



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

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# ARKANSAS DEPARTMENT OF HIGHER EDUCATION 2012 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).

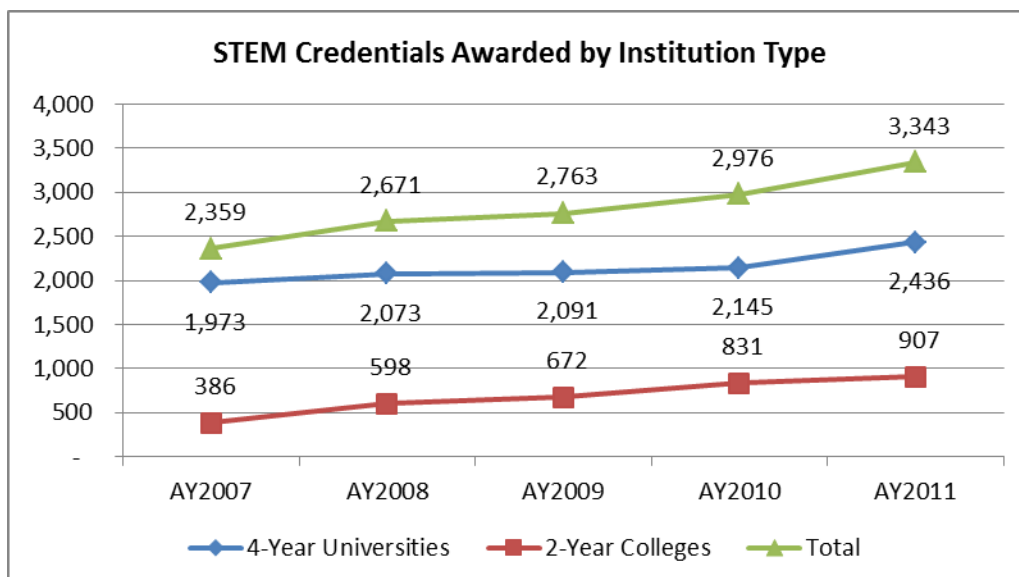
Arkansas is witnessing a significant shortfall in its ability to meet the STEM education needs of its students which will have tremendous implications for the state’s scientific and engineering workforce needed for the next decade. Addressing this issue is absolutely essential for the continued economic 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.

Please be aware that the CIP Codes for the STEM fields increased in 2011. This list expanded to 328 distinct CIP Codes. This report provides five (5) years of data and it uses the new list of CIP Codes for all 5 years. Therefore, this report will not be comparable to reports from past years.

## Degree Production

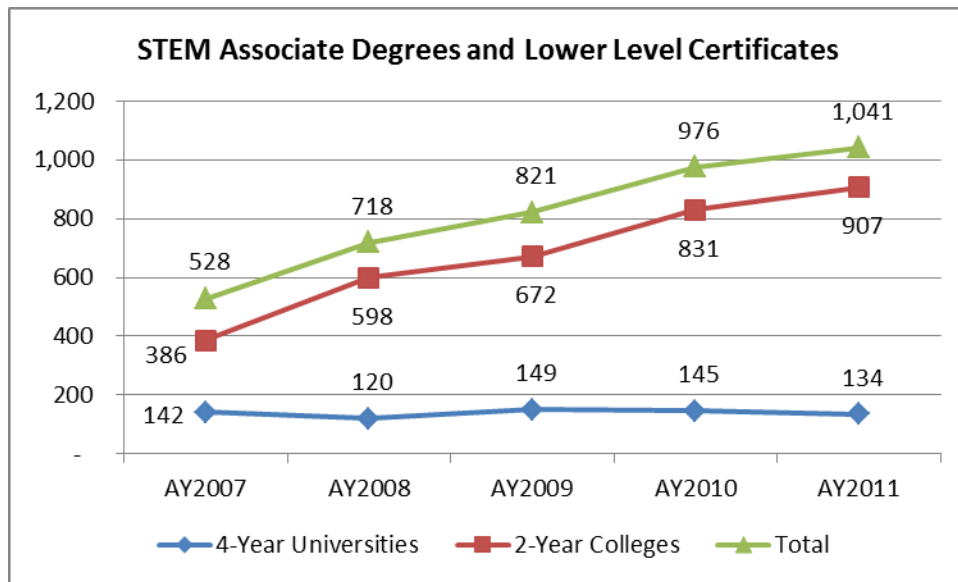
The total number of all STEM graduates has increased in every year increasing from 2,359 in AY2007 to 3,343 in AY2011 for an overall increase of 41.7%.

