	15	15.0803	Automotive Engineering Technology/Technician							0.0%
155	ALL	15	15.0805	Mechanical Engineering/Mechanical Technology/Technician			16	13	17	60	0.3%
156	ALL	15	15.0899	Mechanical Engineering Related Technologies/Technicians, Other							0.0%
157	ALL	15	15.0901	Mining Technology/Technician							0.0%
158	ALL	15	15.0903	Petroleum Technology/Technician	131	183	183	172	139	808	4.6%
159	ALL	15	15.0999	Mining and Petroleum Technologies/Technicians, Other							0.0%
160	ALL	15	15.1001	Construction Engineering Technology/Technician	48	33	56	37	23	197	1.1%
161	ALL	15	15.1102	Surveying Technology/Surveying	40	60	34	34	26	194	1.1%
162	ALL	15	15.1103	Hydraulics and Fluid Power Technology/Technician							0.0%
163	ALL	15	15.1199	Engineering-Related Technologies, Other							0.0%
164	ALL	15	15.1201	Computer Engineering Technology/Technician					11	38	0.2%
165	ALL	15	15.1202	Computer Technology/Computer Systems Technology	124	105	132	157	145	663	3.7%
166	ALL	15	15.1203	Computer Hardware Technology/Technician							0.0%
167	ALL	15	15.1204	Computer Software Technology/Technician							0.0%
168	ALL	15	15.1299	Computer Engineering Technologies/Technicians, Other							0.0%
169	ALL	15	15.1301	Drafting and Design Technology/Technician, General	73	96	108	90	74	441	2.5%
170	ALL	15	15.1302	CAD/CADD Drafting and/or Design Technology/Technician	92	73	59	38	61	323	1.8%
171	ALL	15	15.1303	Architectural Drafting and Architectural CAD/CADD							0.0%
172	ALL	15	15.1304	Civil Drafting and Civil Engineering CAD/CADD							0.0%
173	ALL	15	15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD							0.0%
174	ALL	15	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD							0.0%
175	ALL	15	15.1399	Drafting/Design Engineering Technologies/Technicians, Other							0.0%
176	ALL	15	15.1401	Nuclear Engineering Technology/Technician	13	18	22	20	16	89	0.5%
177	ALL	15	15.1501	Engineering/Industrial Management		221	264	263	241	989	5.6%
178	ALL	15	15.1502	Engineering Design							0.0%
179	ALL	15	15.1503	Packaging Science							0.0%
180	ALL	15	15.1599	Engineering-Related Fields, Other							0.0%
181	ALL	15	15.1601	Nanotechnology							0.0%
182	ALL	15	15.9999	Engineering Technologies and Engineering-Related Fields, Other				33	26	59	0.3%
183	ALL	26	26.0101	Biology/Biological Sciences, General	527	633	640	717	647	3,164	17.9%
184	ALL	26	26.0102	Biomedical Sciences, General							0.0%
185	ALL	26	26.0202	Biochemistry	11			11	11	46	0.3%
186	ALL	26	26.0203	Biophysics							0.0%
187	ALL	26	26.0204	Molecular Biology							0.0%
188	ALL	26	26.0205	Molecular Biochemistry							0.0%
189	ALL	26	26.0206	Molecular Biophysics							0.0%
190	ALL	26	26.0207	Structural Biology							0.0%
191	ALL	26	26.0208	Photobiology							0.0%
192	ALL	26	26.0209	Radiation Biology/Radiobiology							0.0%
193	ALL	26	26.0210	Biochemistry and Molecular Biology	27	31	30	42	32	162	0.9%
194	ALL	26	26.0299	Biochemistry, Biophysics and Molecular Biology, Other							0.0%
195	ALL	26	26.0301	Botany/Plant Biology							0.0%
196	ALL	26	26.0305	Plant Pathology/Phytopathology						25	0.1%
197	ALL	26	26.0307	Plant Physiology							0.0%
198	ALL	26	26.0308	Plant Molecular Biology							0.0%



#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
199	ALL	26	26.0399	Botany/Plant Biology, Other							0.0%
200	ALL	26	26.0401	Cell/Cellular Biology and Histology							0.0%
201	ALL	26	26.0403	Anatomy						10	0.1%
202	ALL	26	26.0404	Developmental Biology and Embryology							0.0%
203	ALL	26	26.0405	Neuroanatomy							0.0%
204	ALL	26	26.0406	Cell/Cellular and Molecular Biology			22	14	17	66	0.4%
205	ALL	26	26.0407	Cell Biology and Anatomy							0.0%
206	ALL	26	26.0499	Cell/Cellular Biology and Anatomical Sciences, Other							0.0%
207	ALL	26	26.0502	Microbiology, General							0.0%
208	ALL	26	26.0503	Medical Microbiology and Bacteriology						12	0.1%
209	ALL	26	26.0504	Virology							0.0%
210	ALL	26	26.0505	Parasitology							0.0%
211	ALL	26	26.0506	Mycology							0.0%
212	ALL	26	26.0507	Immunology							0.0%
213	ALL	26	26.0508	Microbiology and Immunology							0.0%
214	ALL	26	26.0599	Microbiological Sciences and Immunology, Other							0.0%
215	ALL	26	26.0701	Zoology/Animal Biology							0.0%
216	ALL	26	26.0702	Entomology						26	0.1%
217	ALL	26	26.0707	Animal Physiology	10					25	0.1%
218	ALL	26	26.0708	Animal Behavior and Ethology							0.0%
219	ALL	26	26.0709	Wildlife Biology							0.0%
220	ALL	26	26.0799	Zoology/Animal Biology, Other							0.0%
221	ALL	26	26.0801	Genetics, General							0.0%
222	ALL	26	26.0802	Molecular Genetics							0.0%
223	ALL	26	26.0803	Microbial and Eukaryotic Genetics							0.0%
224	ALL	26	26.0804	Animal Genetics							0.0%
225	ALL	26	26.0805	Plant Genetics							0.0%
226	ALL	26	26.0806	Human/Medical Genetics						20	0.1%
227	ALL	26	26.0807	Genome Sciences/Genomics							0.0%
228	ALL	26	26.0899	Genetics, Other							0.0%
229	ALL	26	26.0901	Physiology, General							0.0%
230	ALL	26	26.0902	Molecular Physiology							0.0%
231	ALL	26	26.0903	Cell Physiology							0.0%
232	ALL	26	26.0904	Endocrinology							0.0%
233	ALL	26	26.0905	Reproductive Biology							0.0%
234	ALL	26	26.0906	Neurobiology and Neurophysiology							0.0%
235	ALL	26	26.0907	Cardiovascular Science							0.0%
236	ALL	26	26.0908	Exercise Physiology							0.0%
237	ALL	26	26.0909	Vision Science/Physiological Optics							0.0%
238	ALL	26	26.0910	Pathology/Experimental Pathology							0.0%
239	ALL	26	26.0911	Oncology and Cancer Biology							0.0%
240	ALL	26	26.0912	Aerospace Physiology and Medicine							0.0%
241	ALL	26	26.0999	Physiology, Pathology, and Related Sciences, Other							0.0%
242	ALL	26	26.1001	Pharmacology						12	0.1%
243	ALL	26	26.1002	Molecular Pharmacology							0.0%
244	ALL	26	26.1003	Neuropharmacology							0.0%
245	ALL	26	26.1004	Toxicology							0.0%
246	ALL	26	26.1005	Molecular Toxicology							0.0%
247	ALL	26	26.1006	Environmental Toxicology							0.0%
248	ALL	26	26.1007	Pharmacology and Toxicology							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
249	ALL	26	26.1099	Pharmacology and Toxicology, Other							0.0%
250	ALL	26	26.1101	Biometry/Biometrics							0.0%
251	ALL	26	26.1102	Biostatistics							0.0%
252	ALL	26	26.1103	Bioinformatics						22	0.1%
253	ALL	26	26.1104	Computational Biology							0.0%
254	ALL	26	26.1199	Biomathematics, Bioinformatics, and Computational Biology, Other							0.0%
255	ALL	26	26.1201	Biotechnology							0.0%
256	ALL	26	26.1301	Ecology							0.0%
257	ALL	26	26.1302	Marine Biology and Biological Oceanography							0.0%
258	ALL	26	26.1303	Evolutionary Biology							0.0%
259	ALL	26	26.1304	Aquatic Biology/Limnology							0.0%
260	ALL	26	26.1305	Environmental Biology							0.0%
261	ALL	26	26.1306	Population Biology							0.0%
262	ALL	26	26.1307	Conservation Biology							0.0%
263	ALL	26	26.1308	Systematic Biology/Biological Systematics							0.0%
264	ALL	26	26.1309	Epidemiology							0.0%
265	ALL	26	26.1310	Ecology and Evolutionary Biology							0.0%
266	ALL	26	26.1399	Ecology, Evolution, Systematics and Population Biology, Other							0.0%
267	ALL	26	26.1401	Molecular Medicine							0.0%
268	ALL	26	26.1501	Neuroscience							0.0%
269	ALL	26	26.1502	Neuroanatomy							0.0%
270	ALL	26	26.1503	Neurobiology and Anatomy							0.0%
271	ALL	26	26.1504	Neurobiology and Behavior							0.0%
272	ALL	26	26.1599	Neurobiology and Neurosciences, Other							0.0%
273	ALL	26	26.9999	Biological and Biomedical Sciences, Other						12	0.1%
274	ALL	27	27.0101	Mathematics, General	99	113	110	142	141	605	3.4%
275	ALL	27	27.0102	Algebra and Number Theory							0.0%
276	ALL	27	27.0103	Analysis and Functional Analysis							0.0%
277	ALL	27	27.0104	Geometry/Geometric Analysis							0.0%
278	ALL	27	27.0105	Topology and Foundations							0.0%
279	ALL	27	27.0199	Mathematics, Other							0.0%
280	ALL	27	27.0301	Applied Mathematics, General	12	13	10	12	15	62	0.3%
281	ALL	27	27.0303	Computational Mathematics							0.0%
282	ALL	27	27.0304	Computational and Applied Mathematics							0.0%
283	ALL	27	27.0305	Financial Mathematics							0.0%
284	ALL	27	27.0306	Mathematical Biology							0.0%
285	ALL	27	27.0399	Applied Mathematics, Other							0.0%
286	ALL	27	27.0501	Statistics, General						35	0.2%
287	ALL	27	27.0502	Mathematical Statistics and Probability							0.0%
288	ALL	27	27.0503	Mathematics and Statistics							0.0%
289	ALL	27	27.0599	Statistics, Other						10	0.1%
290	ALL	27	27.9999	Mathematics and Statistics, Other							0.0%
291	ALL	28	28.0501	Air Science/Airpower Studies							0.0%
292	ALL	28	28.0502	Air and Space Operational Art and Science							0.0%
293	ALL	28	28.0505	Naval Science and Operational Studies							0.0%
294	ALL	29	29.0101	Military Technologies							0.0%
295	ALL	29	29.0201	Intelligence, General							0.0%
296	ALL	29	29.0202	Strategic Intelligence							0.0%
297	ALL	29	29.0203	Signal/Geospatial Intelligence							0.0%
298	ALL	29	29.0204	Command & Control (C3, C4) Systems and Operations							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
299	ALL	29	29.0205	Information Operations/Joint Information Operations							0.0%
300	ALL	29	29.0206	Information/Psychological Warfare and Military Media Relations							0.0%
301	ALL	29	29.0207	Cyber/Electronic Operations and Warfare							0.0%
302	ALL	29	29.0299	Intelligence, Command Control and Information Operations, Other							0.0%
303	ALL	29	29.0301	Combat Systems Engineering							0.0%
304	ALL	29	29.0302	Directed Energy Systems							0.0%
305	ALL	29	29.0303	Engineering Acoustics							0.0%
306	ALL	29	29.0304	Low-Observables and Stealth Technology							0.0%
307	ALL	29	29.0305	Space Systems Operations							0.0%
308	ALL	29	29.0306	Operational Oceanography							0.0%
309	ALL	29	29.0307	Undersea Warfare							0.0%
310	ALL	29	29.0399	Military Applied Sciences, Other							0.0%
311	ALL	29	29.0401	Aerospace Ground Equipment Technology							0.0%
312	ALL	29	29.0402	Air and Space Operations Technology							0.0%
313	ALL	29	29.0403	Aircraft Armament Systems Technology							0.0%
314	ALL	29	29.0404	Explosive Ordnance/Bomb Disposal							0.0%
315	ALL	29	29.0405	Joint Command/Task Force (C3, C4) Systems							0.0%
316	ALL	29	29.0406	Military Information Systems Technology							0.0%
317	ALL	29	29.0407	Missile and Space Systems Technology							0.0%
318	ALL	29	29.0408	Munitions Systems/Ordnance Technology							0.0%
319	ALL	29	29.0409	Radar Communications and Systems Technology							0.0%
320	ALL	29	29.0499	Military Systems and Maintenance Technology, Other							0.0%
321	ALL	29	29.9999	Military Technologies and Applied Sciences, Other				15		24	0.1%
322	ALL	30	30.0101	Biological and Physical Sciences			23	38	38	99	0.6%
323	ALL	30	30.0601	Systems Science and Theory							0.0%
324	ALL	30	30.0801	Mathematics and Computer Science							0.0%
325	ALL	30	30.1001	Biopsychology							0.0%
326	ALL	30	30.1701	Behavioral Sciences							0.0%
327	ALL	30	30.1801	Natural Sciences							0.0%
328	ALL	30	30.1901	Nutrition Sciences						10	0.1%
329	ALL	30	30.2501	Cognitive Science							0.0%
330	ALL	30	30.2701	Human Biology							0.0%
331	ALL	30	30.3001	Computational Science							0.0%
332	ALL	30	30.3101	Human Computer Interaction							0.0%
333	ALL	30	30.3201	Marine Sciences							0.0%
334	ALL	30	30.3301	Sustainability Studies							0.0%
335	ALL	40	40.0101	Physical Sciences	16	21	10	36	47	130	0.7%
336	ALL	40	40.0201	Astronomy							0.0%
337	ALL	40	40.0202	Astrophysics							0.0%
338	ALL	40	40.0203	Planetary Astronomy and Science						19	0.1%
339	ALL	40	40.0299	Astronomy and Astrophysics, Other							0.0%
340	ALL	40	40.0401	Atmospheric Sciences and Meteorology, General							0.0%
341	ALL	40	40.0402	Atmospheric Chemistry and Climatology							0.0%
342	ALL	40	40.0403	Atmospheric Physics and Dynamics							0.0%
343	ALL	40	40.0404	Meteorology							0.0%
344	ALL	40	40.0499	Atmospheric Sciences and Meteorology, Other							0.0%
345	ALL	40	40.0501	Chemistry, General	141	153	209	186	215	904	5.1%
346	ALL	40	40.0502	Analytical Chemistry							0.0%
347	ALL	40	40.0503	Inorganic Chemistry							0.0%
348	ALL	40	40.0504	Organic Chemistry							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
349	ALL	40	40.0506	Physical Chemistry							0.0%
350	ALL	40	40.0507	Polymer Chemistry							0.0%
351	ALL	40	40.0508	Chemical Physics							0.0%
352	ALL	40	40.0509	Environmental Chemistry							0.0%
353	ALL	40	40.0510	Forensic Chemistry							0.0%
354	ALL	40	40.0511	Theoretical Chemistry							0.0%
355	ALL	40	40.0599	Chemistry, Other							0.0%
356	ALL	40	40.0601	Geology/Earth Science, General	17	30	35	48	63	193	1.1%
357	ALL	40	40.0602	Geochemistry							0.0%
358	ALL	40	40.0603	Geophysics and Seismology							0.0%
359	ALL	40	40.0604	Paleontology							0.0%
360	ALL	40	40.0605	Hydrology and Water Resources Science							0.0%
361	ALL	40	40.0606	Geochemistry and Petrology							0.0%
362	ALL	40	40.0607	Oceanography, Chemical and Physical							0.0%
363	ALL	40	40.0699	Geological and Earth Sciences/Geosciences, Other						12	0.1%
364	ALL	40	40.0801	Physics, General	48	54	53	68	70	293	1.7%
365	ALL	40	40.0802	Atomic/Molecular Physics							0.0%
366	ALL	40	40.0804	Elementary Particle Physics							0.0%
367	ALL	40	40.0805	Plasma and High-Temperature Physics							0.0%
368	ALL	40	40.0806	Nuclear Physics							0.0%
369	ALL	40	40.0807	Optics/Optical Sciences							0.0%
370	ALL	40	40.0808	Condensed Matter and Materials Physics							0.0%
371	ALL	40	40.0809	Acoustics							0.0%
372	ALL	40	40.0810	Theoretical and Mathematical Physics							0.0%
373	ALL	40	40.0899	Physics, Other					12	17	0.1%
374	ALL	40	40.1001	Materials Science							0.0%
375	ALL	40	40.1002	Materials Chemistry				12	16	37	0.2%
376	ALL	40	40.1099	Materials Sciences, Other							0.0%
377	ALL	40	40.9999	Physical Sciences, Other							0.0%
378	ALL	41	41.0000	SCIENCE TECHNOLOGIES/TECHNICIANS							0.0%
379	ALL	41	41.0101	Biology Technician/Biotechnology Laboratory Technician							0.0%
380	ALL	41	41.0204	Industrial Radiologic Technology/Technician							0.0%
381	ALL	41	41.0205	Nuclear/Nuclear Power Technology/Technician							0.0%
382	ALL	41	41.0299	Nuclear and Industrial Radiologic Technologies/Technicians, Other							0.0%
383	ALL	41	41.0301	Chemical Technology/Technician							0.0%
384	ALL	41	41.0303	Chemical Process Technology							0.0%
385	ALL	41	41.0399	Physical Science Technologies/Technicians, Other							0.0%
386	ALL	41	41.9999	Science Technologies/Technicians, Other							0.0%
387	ALL	42	42.2701	Cognitive Psychology and Psycholinguistics							0.0%
388	ALL	42	42.2702	Comparative Psychology							0.0%
389	ALL	42	42.2703	Developmental and Child Psychology							0.0%
390	ALL	42	42.2704	Experimental Psychology							0.0%
391	ALL	42	42.2705	Personality Psychology							0.0%
392	ALL	42	42.2706	Physiological Psychology/Psychobiology							0.0%
393	ALL	42	42.2707	Social Psychology							0.0%
394	ALL	42	42.2708	Psychometrics and Quantitative Psychology							0.0%
395	ALL	42	42.2709	Psychopharmacology							0.0%
396	ALL	42	42.2799	Research and Experimental Psychology, Other							0.0%
397	ALL	43	43.0106	Forensic Science and Technology			12		15	31	0.2%
398	ALL	43	43.0116	Cyber/Computer Forensics and Counterterrorism							0.0%

#	Inst Type	CIP2	CIP6	CIP Description	Graduating Academic Years					Total	Percent
					2009	2010	2011	2012	2013		
399	ALL	45	45.0301	Archeology							0.0%
400	ALL	45	45.0603	Econometrics and Quantitative Economics							0.0%
401	ALL	45	45.0702	Geographic Information Science and Cartography							0.0%
402	ALL	49	49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General					12	12	0.1%
403	ALL	51	51.1002	Cytotechnology/Cytotechnologist						14	0.1%
404	ALL	51	51.1005	Clinical Laboratory Science/Medical Technology/Technologist				64	66	130	0.7%
405	ALL	51	51.1401	Medical Scientist							0.0%
406	ALL	51	51.2003	Pharmaceutics and Drug Design							0.0%
407	ALL	51	51.2004	Medicinal and Pharmaceutical Chemistry							0.0%
408	ALL	51	51.2005	Natural Products Chemistry and Pharmacognosy							0.0%
409	ALL	51	51.2006	Clinical and Industrial Drug Development							0.0%
410	ALL	51	51.2007	Pharmacoeconomics/Pharmaceutical Economics							0.0%
411	ALL	51	51.2009	Industrial and Physical Pharmacy and Cosmetic Sciences							0.0%
412	ALL	51	51.2010	Pharmaceutical Sciences							0.0%
413	ALL	51	51.2202	Environmental Health							0.0%
414	ALL	51	51.2205	Health/Medical Physics							0.0%
415	ALL	51	51.2502	Veterinary Anatomy							0.0%
416	ALL	51	51.2503	Veterinary Physiology							0.0%
417	ALL	51	51.2504	Veterinary Microbiology and Immunobiology							0.0%
418	ALL	51	51.2505	Veterinary Pathology and Pathobiology							0.0%
419	ALL	51	51.2506	Veterinary Toxicology and Pharmacology							0.0%
420	ALL	51	51.2510	Veterinary Preventive Medicine, Epidemiology, and Public Health							0.0%
421	ALL	51	51.2511	Veterinary Infectious Diseases							0.0%
422	ALL	51	51.2706	Medical Informatics							0.0%
423	ALL	52	52.1301	Management Science							0.0%
424	ALL	52	52.1302	Business Statistics							0.0%
425	ALL	52	52.1304	Actuarial Science							0.0%
426	ALL	52	52.1399	Management Sciences and Quantitative Methods, Other							0.0%
ALL Totals					2,639	3,083	3,679	4,213	4,110	17,724	100.0%

NOTE: All counts of less than 10 are not shown due to FERPA.

### STEM Credentials as a Percent of Total Credentials Awarded

#	Inst Type	Institution	2009			2010			2011			2012			2013		
			Total	STEM	STEM	Total	STEM	STEM	Total	STEM	STEM	Total	STEM	STEM	Total	STEM	STEM
			Graduates	Graduates	Percent	Graduates	Graduates	Percent	Graduates	Graduates	Percent	Graduates	Graduates	Percent	Graduates	Graduates	Percent
1	1	ASUJ	2,174	171	7.9	2,673	205	7.7	3,554	277	7.8	3,997	288	7.2	3,992	343	8.6
2	1	ATU	1,597	180	11.3	1,667	180	10.8	1,990	225	11.3	2,077	260	12.5	2,611	273	10.5
3	1	HSU	635	33	5.2	852	45	5.3	699	47	6.7	767	46	6.0	791	57	7.2
4	1	SAUM	528	38	7.2	605	31	5.1	581	48	8.3	699	73	10.4	718	69	9.6
5	1	UAF	3,739	669	17.9	3,940	851	21.6	4,361	1,144	26.2	4,590	1,195	26.0	4,842	1,210	25.0
6	1	UAFS	1,191	144	12.1	1,104	136	12.3	1,305	110	8.4	1,177	112	9.5	1,304	161	12.3
7	1	UALR	2,084	241	11.6	2,132	217	10.2	2,266	279	12.3	2,338	342	14.6	2,381	360	15.1
8	1	UAM	824	40	4.9	987	57	5.8	934	56	6.0	1,058	101	9.5	838	81	9.7
9	1	UAMS	806	36	4.5	833	16	1.9	907	29	3.2	874	94	10.8	891	107	12.0
10	1	UAPB	425	53	12.5	409	52	12.7	403	62	15.4	498	88	17.7	429	77	17.9
11	1	UCA	2,189	140	6.4	2,250	161	7.2	3,992	159	4.0	2,158	209	9.7	2,015	176	8.7
12	2	ANC	428		1.2	432		1.4	493	21	4.3	433	10	2.3	437	18	4.1
13	2	ASUB	1,203	119	9.9	1,165	85	7.3	1,140	113	9.9	1,235	93	7.5	1,454	94	6.5
14	2	ASUMH	445	21	4.7	467	26	5.6	579	18	3.1	571	39	6.8	494	43	8.7
15	2	ASUN	840		1.1	539	35	6.5	571	42	7.4	730	37	5.1	549	32	5.8
16	2	BRTC	529		-	423		-	428		-	520		-	687		-
17	2	CCCUA	200		2.5	254		1.6	271		3.3	287		1.7	329		-
18	2	CotO	505	22	4.4	659	99	15.0	644	30	4.7	644	39	6.1	608	37	6.1
19	2	EACC	321	36	11.2	358	49	13.7	312	45	14.4	388	53	13.7	362	16	4.4
20	2	MSCC	127	31	24.4	188	30	16.0	194	27	13.9	279	31	11.1	276	23	8.3
21	2	NAC	353	42	11.9	471	51	10.8	490	37	7.6	674	56	8.3	708	56	7.9
22	2	NPCC	480		0.2	476		1.5	630		1.1	667	11	1.6	619	19	3.1
23	2	NWACC	646	43	6.7	779	41	5.3	924	69	7.5	1,110	63	5.7	1,246	93	7.5
24	2	OZC	233		-	316		-	375		-	403		-	456		-
25	2	PCCUA	398	54	13.6	362	26	7.2	481	59	12.3	289	23	8.0	320	18	5.6
26	2	PTC	1,437	17	1.2	3,033	24	0.8	3,725	18	0.5	2,289	34	1.5	1,975	24	1.2
27	2	RMCC	133		1.5	168		1.2	197		3.0	252		1.2	317	11	3.5
28	2	SACC	327		0.6	437		-	456		-	631		-	798		0.9
29	2	SAUT	704	34	4.8	869	19	2.2	752	34	4.5	742	86	11.6	799	57	7.1
30	2	SEAC	759	50	6.6	654	41	6.3	595	52	8.7	708	72	10.2	528	22	4.2
31	2	UACCB	422		-	480		-	571		-	474		-	487		-
32	2	UACCH	482		0.4	505	16	3.2	534	55	10.3	463	46	9.9	495	24	4.8
33	2	UACCM	500	177	35.4	618	248	40.1	787	263	33.4	909	281	30.9	719	217	30.2
34	P	ABC	30		-	50		-	75		-	100		-	123		-
35	P	CBC	89		7.9	103	11	10.7	110	11	10.0	131	15	11.5	130		1.5
36	P	CRC	15		-	17		-	18		-	21		-	26		-
37	P	HC	208	47	22.6	304	82	27.0	299	72	24.1	319	99	31.0	328	99	30.2
38	P	HU	1,255	65	5.2	1,170	77	6.6	1,182	89	7.5	1,264	123	9.7	1,239	91	7.3
39	P	JBU	582	21	3.6	624	41	6.6	592	62	10.5	609	53	8.7	615	52	8.5
40	P	LC	84	25	29.8	102	31	30.4	95	29	30.5	98	27	27.6	119	38	31.9
41	P	OBU	296	38	12.8	293	35	11.9	258	27	10.5	314	54	17.2	294	50	17.0
42	P	PSC	71	10	14.1	98	14	14.3	98	20	20.4	118	26	22.0	126	30	23.8
43	P	UO	118		5.9	109	17	15.6	99	17	17.2	106	20	18.9	69		13.0
44	P	WBC	79		2.5	77	15	19.5	100	11	11.0	101		5.9	112	11	9.8
45	V	BSN			-			-	363		-	312		-	374		0.8
46	V	JSN			-			-	21		-	28		-	27		-
4-Year Universities			16,192	1,745	10.8	17,452	1,951	11.2	20,992	2,436	11.6	20,233	2,808	13.9	20,812	2,914	14.0
2-Year Colleges			11,472	672	5.9	13,653	809	5.9	15,149	905	6.0	14,698	982	6.7	14,663	811	5.5
Independent and			2,827	222	7.9	2,947	323	11.0	3,310	338	10.2	3,521	423	12.0	3,582	385	10.7
Total			30,491	2,639	8.7	34,052	3,083	9.1	39,451	3,679	9.3	38,452	4,213	11.0	39,057	4,110	10.5

NOTE: All counts of less than 10 are not shown due to FERPA.