Graduates (Credentials Awarded)						
Institution Type	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
4-Year Universities	1,973	2,073	2,091	2,145	2,436	23.5%
2-Year Colleges	386	598	672	831	907	135.0%
Total	2,359	2,671	2,763	2,976	3,343	41.7%
Percent Change	-	13.2%	3.4%	7.7%	12.3%	-



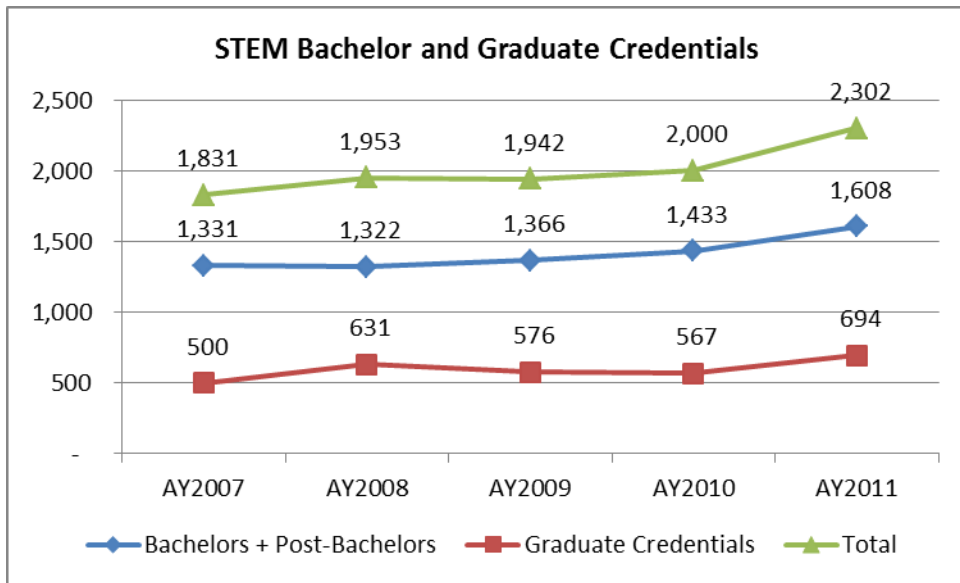
At the associate degree level (including both two-year and four-year institutions), the total number of STEM graduates has increased 97.2% between AY2007 and AY2011. However, this growth only occurred at the two-year institutions.

Associates Degrees and Lower Level Certificates						
Institution Type	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
4-Year Universities	142	120	149	145	134	-5.6%
2-Year Colleges	386	598	672	831	907	135.0%
Total	528	718	821	976	1,041	97.2%
Percent Change	-	36.0%	14.3%	18.9%	6.7%	-