## STEM Bachelor Graduates in Graduate School

Graduating Year = 2009 and Graduate Experience from 2010-2014

No.	Inst. Type	Institution	2009 Graduates	2010-2014 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	130	28	21.5%	19	14.6%	12	9.2%
2	1	ATU	129	36	27.9%	22	17.1%	15	11.6%
3	1	HSU	33	12	36.4%		27.3%		12.1%
4	1	SAUM	34		14.7%		8.8%		5.9%
5	1	UAF	484	157	32.4%	101	20.9%	63	13.0%
6	1	UAFS	42		16.7%		11.9%		4.8%
7	1	UALR	186	45	24.2%	33	17.7%	14	7.5%
8	1	UAM	22	11	50.0%		27.3%		27.3%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	53	10	18.9%	10	18.9%		1.9%
11	1	UCA	114	33	28.9%	22	19.3%	15	13.2%
12	P	ABC			0.0%		0.0%		0.0%
13	P	CBC			14.3%		14.3%		0.0%
14	P	CRC			0.0%		0.0%		0.0%
15	P	HC	47	10	21.3%		10.6%		17.0%
16	P	HU	65		10.8%		0.0%		10.8%
17	P	JBU	21		4.8%		4.8%		0.0%
18	P	LC	25		20.0%		12.0%		8.0%
19	P	OBU	38	17	44.7%		10.5%	13	34.2%
20	P	PSC	10		20.0%		20.0%		0.0%
21	P	UO			28.6%		0.0%		28.6%
22	P	WBC			0.0%		0.0%		0.0%
4-Year Universities			1,227	344	28.0%	230	18.7%	134	10.9%
Private/Independents			222	45	20.3%	16	7.2%	32	14.4%
Total			1,449	389	26.8%	246	17.0%	166	11.5%

### NOTES:

#### 1. Degree Levels are:

- 06 = Post-Baccalaureate (Graduate School)
- 07 = Masters Degree (Graduate School)
- 08 = Specialist Degree (Graduate School)
- 09 = Doctoral Degree (Doctoral School)
- 10 = First Professional Degree (Doctoral School)
- 11 = Post-First Professional Certificate (Doctoral School)
- 12 = Post-First Professional Degree (Doctoral School)
- 17 = Doctoral - Research/Scholarship (Doctoral School)
- 18 = Doctoral - Professional Practice (Doctoral School)
- 19 = Doctoral - Other (Doctoral School)

2. Graduate Level and Doctoral Level totals may exceed the number enrolled in Graduate Schools due to students completing a graduate program and then enrolling in a doctoral program.

3. Students entered graduate school at any Arkansas 4-Year University.

4. Student entering graduate school are not necessarily entering into STEM graduate program.

5. Counts of less than 10 are not shown due to FERPA.

## STEM Bachelor Graduates in Graduate School

Graduating Year = 2010 and Graduate Experience from 2011-2014

No.	Inst. Type	Institution	2010 Graduates	2011-2014 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	142	38	26.8%	27	19.0%	14	9.9%
2	1	ATU	138	27	19.6%	16	11.6%	13	9.4%
3	1	HSU	45	10	22.2%		17.8%		11.1%
4	1	SAUM	28		25.0%		21.4%		3.6%
5	1	UAF	480	163	34.0%	97	20.2%	71	14.8%
6	1	UAFS	54		11.1%		5.6%		7.4%
7	1	UALR	164	28	17.1%	16	9.8%	15	9.1%
8	1	UAM	27		33.3%		18.5%		14.8%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	52		13.5%		9.6%		5.8%
11	1	UCA	134	50	37.3%	26	19.4%	28	20.9%
12	P	ABC			0.0%		0.0%		0.0%
13	P	CBC	10		0.0%		0.0%		0.0%
14	P	CRC			0.0%		0.0%		0.0%
15	P	HC	82	22	26.8%		3.7%	21	25.6%
16	P	HU	76		2.6%		0.0%		2.6%
17	P	JBU	38		15.8%		5.3%		13.2%
18	P	LC	31	10	32.3%		6.5%		25.8%
19	P	OBU	35	12	34.3%		22.9%		11.4%
20	P	PSC	14		14.3%		14.3%		7.1%
21	P	UO	17		17.6%		11.8%		11.8%
22	P	WBC	15		6.7%		0.0%		6.7%
4-Year Universities			1,264	345	27.3%	209	16.5%	158	12.5%
Private/Independents			318	58	18.2%	19	6.0%	44	13.8%
Total			1,582	403	25.5%	228	14.4%	202	12.8%

### NOTES:

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## STEM Bachelor Graduates in Graduate School

Graduating Year = 2011 and Graduate Experience from 2012-2014

No.	Inst. Type	Institution	2011 Graduates	2012-2014 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	191	44	23.0%	24	12.6%	22	11.5%
2	1	ATU	158	24	15.2%	12	7.6%	12	7.6%
3	1	HSU	47	16	34.0%		19.1%		14.9%
4	1	SAUM	42	11	26.2%		9.5%		16.7%
5	1	UAF	650	187	28.8%	120	18.5%	74	11.4%
6	1	UAFS	53		13.2%		3.8%		9.4%
7	1	UALR	206	39	18.9%	23	11.2%	19	9.2%
8	1	UAM	23		17.4%		13.0%		4.3%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	62		11.3%		9.7%		1.6%
11	1	UCA	131	35	26.7%	13	9.9%	25	19.1%
12	P	ABC			0.0%		0.0%		0.0%
13	P	CBC	11		9.1%		9.1%		0.0%
14	P	CRC			0.0%		0.0%		0.0%
15	P	HC	72	22	30.6%		6.9%	17	23.6%
16	P	HU	87		4.6%		2.3%		3.4%
17	P	JBU	61		0.0%		0.0%		0.0%
18	P	LC	29		13.8%		3.4%		10.3%
19	P	OBU	27		25.9%		11.1%		14.8%
20	P	PSC	20		5.0%		5.0%		0.0%
21	P	UO	17		11.8%		5.9%		5.9%
22	P	WBC	11		9.1%		9.1%		0.0%
4-Year Universities			1,563	374	23.9%	216	13.8%	173	11.1%
Private/Independents			335	42	12.5%	15	4.5%	28	8.4%
Total			1,898	416	21.9%	231	12.2%	201	10.6%

### NOTES:

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## STEM Bachelor Graduates in Graduate School

Graduating Year = 2012 and Graduate Experience from 2013-2014

No.	Inst. Type	Institution	2013 Graduates	2014-2014 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	199	52	26.1%	37	18.6%	17	8.5%
2	1	ATU	173	32	18.5%	22	12.7%	10	5.8%
3	1	HSU	46	18	39.1%	13	28.3%		10.9%
4	1	SAUM	51	13	25.5%		9.8%		17.6%
5	1	UAF	684	183	26.8%	111	16.2%	76	11.1%
6	1	UAFS	71		12.7%		9.9%		4.2%
7	1	UALR	199	29	14.6%	16	8.0%	13	6.5%
8	1	UAM	54	22	40.7%	11	20.4%	11	20.4%
9	1	UAMS	45		6.7%		6.7%		0.0%
10	1	UAPB	87	16	18.4%	12	13.8%		4.6%
11	1	UCA	164	42	25.6%	25	15.2%	17	10.4%
12	P	ABC							
13	P	CBC	14		0.0%		0.0%		0.0%
14	P	CRC							
15	P	HC	99	14	14.1%		5.1%	10	10.1%
16	P	HU	122		7.4%		0.8%		6.6%
17	P	JBU	52		1.9%		0.0%		1.9%
18	P	LC	27		7.4%		0.0%		7.4%
19	P	OBU	53	17	32.1%		15.1%		17.0%
20	P	PSC	26		7.7%		7.7%		0.0%
21	P	UO	20		35.0%		15.0%		20.0%
22	P	WBC			16.7%		0.0%		16.7%
4-Year Universities			1,773	419	23.6%	262	14.8%	165	9.3%
Private/Independents			419	53	12.6%	19	4.5%	35	8.4%
Total			2,192	472	21.5%	281	12.8%	200	9.1%

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## STEM Bachelor Graduates in Graduate School

Graduating Year = 2013 and Graduate Experience from 2014-2014

No.	Inst. Type	Institution	2013 Graduates	2014-2014 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	225	35	15.6%	23	10.2%	12	5.3%
2	1	ATU	176	20	11.4%	15	8.5%		2.8%
3	1	HSU	57		12.3%		8.8%		3.5%
4	1	SAUM	54	10	18.5%		3.7%		14.8%
5	1	UAF	687	134	19.5%	82	11.9%	52	7.6%
6	1	UAFS	93		8.6%		4.3%		4.3%
7	1	UALR	209	27	12.9%	21	10.0%		2.9%
8	1	UAM	23		21.7%		13.0%		8.7%
9	1	UAMS	45		6.7%		2.2%		4.4%
10	1	UAPB	77		7.8%		7.8%		0.0%
11	1	UCA	145	28	19.3%	16	11.0%	12	8.3%
12	P	ABC			0.0%		0.0%		0.0%
13	P	CBC			0.0%		0.0%		0.0%
14	P	CRC			0.0%		0.0%		0.0%
15	P	HC	99	13	13.1%		4.0%		9.1%
16	P	HU	91		6.6%		0.0%		6.6%
17	P	JBU	52		3.8%		0.0%		3.8%
18	P	LC	38		10.5%		5.3%		5.3%
19	P	OBU	50		18.0%		4.0%		14.0%
20	P	PSC	30		10.0%		10.0%		0.0%
21	P	UO			0.0%		0.0%		0.0%
22	P	WBC	11		18.2%		18.2%		0.0%
4-Year Universities			1,791	283	15.8%	178	9.9%	105	5.9%
Private/Independents			382	39	10.2%	13	3.4%	26	6.8%
Total			2,173	322	14.8%	191	8.8%	131	6.0%

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## STEM Enrollment: 2009 Fall - 2013 Fall

No.	Inst. Type	Institution	2009 Fall	2010 Fall	2011 Fall	2012 Fall	2013 Fall	Total	Average	Percent
1	1	ASUJ	1,304	1,491	1,769	1,756	1,704	8,024	1,604.8	10.5%
2	1	ATU	1,247	1,309	1,452	1,487	1,506	7,001	1,400.2	9.1%
3	1	HSU	454	507	493	594	562	2,610	522.0	3.4%
4	1	SAUM	199	249	319	349	427	1,543	308.6	2.0%
5	1	UAF	3,565	4,550	4,906	5,554	5,889	24,464	4,892.8	31.9%
6	1	UAFS	765	825	838	895	947	4,270	854.0	5.6%
7	1	UALR	1,370	1,503	1,606	1,680	1,698	7,857	1,571.4	10.3%
8	1	UAM	259	247	319	323	304	1,452	290.4	1.9%
9	1	UAMS	89	156	255	263	292	1,055	211.0	1.4%
10	1	UAPB	631	674	672	646	643	3,266	653.2	4.3%
11	1	UCA	938	967	1,107	1,160	1,262	5,434	1,086.8	7.1%
12	2	ANC	78	48	48	42	55	271	54.2	0.4%
13	2	ASUB	151	143	139	139	124	696	139.2	0.9%
14	2	ASUMH	62	83	73	79	59	356	71.2	0.5%
15	2	ASUN	39	66	56	58	63	282	56.4	0.4%
16	2	BRTC								0.0%
17	2	CCCUA					126	145	29.0	0.2%
18	2	CotO	48	37	37	30	22	174	34.8	0.2%
19	2	EACC	82	94	42	30	26	274	54.8	0.4%
20	2	MSCC	178	153	138	112	93	674	134.8	0.9%
21	2	NAC	174	140	161	170	136	781	156.2	1.0%
22	2	NPCC		12	12	19	42	90	18.0	0.1%
23	2	NWACC	295	368	381	363	327	1,734	346.8	2.3%
24	2	OZC								0.0%
25	2	PCCUA	41	33	42	16		141	28.2	0.2%
26	2	PTC	122	130	134	149	148	683	136.6	0.9%
27	2	RMCC	45	36	39	34	25	179	35.8	0.2%
28	2	SACC				22	40	74	14.8	0.1%
29	2	SAUT	80	88	196	116	122	602	120.4	0.8%
30	2	SEAC	111	137	81	101	90	520	104.0	0.7%
31	2	UACCB								0.0%
32	2	UACCH	130	169	79	61	66	505	101.0	0.7%
33	2	UACCM	328	317	259	290	255	1,449	289.8	1.9%
4-Year Universities			10,821	12,478	13,736	14,707	15,234	66,976	13,395.2	87.4%
2-Year Colleges			1,976	2,065	1,930	1,832	1,828	9,631	1,926.2	12.6%
Total			12,797	14,543	15,666	16,539	17,062	76,607	15,321.4	100.0%

NOTE: All counts less than 10 are not shown due to FERPA.

## Education Credentials Awarded AY2009-AY2013 Summary

Row Labels	2009	2010	2011	2012	2013	Grand Total
<b>1</b>	<b>2,440</b>	<b>2,995</b>	<b>3,459</b>	<b>4,029</b>	<b>4,050</b>	<b>16,973</b>
ASUJ	420	686	1,241	1,752	1,596	5,695
ATU	318	325	354	355	420	1,772
HSU	179	415	263	316	329	1,502
SAUM	173	214	170	155	158	870
UAF	441	475	523	538	622	2,599
UAFS	112	84	116	96	130	538
UALR	219	240	289	265	280	1,293
UAM	103	131	136	127	131	628
UAPB	39	41	37	52	61	230
UCA	436	384	330	373	323	1,846
<b>2</b>	<b>358</b>	<b>356</b>	<b>483</b>	<b>473</b>	<b>427</b>	<b>2,097</b>
ANC	12		37	18	26	102
ASUB	49	57	68	66	57	297
ASUMH	22	27	37	42	24	152
ASUN	13					40
BRTC						17
CCCUA			16	12	15	54
CotO		17	10			51
EACC	13			10		42
MSCC	10			13	11	49
NAC				16		30
NPCC	11	20	37	55	47	170
NWACC	28	29	32	23	37	149
OZC	24	21	23	31	27	126
PCCUA	48	29	64	39	29	209
PTC		10	14	23	20	73
RMCC						
SACC	28	40	21	25	15	129
SAUT		17	12		12	59
SEAC						
UACCB	56	48	65	46	39	254
UACCH			19	10	16	58
UACCM					15	27
<b>Grand Total</b>	<b>2,798</b>	<b>3,351</b>	<b>3,942</b>	<b>4,502</b>	<b>4,477</b>	<b>19,070</b>

NOTES: (1) All counts of less than 10 are not shown due to FERPA. (2) Only students earning credentials are counted as follows: (a) the 2-digit CIP Category was 13, (b) the EE\_CIP\_CODE field in the graduate table was identified as a major or minor in an educational field, or (c) the degree name included the word 'education.'

## Education Credentials Awarded AY2009-AY2013 Detailed Listing

Row Labels	2009	2010	2011	2012	2013	Grand Total
<b>1</b>	<b>2,440</b>	<b>2,995</b>	<b>3,459</b>	<b>4,029</b>	<b>4,050</b>	<b>16,973</b>
<b>ASUJ</b>	<b>420</b>	<b>686</b>	<b>1,241</b>	<b>1,752</b>	<b>1,596</b>	<b>5,695</b>
17-EdD -Educational Leadership		13		11	12	44
4970-13.0401		13		11	12	44
5-BME -Instrumental Music						18
2150-13.1312						18
5-BME -Vocal Music						11
2190-13.1312						11
5-BS -Physical Education						
3000-13.1314						
5-BSA -Agricultural Education						10
3320-13.1301						10
5-BSE -Art Education						
3680-13.1302						
5-BSE -Biology						
3700-13.1322						
5-BSE -Business Education						
3710-13.1303						
5-BSE -Business Technology						17
3710-13.1303						17
5-BSE -Chemistry						
3720-13.1323						
5-BSE -Early Childhood Education		129	130	148	133	540
3760-13.121		129	130	148	133	540
5-BSE -Early Childhood/Elementary Education	136					136
3760-13.121	136					136
5-BSE -English				12	14	50
3800-13.1305				12	14	50
5-BSE -Mathematics Education						34
3910-13.1311						34
5-BSE -Middle Level Education	52	62	92	89	84	379
3915-13.1203	52	62	92	89	84	379
5-BSE -Physical Education	16	28	31	25	18	118
3940-13.1314	16	28	31	25	18	118
5-BSE -Physics						
3960-13.1329						
5-BSE -Social Science		10	17		24	68
4010-13.1317		10	17		24	68
5-BSE -Spanish						
4030-13.133						
5-BSE -Speech Communication & Theatre Arts						
4080-13.1331						
5-BSE -World Languages and Cultures						17
5131-13.1306						17
6-GC -Health Sciences Education						14
6272-51.9999						14
6-GC -Student Affairs						
5750-13.1102						
7-MAT -Teaching				20	14	34
5542-13.1299				20	14	34
7-MME -Music Education						
6000-13.1312						
7-MS -College Student Personnel Services						24
5615-13.1102						24
7-MS -Vocational - Technical Administration						
6550-13.0404						
7-MSA -Agricultural Education						
6580-13.1301						
7-MSE -Biology						
6650-13.1322						
7-MSE -Business Education	10					10
6660-13.1303	10					10
7-MSE -Business Technology		17	13	12		50
6660-13.1303		17	13	12		50
7-MSE -Chemistry						
6670-13.1323						
7-MSE -Curriculum & Instruction	12		82	164	140	407
5663-13.0301	12		82	164	140	407
7-MSE -Early Childhood Education						14
6710-13.121						14
7-MSE -Educ Leadership - Elementary Principalship	28					28
6740-13.0408	28					28
7-MSE -Educational Leadership		25	219	455	362	1,061
6730-13.0408		25	219	455	362	1,061
7-MSE -Educational Theory & Practice		247	473	524	380	1,630
5664-13.0301		247	473	524	380	1,630
7-MSE -Elementary Education						
6780-13.1202						
7-MSE -English						

Row Labels	2009	2010	2011	2012	2013	Grand Total
6820-13.1305						
7-MSE -Mathematics						
6870-13.1311						
7-MSE -Middle-Level Education						10
6780-13.1202						10
7-MSE -Physical Education						
6880-13.1314						
7-MSE -Reading	14			11	11	48
6910-13.1315	14			11	11	48
7-MSE -School Counseling				10		40
6680-13.1101				10		40
7-MSE -Social Science						
6940-13.1317						
7-MSE -Special Education		34	53	162	260	509
6840-13.1004		12		11	90	117
7000-13.1001		15	21	84	105	225
7005-13.1001			28	67	65	167
7-MSE -Special Education - Gifted, Talented, & Creative	12					12
6840-13.1004	12					12
7-MSE -Special Education - Instructional Specialist, 4 - 12						
7000-13.1001						
7-MSE -Special Education - Instructional Specialist, P - 4	15					15
7005-13.1001	15					15
8-EdS -Counselor Education - Psycho-Educational Diagnosis	11					11
5165-13.1101	11					11
8-EdS -Educational Leadership		10	19	23	61	113
5080-13.0408		10	19	23	61	113
8-EdS -Educational Leadership - Superintendency						
5100-13.0408						
8-EdS -Psychology and Counseling		19	20	15	11	65
5165-13.1101		19	20	15	11	65
8-SCCT -Community College Teaching	11	13	13	14	17	68
7420-13.1299	11	13	13	14	17	68
9-EdD -Educational Leadership						
4970-13.0401						
<b>ATU</b>	<b>318</b>	<b>325</b>	<b>354</b>	<b>355</b>	<b>420</b>	<b>1,772</b>
3-AS -Early Childhood Education		14	15	14	10	59
1010-19.0706		14	15	14	10	59
5-BA -Art Education						35
1260-13.1302						35
5-BA -English				12	17	51
9420-13.1305				12	17	51
5-BA -Foreign Languages Education						
1445-13.1306						
5-BA -Social Studies	18		10	11	17	64
1760-13.1318	18		10	11	17	64
5-BA -Speech						13
9830-13.1331						13
5-BFA -Creative Writing						
2040-13.1305						
5-BME -Music Education	16		22	16	13	76
1640-13.1312	16		22	16	13	76
5-BS -Agricultural Education						
3270-13.1301						
5-BS -Business Education						21
2340-13.1303						21
5-BS -Early Childhood Education	89	80	98	79	100	446
2440-13.121	89	80	98	79	100	446
5-BS -Health & Physical Education	39	49	59	40	50	237
2680-13.1314	39	49	59	40	50	237
5-BS -Life Science & Earth Science						
9300-13.1322						
5-BS -Mathematics						28
9870-13.1311						28
5-BS -Middle Level Education		10		11	10	46
2910-13.1203		10		11	10	46
5-BS -Physical Science & Earth Science						
9010-13.1316						
7-MA -Teaching English to Speakers of Other Languages	17	16	11	16	16	76
1401-13.1401	17	16	11	16	16	76
7-MAT -Teaching					27	31
6740-13.0101					27	31
7-MEd -Educational Leadership	15	10	19			56
5665-13.0401	15	10	19			56
7-MEd -Elementary Education				12	17	38
5680-13.1202				12	17	38
7-MEd -English						
5690-13.1305						
7-MEd -Instructional Improvement						10
5755-13.1299						10
7-MEd -Instructional Technology	42	20	18	14	18	112
5675-13.0501	42	20	18	14	18	112
7-MEd -Mathematics						
5790-13.1311						

Row Labels	2009	2010	2011	2012	2013	Grand Total
7-MEd -Physical Education						20
5820-13.1314						20
7-MEd -School Counseling & Leadership		10	18	14		52
6680-13.1101		10	18	14		52
7-MEd -Social Studies						
5860-13.1318						
7-MEd -Teaching, Learning, & Leadership		12	10			38
3975-13.9999		12	10			38
7-MS -College Student Personnel Services	21	37	30	56	63	207
5615-13.1102	21	37	30	56	63	207
7-MSE -Gifted & Talented						
6830-13.1004						
8-EdS -Educational Leadership	11					25
5120-13.0401	11					25
<b>HSU</b>	<b>179</b>	<b>415</b>	<b>263</b>	<b>316</b>	<b>329</b>	<b>1,502</b>
1-CP -English as a Second Language						10
130-13.1401						10
5-BSE -Art						18
3670-13.1302						18
5-BSE -Business Technology Education						
4120-13.1303						
5-BSE -Early Childhood Education	51	38	37	61	58	245
3750-13.121	51	38	37	61	58	245
5-BSE -Middle Level Education	14	10	22	21	12	79
2910-13.1203	14	10	22	21	12	79
5-BSE -Physical Education	30	17	16			63
3940-13.1314	30	17	16			63
5-BSE -Physical Education, Wellness and Leisure				17	25	42
3940-13.1314				17	25	42
5-BSE -Social Science				11		33
4010-13.1317				11		33
5-BSE -Vocational Business Education						
4120-13.1303						
6-GC -Developmental Therapy					10	25
6130-13.1015					10	25
6-GC -Educational Leadership		26	20	15	16	77
6520-13.0408		26	20	15	16	77
6-GC -English as a Second Language		245	100	110	129	584
4335-13.1401		245	100	110	129	584
6-GC -Instructional Facilitator						
6138-13.9999						
7-MAT -Education	24	12	12	12	19	79
5542-13.1299	24	12	12	12	19	79
7-MSE -Advanced Instructional Studies	17	25	17	15	15	89
5663-13.0301	17	25	17	15	15	89
7-MSE -Art						
6640-13.1302						
7-MSE -Early Childhood						26
6720-13.1015						26
7-MSE -Early Childhood-Special Education						
6720-13.1015						
7-MSE -Educational Leadership			12	11		35
6920-13.0408			12	11		35
7-MSE -Instructional Specialist, Special Education						16
7000-13.1001						16
7-MSE -Reading						
5880-13.1315						
7-MSE -School Administration						
6920-13.0408						
7-MSE -School Counseling						21
6680-13.1101						21
8-EdS -Educational Leadership						21
5120-13.0401						16
5120-13.0408						
<b>SAUM</b>	<b>173</b>	<b>214</b>	<b>170</b>	<b>155</b>	<b>158</b>	<b>870</b>
5-BME -Music						18
2175-13.1312						18
5-BS -Agricultural Education			12			36
3270-13.1301			12			36
5-BSE -Art						
3670-13.1302						
5-BSE -Early Childhood Education	50	68	49	39	25	231
3750-13.121	50	68	49	39	25	231
5-BSE -Health, Kinesiology & Recreation	15					15
3860-13.1314	15					15
5-BSE -Middle School Education						
3915-13.1203						
5-BSE -Physical Education, Wellness, & Leisure		15	11	13	23	62
3860-13.1314		15	11	13	23	62
7-MAT -Teacher Education		13			19	55
5542-13.1299		13			19	55
7-MEd -Educational Administration & Supervision	10		10			38
5670-13.0401	10		10			38
7-MEd -Elementary Education	21	32	25	26	22	126