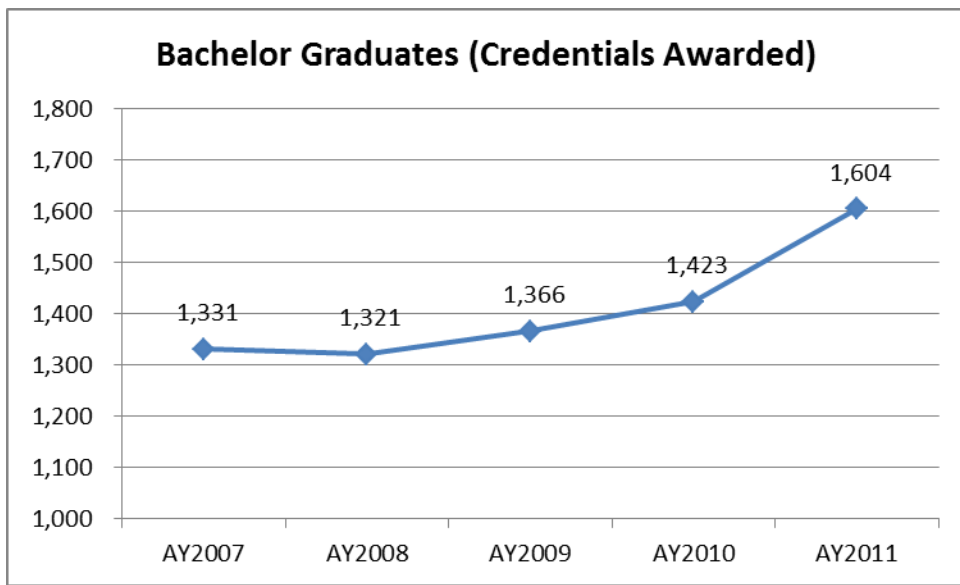


At the bachelors and graduate level, the total number of STEM graduates has increased as well but at a slower pace of 25.7% between AY2007 and AY2011.

Bachelors, Post-Bachelors, and Graduate Credentials						
Institution Type	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
Bachelors + Post-Bachelors	1,331	1,322	1,366	1,433	1,608	20.8%
Graduate Credentials	500	631	576	567	694	38.8%
Total	1,831	1,953	1,942	2,000	2,302	25.7%
Percent Change	-	6.7%	-0.6%	3.0%	15.1%	-



The total number of STEM students receiving bachelor's degrees from four-year institutions has increased from 1,331 to 1,604 (a 20.5% increase) between AY2007 and 2011.



The 4-Year Universities with the highest number of STEM credentials awarded from AY2007 – AY2011 were as follows.

1. UAF – 4,963 STEM credentials awarded from AY2007-AY2011
2. UALR – 1,182 STEM credentials awarded from AY2007-AY2011
3. ASUJ – 1,111 STEM credentials awarded from AY2007-AY2011

The 4-Year Universities with the highest growth rates from AY2007 – AY2011 were as follows.

1. SAUM – 77.8 percent
2. ASUJ – 45.8 percent
3. HSU – 38.2 percent

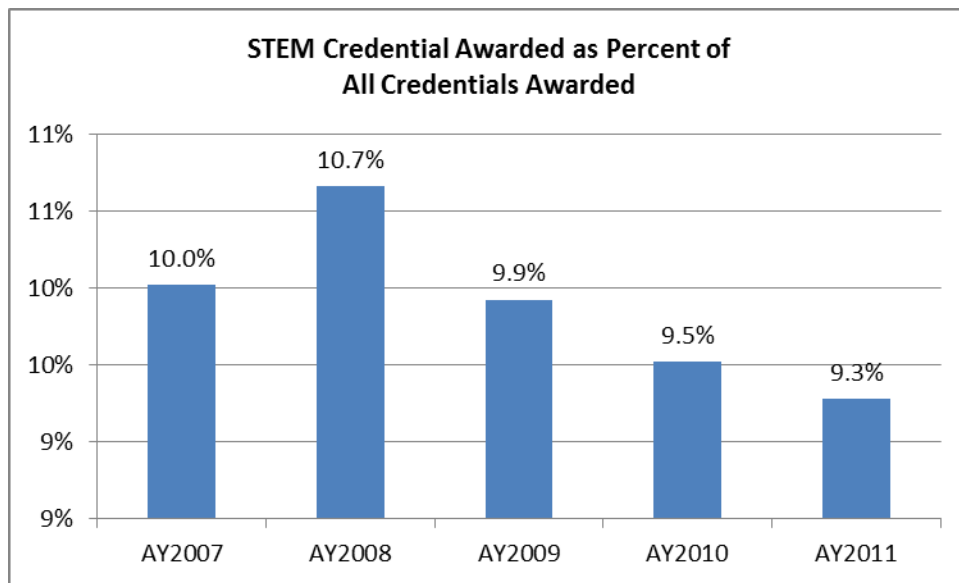
The 2-Year Colleges with the highest number of STEM credentials awarded from AY2007 – AY2011 were as follows.

1. UACCM – 897
2. ASUB – 496
3. PCCUA – 221

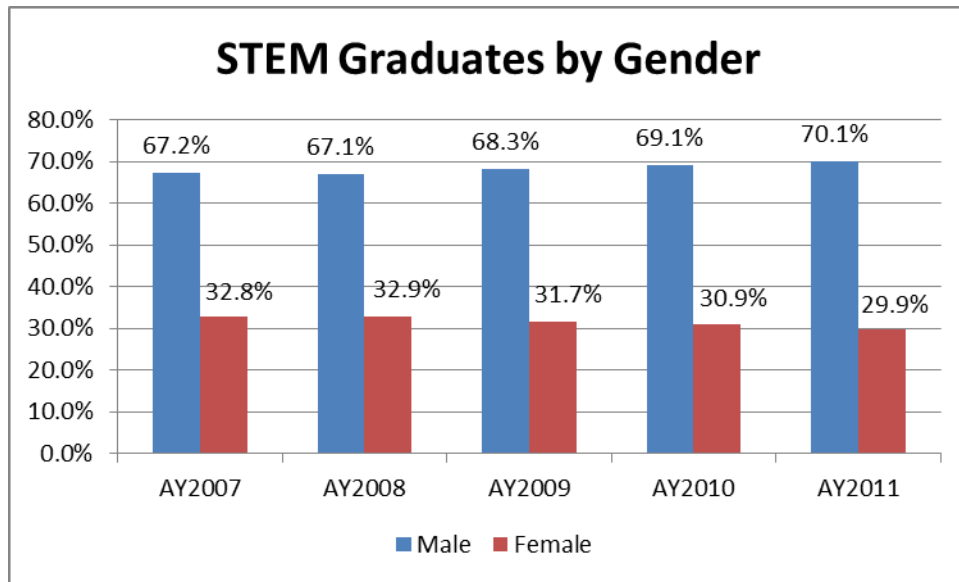
The 2-Year Colleges with the highest growth rates from AY2007 – AY2011 were as follows.

1. ASUN – 2000.0 percent
2. ANC – 425.0 percent
3. ASUB – 276.7 percent

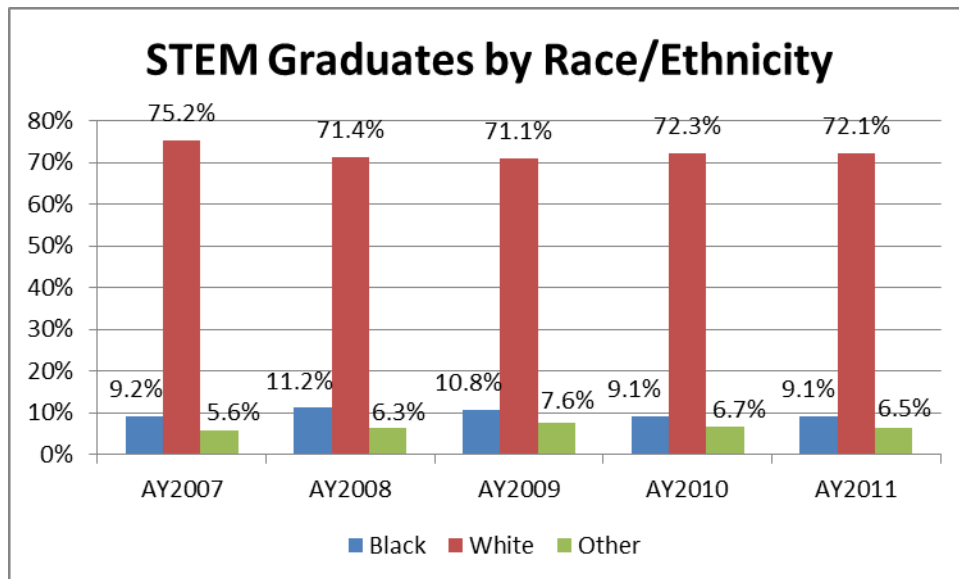
The below graphic shows that even though the total number of STEM credentials awarded is increasing, the share of STEM awards as compared against all awards is declining.