Row Labels	2009	2010	2011	2012	2013	Grand Total
5680-13.1202	21	32	25	26	22	126
7-MEd -Library Media	21	23	12	16	14	86
5780-13.0501	21	23	12	16	14	86
7-MEd -School Counseling	13	11	15	13	17	69
5640-13.1101	13	11	15	13	17	69
7-MEd -Secondary Education	13	22	17	15	16	83
5850-13.1205	13	22	17	15	16	83
7-MS -Clinical Mental Health Counseling		13		10		35
5620-13.1199		13		10		35
7-MS -Counseling						
5620-13.1199						
<b>UAF</b>	<b>441</b>	<b>475</b>	<b>523</b>	<b>538</b>	<b>622</b>	<b>2,599</b>
17-EdD -Adult and Lifelong Learning						
9610-13.0403						
17-EdD -Educational Leadership						19
4950-13.0401						19
17-EdD -Higher Education			14		10	38
4990-13.0406			14		10	38
17-EdD -Human Resources and Workforce Development Education				12		20
4932-13.1201				12		20
17-EdD -Workforce Development Education						
4932-13.1201						
17-PhD -Counselor Education						12
7200-13.1101						12
17-PhD -Curriculum & Instruction					13	35
7210-13.0301					13	35
17-PhD -Education Policy						
9130-13.0901						
17-PhD -Educational Statistics & Research Methods						
6777-13.0603						
5-BSA -Agricultural Education	14					14
3320-13.1301	14					14
5-BSA -Agricultural Education, Communication, and Technology		13	18	23	17	71
3320-1.0801			18	23	17	58
3320-13.1301		13				13
5-BSE -Career and Technical Education			17	15	23	62
4110-13.1319			17	15	23	62
5-BSE -Childhood Education	83	89	81	93	75	421
3770-13.1202	83	89	81	93	75	421
5-BSE -Elementary Education	32	35	43	42	42	194
2441-13.1209	32	35	43	42	42	194
5-BSE -Human Resource and Workforce Development Education					62	62
5201-52.1005					62	62
5-BSE -Kinesiology	24	41	49	44	61	219
3905-31.0501	24	41	49	44	61	219
5-BSE -Middle Level Education	19	14				35
3915-13.1203	19	14				35
5-BSE -Vocational Education	12					12
4110-13.1319	12					12
6-GC -Arkansas Curriculum / Program Administrator						
5550-13.0404						
6-GC -Autism Spectrum Disorders						10
6253-13.1013						10
6-GC -Preparing for the Professoriate						
6139-13.9999						
6-PMC -Educational Measurement						
5781-13.0604						
6-PMC -Educational Program Evaluation						
5778-13.0601						
6-PMC -Educational Statistics & Research Methods						
5777-13.0603						
7-MA -Secondary Mathematics						
5460-13.1311						
7-MAT -Childhood Education	59	66	72	60	67	324
5533-13.1202	59	66	72	60	67	324
7-MAT -Middle Level Education						20
5540-13.1203						20
7-MAT -Physical Education	10					10
5535-13.1314	10					10
7-MAT -Secondary Education	48	48	64	44	57	261
5560-13.1205	48	48	64	44	57	261
7-MEd -Adult and Lifelong Learning						
7610-13.0403						
7-MEd -Curriculum and Instruction						10
5680-13.0301						
5680-13.1202						
7-MEd -Educational Administration						
5670-13.0401						
7-MEd -Educational Leadership			12			35
5670-13.0401			12			35
7-MEd -Educational Technology		11			11	38
5760-13.0501		11			11	38
7-MEd -Elementary Education						14
5680-13.1202						14

Row Labels	2009	2010	2011	2012	2013	Grand Total
7-MEd -Higher Education	14	17	21	20	31	103
5750-13.0406	14	17	21	20	31	103
7-MEd -Human Resources and Workforce Development Education				51	31	82
5901-13.1201				51	31	82
7-MEd -Physical Education						17
5820-13.1314						17
7-MEd -Secondary Education			10	16	13	52
5850-13.1205			10	16	13	52
7-MEd -Special Education		15	13	18	11	61
5870-13.1001		15	13	18	11	61
7-MEd -Workforce Development Education	41	42	32			115
5901-13.1201	41	42	32			115
7-MS -Agricultural & Extension Education						22
6040-13.1301						22
7-MS -Counseling	11	15	11	11	15	63
6185-13.1101	11	15	11	11	15	63
7-MS -Educational Statistics and Research Methods						
5536-13.0699						
8-EDS -Curriculum & Instruction						17
5190-13.0301						17
8-EdS -Educational Administration						
5110-13.0401						
8-EdS -Educational Leadership						
5110-13.0401						
8-PMC -Arkansas Curriculum / Program Administrator						
5550-13.0404						
8-PMC -Building-Level Administration					12	14
5552-13.0404					12	14
8-PMC -Building-Level Administrator						
5552-13.0404						
8-PMC -District-Level Administration						
5551-13.0404						
8-PMC -District-Level Administrator						
5551-13.0404						
8-PMC -Educational Measurement						
5781-13.0604						
8-PMC -Educational Policy Studies						
5779-13.0699						
8-PMC -Educational Program Evaluation						
5778-13.0601						
8-PMC -Educational Psychology						
6580-42.2806						
8-PMC -Educational Statistics & Research Methods						13
5777-13.0603						13
9-EdD -Adult Education						
4930-13.1201						
9-EdD -Educational Administration						
4950-13.0401						
9-EdD -Higher Education						
4990-13.0406						
9-EdD -Workforce Development Education						
4932-13.1201						
9-PhD -Counselor Education						
7200-13.1101						
9-PhD -Curriculum & Instruction						
7210-13.0301						
<b>UAFS</b>	<b>112</b>	<b>84</b>	<b>116</b>	<b>96</b>	<b>130</b>	<b>538</b>
1-CP -Teaching English as a Second Language						
1310-13.1401						
3-AAS -Early Childhood Education						27
310-13.121						27
5-BME -Music Education						11
1640-13.1312						11
5-BS -Biology						
3700-13.1322						
5-BS -Chemistry						
3720-13.1323						
5-BS -Early Childhood Education	66	57	71	53	62	309
2440-13.121	66	57	71	53	62	309
5-BS -English					16	45
2540-13.1305					16	45
5-BS -History	11		10			39
6850-13.1328	11		10			39
5-BS -Mathematics						
3910-13.1311						
5-BS -Middle Childhood Education	17		13	18	29	85
2910-13.1203	17		13	18	29	85
5-BS -Spanish						
3200-13.133						
<b>UALR</b>	<b>219</b>	<b>240</b>	<b>289</b>	<b>265</b>	<b>280</b>	<b>1,293</b>
17-EdD -Educational Administration						23
4960-13.0401						23
17-EdD -Higher Education		12				26
4990-13.0406		12				26

Row Labels	2009	2010	2011	2012	2013	Grand Total
5-BA -Art						
1280-50.0701						
5-BA -English					12	12
1420-23.0101					12	12
5-BA -French						
1450-16.0901						
5-BA -Mathematics						
1600-27.0101						
5-BA -Political Science						
1690-45.1001						
5-BA -Spanish						
1800-16.0905						
5-BFA -Art						
1250-50.0702						
5-BS -Biology						
2300-26.0101						
5-BS -Geology						
2660-40.0601						
5-BSE -Early Childhood Education	36	34	33	32	41	176
3750-13.121	36	34	33	32	41	176
5-BSE -Middle Childhood Education			10			33
3915-13.1203			10			33
6-GC -Gifted Education						11
5790-13.1004						11
6-GC -Reading/Literacy Coach	10		37			64
5771-13.1315	10		37			64
6-GC -Teaching Advanced Placement			12			20
5780-13.1004			12			20
7-MA -College Student Affairs						11
5750-13.0406						11
7-MA -Higher Education					12	27
5355-13.0406					12	23
5355-13.1299						
7-MA -Higher Education: Two-Year College Teaching						
5355-13.1299						
7-MA -Second Languages						15
5335-13.1401						15
7-MEd -Adult Education	20	10	19	18	15	82
5610-13.1201	20	10	19	18	15	82
7-MEd -Counselor Education	23	24	16	34	23	120
5650-13.1101	23	24	16	34	23	120
7-MEd -Curriculum & Instruction						14
5663-13.0301						14
7-MEd -Early Childhood Education			14	22	22	66
5655-13.121			14	22	22	66
7-MEd -Educational Administration						28
5670-13.0401						28
7-MEd -Learning Systems Technology		14	18	17	15	72
5760-13.0501		14	18	17	15	72
7-MEd -Middle Childhood Education	16	20	18	22	12	88
5805-13.1203	16	20	18	22	12	88
7-MEd -Reading	25	11	10			60
5825-13.1315	25	11	10			60
7-MEd -Secondary Education	34	39	51	33	38	195
5850-13.1205	34	39	51	33	38	195
7-MEd -Special Education			11		13	38
5870-13.1001			11		13	38
7-MEd -Teaching Gifted & Talented						37
5890-13.1004						37
8-EdS -Educational Administration						15
5110-13.0401						15
8-EdS -Reading				12		34
6915-13.1315				12		34
9-EdD -Educational Administration						
4960-13.0401						
9-EdD -Higher Education						
4990-13.0406						
<b>UAM</b>	<b>103</b>	<b>131</b>	<b>136</b>	<b>127</b>	<b>131</b>	<b>628</b>
2-TC -Early Childhood Education		13	20	15	15	70
4497-19.0708		13	20	15	15	70
5-BA -Early Childhood Education	18	24	15	38	24	119
2441-13.1209	18	24	15	38	24	119
5-BA -Middle Level Education						22
2908-13.1203						22
5-BA/BS -Health, Physical Education, & Exercise Science	12	33	31	19	18	113
2720-31.0501	12	33	31	19	18	113
5-BME -Music						
2160-13.1312						
5-BME -Music Education						
2160-13.1312						
5-BS -Health & Physical Education						15
2705-13.1314						15
5-BS -Teaching and Learning						
5139-13.9999						

Row Labels	2009	2010	2011	2012	2013	Grand Total
7-MAT -Education	49	31	47	34	44	205
5540-13.1205	49	31	47	34	44	205
7-MEd -Education						31
5550-13.1206						31
7-MEd -Educational Leadership						29
5670-13.0401						29
7-MPEC -Physical Education and Coaching						
7310-31.0501						
<b>UAPB</b>	<b>39</b>	<b>41</b>	<b>37</b>	<b>52</b>	<b>61</b>	<b>230</b>
5-BA -English						
1420-13.1305						
5-BS -Accounting						
2200-13.1303						
5-BS -Business Education						
2340-13.1303						
5-BS -Early Childhood Education	20	13	10	13		61
2440-13.121	20	13	10	13		61
5-BS -English Education						
2540-13.1305						
5-BS -Health & Physical Education				13	31	59
2680-13.1314					12	24
2680-31.0101				10	19	35
5-BS -Human Sciences Education						
2750-13.1308						
5-BS -Mathematics						
2870-13.1311						
5-BS -Mathematics Education						
3910-13.1311						
5-BS -Middle Level Education						16
2910-13.1203						16
5-BS -Music						
2185-50.0901						
7-MAT -Teaching						10
6705-13.1299						10
7-MEd -Early Childhood Education				11		38
6710-13.121				11		38
7-MEd -English Education						
5690-13.1305						
7-MEd -Health & Physical Education						
5725-13.1314						
7-MEd -Science Education						
5845-13.1316						
7-MEd -Secondary Education						16
5685-13.1305						
5685-13.1311						
5685-13.1314						
5685-13.1316						
7-MEd -Social Studies Education						
5860-13.1318						
<b>UCA</b>	<b>436</b>	<b>384</b>	<b>330</b>	<b>373</b>	<b>323</b>	<b>1,846</b>
5-BA -Art						
1250-50.0701						
5-BA -English				11		11
1420-23.0101				11		11
5-BA -Spanish						
1800-16.0905						
5-BM -Music						
2120-50.0903						
5-BS -Health Education	46	47	37	51	41	222
2690-51.1504	46	47	37	51	41	222
5-BSE -Business & Marketing Technology						14
3715-13.1303						14
5-BSE -English						14
3800-13.1305						14
5-BSE -Family & Consumer Sciences		12				34
4130-13.1308		12				34
5-BSE -Kinesiology & Physical Education	20				12	58
2830-13.1314	20				12	58
5-BSE -Mathematics					13	41
3910-13.1311					13	41
5-BSE -Middle Level Education	42	19	17	19	19	116
3915-13.1203	42	19	17	19	19	116
5-BSE -P - 4 Licensure	81	73	70	71	63	358
3756-13.1209	81	73	70	71	63	358
5-BSE -Secondary Science Education						17
3950-13.1316						17
5-BSE -Social Studies	13	15		10		53
4010-13.1318	13	15		10		53
6-GC -Early Childhood Special Education Instructional Specialist (P-4)						
6970-13.1001						
7-MA -Mathematics Education	10		14			48
5385-27.0101	10		14			48
7-MAT -Teaching	69	83	79	83	85	399
5543-13.1299	69	83	79	83	85	399

Row Labels	2009	2010	2011	2012	2013	Grand Total
7-MS -College Student Personnel Services	20	17	15	19	17	88
5615-13.1102	20	17	15	19	17	88
7-MS -Instructional Technology						20
5760-13.0501						20
7-MS -School Counseling						34
6470-13.1101						34
7-MS -School Leadership		21				21
6920-13.0499		21				21
7-MS -School Leadership, Management & Administration	24					24
6920-13.0499	24					24
7-MS -School Leadership, Management, and Administration			15	12	10	37
6920-13.0499			15	12	10	37
7-MS -Training Systems						14
6662-13.1303						14
7-MSE -Advanced Studies in Teacher Leadership						16
6750-13.0101						16
7-MSE -Advanced Studies in Teaching & Learning		15				15
6750-13.0101		15				15
7-MSE -Early Childhood Education						10
6710-13.121						10
7-MSE -Education in Advanced Studies in Teaching & Learning	16					16
6750-13.0101	16					16
7-MSE -Reading	33	17	15			77
6910-13.1315	33	17	15			77
7-MSE -Special Education	22	13		11		58
5870-13.1001	22	13		11		58
8-EdS -Educational Leadership						18
5120-13.0411						18
8-PMC -School-Based Leadership-Building Administration						
6980-13.0499						
8-PMC -School-Based Leadership-Special Education Program Administration						
6941-13.0499						
<b>2</b>	<b>358</b>	<b>356</b>	<b>483</b>	<b>473</b>	<b>427</b>	<b>2,097</b>
<b>ANC</b>	<b>12</b>		<b>37</b>	<b>18</b>	<b>26</b>	<b>102</b>
3-AAS -Early Childhood Education			33	11	17	75
437-13.121			33	11	17	75
3-AAT -Teaching						16
1005-13.1206						16
3-AS -Childhood Education						11
1203-13.1202						11
<b>ASUB</b>	<b>49</b>	<b>57</b>	<b>68</b>	<b>66</b>	<b>57</b>	<b>297</b>
1-CP -Early Childhood Education	21	16	26	15	20	98
337-19.0709	21	16	26	15	20	98
2-TC -Early Childhood Education						
4497-13.121						
3-AAS -Early Childhood Education						15
437-13.121						15
3-AAT -Teaching	27	34	37	50	30	178
1005-13.1206	27	34	37	50	30	178
<b>ASUMH</b>	<b>22</b>	<b>27</b>	<b>37</b>	<b>42</b>	<b>24</b>	<b>152</b>
3-AAT -Teaching	22	27	20	42	24	135
1005-13.1206	22	27	20	42	24	135
3-AS -Early Childhood Education			17			17
3121-13.121			17			17
<b>ASUN</b>	<b>13</b>					<b>40</b>
3-AAT -Teaching	13					40
1005-13.1206	13					40
<b>BRTC</b>						<b>17</b>
3-AAS -Early Childhood Education						10
437-13.121						10
3-AAT -Teaching						
1005-13.1206						
<b>CCCUA</b>			<b>16</b>	<b>12</b>	<b>15</b>	<b>54</b>
1-CP -English as a Second Language Education						
130-13.1401						
3-AAS -Early Childhood Education						15
437-13.121						15
3-AAS -Preschool Professionals						
437-13.121						
3-AAT -Teaching				10	12	33
1005-13.1206				10	12	33
<b>CotO</b>		<b>17</b>	<b>10</b>			<b>51</b>
1-CP -Early Childhood Education		15				25
4919-19.0709		15				25
3-AAS -Early Childhood Education						10
437-19.0708						10
3-AAT -Teaching						16
1005-13.1206						16
<b>EACC</b>	<b>13</b>			<b>10</b>		<b>42</b>
1-CP -Medical Professions Education						13
105-51						13
3-AAT -Teaching						29
1005-13.1203						
1005-13.1206						22

Row Labels	2009	2010	2011	2012	2013	Grand Total
<b>MSCC</b>	<b>10</b>			<b>13</b>	<b>11</b>	<b>49</b>
3-AAT -Teaching	10			13	11	49
1005-13.1206	10			13	11	49
<b>NAC</b>				<b>16</b>		<b>30</b>
3-AAT -Teaching				16		30
1005-13.1206				16		30
<b>NPCC</b>	<b>11</b>	<b>20</b>	<b>37</b>	<b>55</b>	<b>47</b>	<b>170</b>
2-TC -Advanced Emergency Medical Technology - Paramedic Education						12
4295-51.0904						12
2-TC -Advanced Emergency Medical Technology - Paramedic Education						
4295-51.0904						
2-TC -Early Childhood Education						17
4497-19.0709						17
3-AAS -Early Childcare Education					10	27
310-19.0708					10	27
3-AAS -Emergency Medical Service - Paramedic Education						
470-51.0904						
3-AAT -Teaching		10	24	37	33	105
1005-13.1206		10	24	37	33	105
<b>NWACC</b>	<b>28</b>	<b>29</b>	<b>32</b>	<b>23</b>	<b>37</b>	<b>149</b>
2-TC -Para Educators of Special Needs Learners						
4261-13.1501						
3-AAS -Early Childhood Education						12
437-13.121						12
3-AAS -Early Childhood Education (Birth to Pre-K credential)					10	14
437-13.121					10	14
3-AAT -Teaching	25	25	26	16	27	119
1005-13.1206	25	25	26	16	27	119
<b>OZC</b>	<b>24</b>	<b>21</b>	<b>23</b>	<b>31</b>	<b>27</b>	<b>126</b>
2-TC -Early Childhood Education						10
4497-13.121						
4497-19.0706						
3-AAT -Teaching	23	18	19	29	27	116
1005-13.1206	23	18	19	29	27	116
<b>PCCUA</b>	<b>48</b>	<b>29</b>	<b>64</b>	<b>39</b>	<b>29</b>	<b>209</b>
1-CP -Medical Professions Education	23		27	15		72
105-51	23		27	15		72
2-TC -Early Childhood Education		14	16		15	58
4497-13.121		14	16		15	58
3-AAS -Early Childhood Education	19	15	21	15		77
310-13.121	19	15	21	15		77
3-AAT -Teaching						
1005-13.1206						
<b>PTC</b>		<b>10</b>	<b>14</b>	<b>23</b>	<b>20</b>	<b>73</b>
3-AAT -Teaching		10	14	23	20	73
1005-13.1206		10	14	23	20	73
<b>RMCC</b>						
3-AAT -Teaching						
1005-13.1206						
<b>SACC</b>	<b>28</b>	<b>40</b>	<b>21</b>	<b>25</b>	<b>15</b>	<b>129</b>
1-CP -Early Childhood Education	10	15				42
4919-13.121	10	15				42
2-TC -Early Childhood Education						19
4497-13.121						19
2-TC -Early Childhood Education (Birth to Pre-K credential)						
4497-13.121						
3-AAS -Early Childhood Education						12
437-13.121						12
3-AAS -Early Childhood Education (Birth to Pre-K credential)						
437-13.121						
3-AAT -Teaching		13				38
1005-13.1206		13				38
<b>SAUT</b>		<b>17</b>	<b>12</b>		<b>12</b>	<b>59</b>
2-TC -Multimedia Audio / Video Production						
132-13.0501						
2-TC -Multimedia Film and Video Production						
132-13.0501						
3-AAT -Teaching		15	12		12	55
1005-13.1206		15	12		12	55
<b>SEAC</b>						
3-AAT -Teaching						
1005-13.1206						
<b>UACCB</b>	<b>56</b>	<b>48</b>	<b>65</b>	<b>46</b>	<b>39</b>	<b>254</b>
1-CP -Early Childhood Education	34	31	30	16	23	134
4919-13.121	34	31	30	16	23	134
2-TC -Early Childhood Education			13	13		48
4497-13.121			13	13		48
3-AAS -Early Childhood Education	10		22	14		63
437-13.121	10		22	14		63
3-AAT -Teaching						
1005-13.1206						
<b>UACCH</b>			<b>19</b>	<b>10</b>	<b>16</b>	<b>58</b>
1-CP -English as a Second Language						
130-13.1401						

Row Labels	2009	2010	2011	2012	2013	Grand Total
3-AAS -Early Childhood Education						24
437-19.0708						24
3-AAT -Teaching			10			33
1005-13.1206			10			33
<b>UACCM</b>					15	27
3-AAT -Teaching					15	27
1005-13.1206					15	27
<b>Grand Total</b>	<b>2,798</b>	<b>3,351</b>	<b>3,942</b>	<b>4,502</b>	<b>4,477</b>	<b>19,070</b>

NOTES: (1) All counts of less than 10 are not shown due to FERPA. (2) Only students earning credentials are counted as follows: (a) the 2-digit CIP Category was 13, (b) the EE\_CIP\_CODE field in the graduate table was identified as a major or minor in an educational field, or (c) the degree name included the word 'education.'

General Students with Education Majors												
No.	Type	Inst. Name	CIP Code	CIP Name	Degree Level	Degree Code	Degree Name	2009 Fall	2010 Fall	2011 Fall	2012 Fall	2013 Fall
1	1	ASUJ	13.1309	Technology Teacher Education/Industrial Arts Teacher Education	3	1215	Technical - Vocational Education					
2	1	ASUJ	13.1311	Mathematics Teacher Education	5	3910	Mathematics Education	39	45	35	44	56
3	1	ASUJ	13.1311	Mathematics Teacher Education	7	6870	Mathematics					
4	1	ASUJ	13.1322	Biology Teacher Education	5	3700	Biology	17	18	15	21	19
5	1	ASUJ	13.1322	Biology Teacher Education	7	6650	Biology					
6	1	ASUJ	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
7	1	ASUJ	13.1323	Chemistry Teacher Education	7	6670	Chemistry					
8	1	ASUJ	13.1329	Physics Teacher Education	5	3960	Physics					
								<b>69</b>	<b>76</b>	<b>67</b>	<b>73</b>	<b>80</b>
9	1	ATU	13.1311	Mathematics Teacher Education	5	9870	Mathematics	40	44	51	55	40
10	1	ATU	13.1311	Mathematics Teacher Education	7	5790	Mathematics					
11	1	ATU	13.1316	Science Teacher Education/General Science Teach Education	5	9010	Physical Science & Earth Science					
12	1	ATU	13.1322	Biology Teacher Education	5	9300	Life Science & Earth Science	16	14	15		12
13	1	ATU	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
								<b>63</b>	<b>64</b>	<b>73</b>	<b>68</b>	<b>57</b>
14	1	HSU	13.1311	Mathematics Teacher Education	5	3910	Mathematics					
15	1	HSU	13.1311	Mathematics Teacher Education	7	6870	Mathematics					
16	1	HSU	13.1316	Science Teacher Education/General Science Teach Education	5	2640	General Science					
17	1	HSU	13.1316	Science Teacher Education/General Science Teach Education	7	6890	Physical Science					
18	1	HSU	13.1322	Biology Teacher Education	5	3700	Biology					
19	1	HSU	13.1322	Biology Teacher Education	7	6650	Biology					
20	1	HSU	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
21	1	HSU	13.1329	Physics Teacher Education	5	3960	Physics					
22	1	SAUM	13.1311	Mathematics Teacher Education	5	3910	Mathematics					
23	1	SAUM	13.1311	Mathematics Teacher Education	7	5790	Mathematics Education					
24	1	SAUM	13.1311	Mathematics Teacher Education	7	5800	Mathematics, General Science					
25	1	SAUM	13.1316	Science Teacher Education/General Science Teach Education	5	3830	General Science					
26	1	SAUM	13.1316	Science Teacher Education/General Science Teach Education	7	5710	General Science in Secondary Education					
27	1	SAUM	13.1322	Biology Teacher Education	5	3690	Biological Sciences					
28	1	SAUM	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
29	1	SAUM	13.1329	Physics Teacher Education	5	3960	Physics					
30	1	UAF	13.1309	Technology Teacher Education/Industrial Arts Teacher Education	5	3890	Industrial & Technical Education					
31	1	UAF	13.1311	Mathematics Teacher Education	5	3910	Mathematics Education					
32	1	UAF	13.1311	Mathematics Teacher Education	7	5460	Secondary Mathematics					
33	1	UAF	13.1311	Mathematics Teacher Education	7	5790	Mathematics Education					
34	1	UAF	13.1316	Science Teacher Education/General Science Teach Education	5	3990	Science Education					
35	1	UAFS	13.1311	Mathematics Teacher Education	1	132	Certificate for 8th Grade Algebra I Licensure/Endorsement					
36	1	UAFS	13.1311	Mathematics Teacher Education	5	3910	Mathematics	41	48	43	42	54
37	1	UAFS	13.1322	Biology Teacher Education	5	3700	Biology	39	44	34	36	35
38	1	UAFS	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
								<b>85</b>	<b>94</b>	<b>78</b>	<b>81</b>	<b>92</b>



No.	Type	Inst. Name	CIP Code	CIP Name	Degree Level	Degree Code	Degree Name	2009 Fall	2010 Fall	2011 Fall	2012 Fall	2013 Fall
39	1	UAM	13.1311	Mathematics Teacher Education	5	9870	Mathematics					
40	1	UAM	13.1311	Mathematics Teacher Education	7	5790	Mathematics					
41	1	UAM	13.1316	Science Teacher Education/General Science Teach Education	5	9010	Physical Science					
42	1	UAM	13.1316	Science Teacher Education/General Science Teach Education	5	9640	General Science					
43	1	UAM	13.1316	Science Teacher Education/General Science Teach Education	7	5700	General Science					
44	1	UAM	13.1322	Biology Teacher Education	5	9300	Biology					
45	1	UAM	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
46	1	UAM	13.1329	Physics Teacher Education	5	9030	Physics					
47	1	UAPB	13.1311	Mathematics Teacher Education	5	3910	Mathematics Education	15	11	19	15	
48	1	UAPB	13.1311	Mathematics Teacher Education	7	5790	Mathematics Education					
49	1	UAPB	13.1316	Science Teacher Education/General Science Teach Education	5	3170	Science Education					
50	1	UAPB	13.1316	Science Teacher Education/General Science Teach Education	7	5845	Science Education		11			
								<b>25</b>	<b>28</b>	<b>36</b>	<b>29</b>	
51	1	UCA	13.1309	Technology Teacher Education/Industrial Arts Teacher Education	5	3895	Industrial Technology					
52	1	UCA	13.1309	Technology Teacher Education/Industrial Arts Teacher Education	7	6865	Industrial Technology					
53	1	UCA	13.1311	Mathematics Teacher Education	5	3910	Mathematics	53	48	35	26	14
54	1	UCA	13.1311	Mathematics Teacher Education	7	6870	Mathematics					
55	1	UCA	13.1316	Science Teacher Education/General Science Teach Education	5	3830	General Science					
56	1	UCA	13.1316	Science Teacher Education/General Science Teach Education	5	3950	Secondary Science Education	23	15	18	13	
57	1	UCA	13.1316	Science Teacher Education/General Science Teach Education	7	6890	Physical Science					
58	1	UCA	13.1322	Biology Teacher Education	5	3700	Biology					
59	1	UCA	13.1322	Biology Teacher Education	7	6650	Biology					
60	1	UCA	13.1323	Chemistry Teacher Education	5	3720	Chemistry					
61	1	UCA	13.1329	Physics Teacher Education	5	3960	Physics					
								<b>76</b>	<b>63</b>	<b>53</b>	<b>39</b>	<b>23</b>
							<b>4 Year University Totals</b>	319	327	311	295	261
							<b>2 Year College Totals</b>					
							<b>Totals</b>	319	327	311	295	261

NOTE: Counts of less than 10 are not shown due to FERPA.