Interestingly, a major portion of STEM graduates are male. The below chart shows that the male dominance is increasing.



STEM graduates are predominantly white. The following shows a summary of Race/Ethnicity for Whites, Black, and Other Races/Ethnicities.



Credentials were awarded in AY2007-AY2011 in thirteen CIP Categories. 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 43.5 percent of the overall total.

<b>CIP</b>	<b>CIP Category Description</b>	<b>Percent</b>
15	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS	27.8%
26	BIOLOGICAL AND BIOMEDICAL SCIENCES	18.0%
11	COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES	16.4%
14	ENGINEERING	15.7%
40	PHYSICAL SCIENCES	8.2%
01	AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES	4.4%
27	MATHEMATICS AND STATISTICS	3.9%
52	BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES	3.6%
30	MULTI/INTERDISCIPLINARY STUDIES	0.8%
03	NATURAL RESOURCES AND CONSERVATION	0.8%
43	HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES	0.3%
13	EDUCATION	0.1%
09	COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS	0.0%

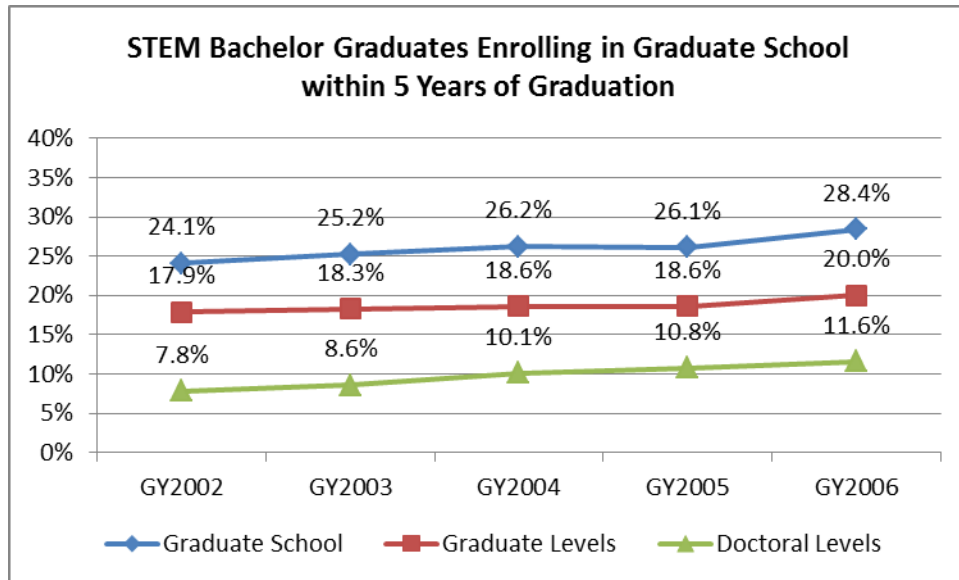
The most popular individual CIP Codes are as follows.