## STEM CIP Codes from ICE

#	CIP Code	CIP Name	Version		
			2010	2011	2012
1	01.0308	Agroecology and Sustainable Agriculture			X
2	01.0901	Animal Sciences, General		X	X
3	01.0902	Agricultural Animal Breeding		X	X
4	01.0903	Animal Health		X	X
5	01.0904	Animal Nutrition		X	X
6	01.0905	Dairy Science		X	X
7	01.0906	Livestock Management		X	X
8	01.0907	Poultry Science		X	X
9	01.0999	Animal Sciences, Other			X
10	01.1001	Food Science		X	X
11	01.1002	Food Technology and Processing		X	X
12	01.1099	Food Science and Technology, Other			X
13	01.1101	Plant Sciences, General		X	X
14	01.1102	Agronomy and Crop Science		X	X
15	01.1103	Horticultural Science		X	X
16	01.1104	Agricultural and Horticultural Plant Breeding		X	X
17	01.1105	Plant Protection and Integrated Pest Management		X	X
18	01.1106	Range Science and Management		X	X
19	01.1199	Plant Sciences, Other			X
20	01.1201	Soil Science and Agronomy, General		X	X
21	01.1202	Soil Chemistry and Physics		X	X
22	01.1203	Soil Microbiology		X	X
23	01.1299	Soil Sciences, Other			X
24	03.0101	Natural Resources/Conservation, General			X
25	03.0103	Environmental Studies			X
26	03.0104	Environmental Science		X	X
27	03.0199	Natural Resources Conservation and Research, Other			X
28	03.0205	Water, Wetlands, and Marine Resources Management			X
29	03.0502	Forest Sciences and Biology		X	X
30	03.0508	Urban Forestry			X
31	03.0509	Wood Science and Wood Products/Pulp and Paper Technology		X	X
32	03.0601	Wildlife, Fish and Wildlands Science and Management			X
33	04.0902	Architectural and Building Sciences/Technology			X
34	09.0702	Digital Communication and Media/Multimedia		X	X
35	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects		X	X
36	11.0101	Computer and Information Sciences, General	X	X	X
37	11.0102	Artificial Intelligence	X	X	X
38	11.0103	Information Technology	X	X	X
39	11.0104	Informatics		X	X
40	11.0199	Computer and Information Sciences, Other			X
41	11.0201	Computer Programming/Programmer, General	X	X	X
42	11.0202	Computer Programming, Specific Applications	X	X	X
43	11.0203	Computer Programming, Vendor/Product Certification	X	X	X
44	11.0299	Computer Programming, Other			X
45	11.0301	Data Processing and Data Processing Technology/Technician	X	X	X
46	11.0401	Information Science/Studies	X	X	X
47	11.0501	Computer Systems Analysis/Analyst	X	X	X
48	11.0701	Computer Science	X	X	X
49	11.0801	Web Page, Digital/Multimedia and Information Resources Design	X	X	X
50	11.0802	Data Modeling/Warehousing and Database Administration	X	X	X
51	11.0803	Computer Graphics	X	X	X
52	11.0804	Modeling, Virtual Environments and Simulation		X	X
53	11.0899	Computer Software and Media Applications, Other			X
54	11.0901	Computer Systems Networking and Telecommunications	X	X	X
55	11.1001	Network and System Administration/Administrator	X	X	X
56	11.1002	System, Networking, and LAN/WAN Management/Manager	X	X	X
57	11.1003	Computer and Information Systems Security/Information Assurance	X	X	X
58	11.1004	Web/Multimedia Management and Webmaster	X	X	X
59	11.1005	Information Technology Project Management		X	X
60	11.1006	Computer Support Specialist		X	X
61	11.1099	Computer/Information Technology Services Administration and Management, Other			X
62	13.0501	Educational/Instructional Technology			X
63	13.0601	Educational Evaluation and Research			X
64	13.0603	Educational Statistics and Research Methods		X	X
65	14.0101	Engineering, General	X	X	X
66	14.0102	Pre-Engineering		X	X
67	14.0201	Aerospace, Aeronautical and Astronautical/Space Engineering	X	X	X
68	14.0301	Agricultural Engineering	X	X	X
69	14.0401	Architectural Engineering	X	X	X
70	14.0501	Bioengineering and Biomedical Engineering	X	X	X
71	14.0601	Ceramic Sciences and Engineering	X	X	X
72	14.0701	Chemical Engineering	X	X	X
73	14.0702	Chemical and Biomolecular Engineering		X	X

#	CIP Code	CIP Name	Version		
			2010	2011	2012
74	14.0799	Chemical Engineering, Other			X
75	14.0801	Civil Engineering, General	X	X	X
76	14.0802	Geotechnical and Geoenvironmental Engineering	X	X	X
77	14.0803	Structural Engineering	X	X	X
78	14.0804	Transportation and Highway Engineering	X	X	X
79	14.0805	Water Resources Engineering	X	X	X
80	14.0899	Civil Engineering, Other			X
81	14.0901	Computer Engineering, General	X	X	X
82	14.0902	Computer Hardware Engineering	X	X	X
83	14.0903	Computer Software Engineering	X	X	X
84	14.0999	Computer Engineering, Other			X
85	14.1001	Electrical and Electronics Engineering	X	X	X
86	14.1003	Laser and Optical Engineering		X	X
87	14.1004	Telecommunications Engineering		X	X
88	14.1099	Electrical, Electronics and Communications Engineering, Other			X
89	14.1101	Engineering Mechanics	X	X	X
90	14.1201	Engineering Physics/Applied Physics	X	X	X
91	14.1301	Engineering Science	X	X	X
92	14.1401	Environmental/Environmental Health Engineering	X	X	X
93	14.1801	Materials Engineering	X	X	X
94	14.1901	Mechanical Engineering	X	X	X
95	14.2001	Metallurgical Engineering	X	X	X
96	14.2101	Mining and Mineral Engineering	X	X	X
97	14.2201	Naval Architecture and Marine Engineering	X	X	X
98	14.2301	Nuclear Engineering	X	X	X
99	14.2401	Ocean Engineering	X	X	X
100	14.2501	Petroleum Engineering	X	X	X
101	14.2701	Systems Engineering	X	X	X
102	14.2801	Textile Sciences and Engineering	X	X	X
103	14.3101	Materials Science	X		
104	14.3201	Polymer/Plastics Engineering	X	X	X
105	14.3301	Construction Engineering	X	X	X
106	14.3401	Forest Engineering	X	X	X
107	14.3501	Industrial Engineering	X	X	X
108	14.3601	Manufacturing Engineering	X	X	X
109	14.3701	Operations Research	X	X	X
110	14.3801	Surveying Engineering	X	X	X
111	14.3901	Geological/Geophysical Engineering	X	X	X
112	14.4001	Paper Science and Engineering		X	X
113	14.4101	Electromechanical Engineering		X	X
114	14.4201	Mechatronics, Robotics, and Automation Engineering		X	X
115	14.4301	Biochemical Engineering		X	X
116	14.4401	Engineering Chemistry		X	X
117	14.4501	Biological/Biosystems Engineering		X	X
118	14.9999	Engineering, Other			X
119	15.0000	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS	X	X	X
120	15.0101	Architectural Engineering Technology/Technician	X	X	X
121	15.0201	Civil Engineering Technology/Technician	X	X	X
122	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician	X	X	X
123	15.0304	Laser and Optical Technology/Technician	X	X	X
124	15.0305	Telecommunications Technology/Technician	X	X	X
125	15.0306	Integrated Circuit Design		X	X
126	15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other			X
127	15.0401	Biomedical Technology/Technician	X	X	X
128	15.0403	Electromechanical Technology/Electromechanical Engineering Technology	X	X	X
129	15.0404	Instrumentation Technology/Technician	X	X	X
130	15.0405	Robotics Technology/Technician	X	X	X
131	15.0406	Automation Engineer Technology/Technician		X	X
132	15.0499	Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other			X
133	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician	X	X	X
134	15.0503	Energy Management and Systems Technology/Technician	X	X	X
135	15.0505	Solar Energy Technology/Technician	X	X	X
136	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician	X	X	X
137	15.0507	Environmental Engineering Technology/Environmental Technology	X	X	X
138	15.0508	Hazardous Materials Management and Waste Technology/Technician	X	X	X
139	15.0599	Environmental Control Technologies/Technicians, Other			X
140	15.0607	Plastics and Polymer Engineering Technology/Technician	X	X	X
141	15.0611	Metallurgical Technology/Technician	X	X	X
142	15.0612	Industrial Technology/Technician	X	X	X
143	15.0613	Manufacturing Engineering Technology/Technician	X	X	X
144	15.0614	Welding Engineering Technology/Technician		X	X
145	15.0615	Chemical Engineering Technology/Technician		X	X
146	15.0616	Semiconductor Manufacturing Technology		X	X
147	15.0699	Industrial Production Technologies/Technicians, Other			X
148	15.0701	Occupational Safety and Health Technology/Technician	X	X	X
149	15.0702	Quality Control Technology/Technician	X	X	X

#	CIP Code	CIP Name	Version		
			2010	2011	2012
150	15.0703	Industrial Safety Technology/Technician	X	X	X
151	15.0704	Hazardous Materials Information Systems Technology/Technician	X	X	X
152	15.0799	Quality Control and Safety Technologies/Technicians, Other			X
153	15.0801	Aeronautical/Aerospace Engineering Technology/Technician	X	X	X
154	15.0803	Automotive Engineering Technology/Technician	X	X	X
155	15.0805	Mechanical Engineering/Mechanical Technology/Technician	X	X	X
156	15.0899	Mechanical Engineering Related Technologies/Technicians, Other			X
157	15.0901	Mining Technology/Technician	X	X	X
158	15.0903	Petroleum Technology/Technician	X	X	X
159	15.0999	Mining and Petroleum Technologies/Technicians, Other			X
160	15.1001	Construction Engineering Technology/Technician	X	X	X
161	15.1102	Surveying Technology/Surveying	X	X	X
162	15.1103	Hydraulics and Fluid Power Technology/Technician	X	X	X
163	15.1199	Engineering-Related Technologies, Other			X
164	15.1201	Computer Engineering Technology/Technician	X	X	X
165	15.1202	Computer Technology/Computer Systems Technology	X	X	X
166	15.1203	Computer Hardware Technology/Technician	X	X	X
167	15.1204	Computer Software Technology/Technician	X	X	X
168	15.1299	Computer Engineering Technologies/Technicians, Other			X
169	15.1301	Drafting and Design Technology/Technician, General	X	X	X
170	15.1302	CAD/CADD Drafting and/or Design Technology/Technician	X	X	X
171	15.1303	Architectural Drafting and Architectural CAD/CADD	X	X	X
172	15.1304	Civil Drafting and Civil Engineering CAD/CADD	X	X	X
173	15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	X	X	X
174	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD	X	X	X
175	15.1399	Drafting/Design Engineering Technologies/Technicians, Other			X
176	15.1401	Nuclear Engineering Technology/Technician	X	X	X
177	15.1501	Engineering/Industrial Management	X	X	X
178	15.1502	Engineering Design		X	X
179	15.1503	Packaging Science		X	X
180	15.1599	Engineering-Related Fields, Other			X
181	15.1601	Nanotechnology		X	X
182	15.9999	Engineering Technologies and Engineering-Related Fields, Other			X
183	26.0101	Biology/Biological Sciences, General	X	X	X
184	26.0102	Biomedical Sciences, General	X	X	X
185	26.0202	Biochemistry	X	X	X
186	26.0203	Biophysics	X	X	X
187	26.0204	Molecular Biology	X	X	X
188	26.0205	Molecular Biochemistry	X	X	X
189	26.0206	Molecular Biophysics	X	X	X
190	26.0207	Structural Biology	X	X	X
191	26.0208	Photobiology	X	X	X
192	26.0209	Radiation Biology/Radiobiology	X	X	X
193	26.0210	Biochemistry and Molecular Biology	X	X	X
194	26.0299	Biochemistry, Biophysics and Molecular Biology, Other			X
195	26.0301	Botany/Plant Biology	X	X	X
196	26.0305	Plant Pathology/Phytopathology	X	X	X
197	26.0307	Plant Physiology	X	X	X
198	26.0308	Plant Molecular Biology	X	X	X
199	26.0399	Botany/Plant Biology, Other			X
200	26.0401	Cell/Cellular Biology and Histology	X	X	X
201	26.0403	Anatomy	X	X	X
202	26.0404	Developmental Biology and Embryology	X	X	X
203	26.0405	Neuroanatomy	X		
204	26.0406	Cell/Cellular and Molecular Biology	X	X	X
205	26.0407	Cell Biology and Anatomy	X	X	X
206	26.0499	Cell/Cellular Biology and Anatomical Sciences, Other			X
207	26.0502	Microbiology, General	X	X	X
208	26.0503	Medical Microbiology and Bacteriology	X	X	X
209	26.0504	Virology	X	X	X
210	26.0505	Parasitology	X	X	X
211	26.0506	Mycology	X	X	X
212	26.0507	Immunology	X	X	X
213	26.0508	Microbiology and Immunology		X	X
214	26.0599	Microbiological Sciences and Immunology, Other			X
215	26.0701	Zoology/Animal Biology	X	X	X
216	26.0702	Entomology	X	X	X
217	26.0707	Animal Physiology	X	X	X
218	26.0708	Animal Behavior and Ethology	X	X	X
219	26.0709	Wildlife Biology	X	X	X
220	26.0799	Zoology/Animal Biology, Other			X
221	26.0801	Genetics, General	X	X	X
222	26.0802	Molecular Genetics	X	X	X
223	26.0803	Microbial and Eukaryotic Genetics	X	X	X
224	26.0804	Animal Genetics	X	X	X
225	26.0805	Plant Genetics	X	X	X

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			2010	2011	2012
226	26.0806	Human/Medical Genetics	X	X	X
227	26.0807	Genome Sciences/Genomics		X	X
228	26.0899	Genetics, Other			X
229	26.0901	Physiology, General	X	X	X
230	26.0902	Molecular Physiology	X	X	X
231	26.0903	Cell Physiology	X	X	X
232	26.0904	Endocrinology	X	X	X
233	26.0905	Reproductive Biology	X	X	X
234	26.0906	Neurobiology and Neurophysiology	X		
235	26.0907	Cardiovascular Science	X	X	X
236	26.0908	Exercise Physiology	X	X	X
237	26.0909	Vision Science/Physiological Optics	X	X	X
238	26.0910	Pathology/Experimental Pathology	X	X	X
239	26.0911	Oncology and Cancer Biology	X	X	X
240	26.0912	Aerospace Physiology and Medicine		X	X
241	26.0999	Physiology, Pathology, and Related Sciences, Other			X
242	26.1001	Pharmacology	X	X	X
243	26.1002	Molecular Pharmacology	X	X	X
244	26.1003	Neuropharmacology	X	X	X
245	26.1004	Toxicology	X	X	X
246	26.1005	Molecular Toxicology	X	X	X
247	26.1006	Environmental Toxicology	X	X	X
248	26.1007	Pharmacology and Toxicology	X	X	X
249	26.1099	Pharmacology and Toxicology, Other			X
250	26.1101	Biometry/Biometrics	X	X	X
251	26.1102	Biostatistics	X	X	X
252	26.1103	Bioinformatics	X	X	X
253	26.1104	Computational Biology		X	X
254	26.1199	Biomathematics, Bioinformatics, and Computational Biology, Other			X
255	26.1201	Biotechnology	X	X	X
256	26.1301	Ecology	X	X	X
257	26.1302	Marine Biology and Biological Oceanography	X	X	X
258	26.1303	Evolutionary Biology	X	X	X
259	26.1304	Aquatic Biology/Limnology	X	X	X
260	26.1305	Environmental Biology	X	X	X
261	26.1306	Population Biology	X	X	X
262	26.1307	Conservation Biology	X	X	X
263	26.1308	Systematic Biology/Biological Systematics	X	X	X
264	26.1309	Epidemiology	X	X	X
265	26.1310	Ecology and Evolutionary Biology		X	X
266	26.1399	Ecology, Evolution, Systematics and Population Biology, Other			X
267	26.1401	Molecular Medicine		X	X
268	26.1501	Neuroscience		X	X
269	26.1502	Neuroanatomy		X	X
270	26.1503	Neurobiology and Anatomy		X	X
271	26.1504	Neurobiology and Behavior		X	X
272	26.1599	Neurobiology and Neurosciences, Other			X
273	26.9999	Biological and Biomedical Sciences, Other			X
274	27.0101	Mathematics, General	X	X	X
275	27.0102	Algebra and Number Theory	X	X	X
276	27.0103	Analysis and Functional Analysis	X	X	X
277	27.0104	Geometry/Geometric Analysis	X	X	X
278	27.0105	Topology and Foundations	X	X	X
279	27.0199	Mathematics, Other			X
280	27.0301	Applied Mathematics, General	X	X	X
281	27.0303	Computational Mathematics	X	X	X
282	27.0304	Computational and Applied Mathematics		X	X
283	27.0305	Financial Mathematics		X	X
284	27.0306	Mathematical Biology		X	X
285	27.0399	Applied Mathematics, Other			X
286	27.0501	Statistics, General	X	X	X
287	27.0502	Mathematical Statistics and Probability	X	X	X
288	27.0503	Mathematics and Statistics		X	X
289	27.0599	Statistics, Other			X
290	27.9999	Mathematics and Statistics, Other			X
291	28.0501	Air Science/Airpower Studies			X
292	28.0502	Air and Space Operational Art and Science			X
293	28.0505	Naval Science and Operational Studies			X
294	29.0101	Military Technologies	X		
295	29.0201	Intelligence, General		X	X
296	29.0202	Strategic Intelligence		X	X
297	29.0203	Signal/Geospatial Intelligence		X	X
298	29.0204	Command & Control (C3, C4) Systems and Operations		X	X
299	29.0205	Information Operations/Joint Information Operations		X	X
300	29.0206	Information/Psychological Warfare and Military Media Relations		X	X
301	29.0207	Cyber/Electronic Operations and Warfare		X	X

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			2010	2011	2012
302	29.0299	Intelligence, Command Control and Information Operations, Other			X
303	29.0301	Combat Systems Engineering		X	X
304	29.0302	Directed Energy Systems		X	X
305	29.0303	Engineering Acoustics		X	X
306	29.0304	Low-Observables and Stealth Technology		X	X
307	29.0305	Space Systems Operations		X	X
308	29.0306	Operational Oceanography		X	X
309	29.0307	Undersea Warfare		X	X
310	29.0399	Military Applied Sciences, Other			X
311	29.0401	Aerospace Ground Equipment Technology		X	X
312	29.0402	Air and Space Operations Technology		X	X
313	29.0403	Aircraft Armament Systems Technology		X	X
314	29.0404	Explosive Ordinance/Bomb Disposal		X	X
315	29.0405	Joint Command/Task Force (C3, C4) Systems		X	X
316	29.0406	Military Information Systems Technology		X	X
317	29.0407	Missile and Space Systems Technology		X	X
318	29.0408	Munitions Systems/Ordinance Technology		X	X
319	29.0409	Radar Communications and Systems Technology		X	X
320	29.0499	Military Systems and Maintenance Technology, Other			X
321	29.9999	Military Technologies and Applied Sciences, Other			X
322	30.0101	Biological and Physical Sciences		X	X
323	30.0601	Systems Science and Theory		X	X
324	30.0801	Mathematics and Computer Science		X	X
325	30.1001	Biopsychology		X	X
326	30.1701	Behavioral Sciences			X
327	30.1801	Natural Sciences		X	X
328	30.1901	Nutrition Sciences		X	X
329	30.2501	Cognitive Science		X	X
330	30.2701	Human Biology			X
331	30.3001	Computational Science			X
332	30.3101	Human Computer Interaction			X
333	30.3201	Marine Sciences		X	X
334	30.3301	Sustainability Studies			X
335	40.0101	Physical Sciences	X	X	X
336	40.0201	Astronomy	X	X	X
337	40.0202	Astrophysics	X	X	X
338	40.0203	Planetary Astronomy and Science	X	X	X
339	40.0299	Astronomy and Astrophysics, Other			X
340	40.0401	Atmospheric Sciences and Meteorology, General	X	X	X
341	40.0402	Atmospheric Chemistry and Climatology	X	X	X
342	40.0403	Atmospheric Physics and Dynamics	X	X	X
343	40.0404	Meteorology	X	X	X
344	40.0499	Atmospheric Sciences and Meteorology, Other			X
345	40.0501	Chemistry, General	X	X	X
346	40.0502	Analytical Chemistry	X	X	X
347	40.0503	Inorganic Chemistry	X	X	X
348	40.0504	Organic Chemistry	X	X	X
349	40.0506	Physical Chemistry	X	X	X
350	40.0507	Polymer Chemistry	X	X	X
351	40.0508	Chemical Physics	X	X	X
352	40.0509	Environmental Chemistry		X	X
353	40.0510	Forensic Chemistry		X	X
354	40.0511	Theoretical Chemistry		X	X
355	40.0599	Chemistry, Other			X
356	40.0601	Geology/Earth Science, General	X	X	X
357	40.0602	Geochemistry	X	X	X
358	40.0603	Geophysics and Seismology	X	X	X
359	40.0604	Paleontology	X	X	X
360	40.0605	Hydrology and Water Resources Science	X	X	X
361	40.0606	Geochemistry and Petrology	X	X	X
362	40.0607	Oceanography, Chemical and Physical	X	X	X
363	40.0699	Geological and Earth Sciences/Geosciences, Other			X
364	40.0801	Physics, General	X	X	X
365	40.0802	Atomic/Molecular Physics	X	X	X
366	40.0804	Elementary Particle Physics	X	X	X
367	40.0805	Plasma and High-Temperature Physics	X	X	X
368	40.0806	Nuclear Physics	X	X	X
369	40.0807	Optics/Optical Sciences	X	X	X
370	40.0808	Condensed Matter and Materials Physics	X	X	X
371	40.0809	Acoustics	X	X	X
372	40.0810	Theoretical and Mathematical Physics	X	X	X
373	40.0899	Physics, Other			X
374	40.1001	Materials Science		X	X
375	40.1002	Materials Chemistry		X	X
376	40.1099	Materials Sciences, Other			X
377	40.9999	Physical Sciences, Other			X

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378	41.0000	SCIENCE TECHNOLOGIES/TECHNICIANS		X	X
379	41.0101	Biology Technician/Biotechnology Laboratory Technician	X	X	X
380	41.0204	Industrial Radiologic Technology/Technician	X	X	X
381	41.0205	Nuclear/Nuclear Power Technology/Technician	X	X	X
382	41.0299	Nuclear and Industrial Radiologic Technologies/Technicians, Other			X
383	41.0301	Chemical Technology/Technician	X	X	X
384	41.0303	Chemical Process Technology		X	X
385	41.0399	Physical Science Technologies/Technicians, Other			X
386	41.9999	Science Technologies/Technicians, Other			X
387	42.2701	Cognitive Psychology and Psycholinguistics		X	X
388	42.2702	Comparative Psychology		X	X
389	42.2703	Developmental and Child Psychology		X	X
390	42.2704	Experimental Psychology		X	X
391	42.2705	Personality Psychology		X	X
392	42.2706	Physiological Psychology/Psychobiology		X	X
393	42.2707	Social Psychology		X	X
394	42.2708	Psychometrics and Quantitative Psychology		X	X
395	42.2709	Psychopharmacology		X	X
396	42.2799	Research and Experimental Psychology, Other			X
397	43.0106	Forensic Science and Technology		X	X
398	43.0116	Cyber/Computer Forensics and Counterterrorism			X
399	45.0301	Archeology			X
400	45.0603	Econometrics and Quantitative Economics			X
401	45.0702	Geographic Information Science and Cartography		X	X
402	49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General			X
403	51.1002	Cytotechnology/Cytotechnologist			X
404	51.1005	Clinical Laboratory Science/Medical Technology/Technologist			X
405	51.1401	Medical Scientist	X	X	X
406	51.2003	Pharmaceutics and Drug Design		X	X
407	51.2004	Medicinal and Pharmaceutical Chemistry		X	X
408	51.2005	Natural Products Chemistry and Pharmacognosy		X	X
409	51.2006	Clinical and Industrial Drug Development			X
410	51.2007	Pharmacoeconomics/Pharmaceutical Economics			X
411	51.2009	Industrial and Physical Pharmacy and Cosmetic Sciences			X
412	51.2010	Pharmaceutical Sciences			X
413	51.2202	Environmental Health			X
414	51.2205	Health/Medical Physics			X
415	51.2502	Veterinary Anatomy			X
416	51.2503	Veterinary Physiology			X
417	51.2504	Veterinary Microbiology and Immunobiology			X
418	51.2505	Veterinary Pathology and Pathobiology			X
419	51.2506	Veterinary Toxicology and Pharmacology			X
420	51.2510	Veterinary Preventive Medicine, Epidemiology, and Public Health			X
421	51.2511	Veterinary Infectious Diseases			X
422	51.2706	Medical Informatics		X	X
423	52.1301	Management Science		X	X
424	52.1302	Business Statistics		X	X
425	52.1304	Actuarial Science	X	X	X
426	52.1399	Management Sciences and Quantitative Methods, Other			X