<b>CIP Code</b>	<b>CIP Code Description</b>	<b>Total</b>
26.0101	Biology/Biological Sciences, General	2,281
11.0101	Computer and Information Sciences, General	1,132
40.0501	Chemistry, General	682
15.0903	Petroleum Technology/Technician	591
15.1202	Computer Technology/Computer Systems Technology	577
14.1901	Mechanical Engineering	539
52.1301	Management Science	509
15.1501	Engineering/Industrial Management	485
15.1301	Drafting and Design Technology/Technician, General	477
27.0101	Mathematics, General	466

The most popular CIP Code and Degree Levels are as follows.

<b>Degree Level</b>	<b>CIP Code</b>	<b>CIP Code Description</b>	<b>Total</b>
Bachelor's Degree (05)	26.0101	Biology/Biological Sciences, General	2,144
Bachelor's Degree (05)	40.0501	Chemistry, General	575
Bachelor's Degree (05)	11.0101	Computer and Information Sciences, General	556
Master's Degree (07)	52.1301	Management Science	509
Bachelor's Degree (05)	14.1901	Mechanical Engineering	495
Master's Degree (07)	15.1501	Engineering/Industrial Management	485
Bachelor's Degree (05)	27.0101	Mathematics, General	360
Associate Degree (03)	11.0101	Computer and Information Sciences, General	313
Bachelor's Degree (05)	14.1001	Electrical and Electronics Engineering	302
Certificate of Proficiency (01)	15.0903	Petroleum Technology/Technician	264

The below chart illustrates the percentage of students earning a bachelor’s degree in a STEM field and going on to enroll in a graduate program within 5 years of graduation. This shows that approximately one of four STEM bachelor graduates attempt to further their education.



Note that the graduate program 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.

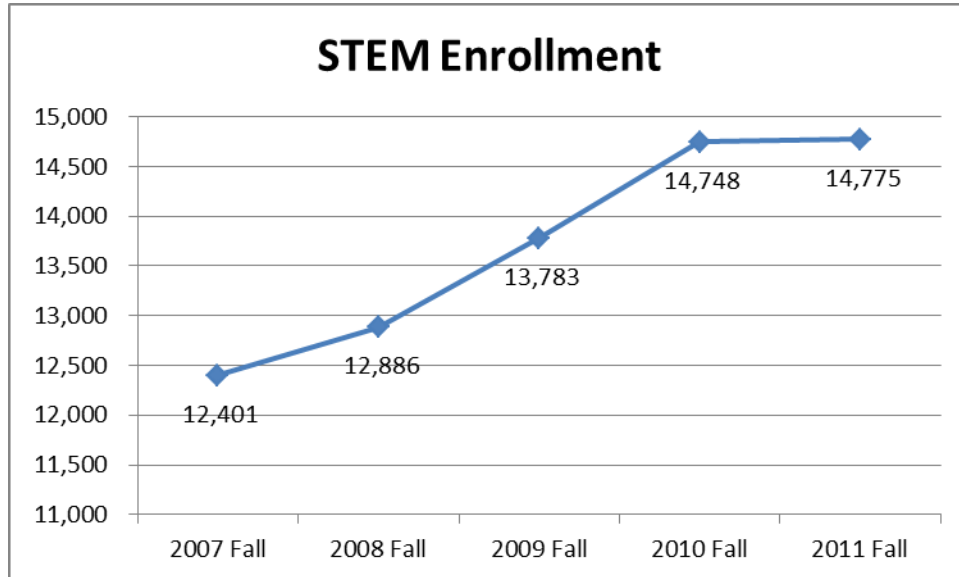
The following three programs are the only “Educational” STEM programs in Arkansas with graduates over the last five academic years.

STEM Education Graduates										
Institution	CIP Code	Degree Level	Award	Degree Name	AY2007	AY2008	AY2009	AY2010	AY2011	Total
UAF	13.0603	8	PMC	Educational Statistics & Research Methods	1		3	1	6	11
UAF	13.0603	17	PhD	Educational Statistics & Research Methods				1	1	2
UCA	27.0101	7	MA	Mathematics Education	4	9	10	7	14	44
Totals					5	9	13	9	21	57

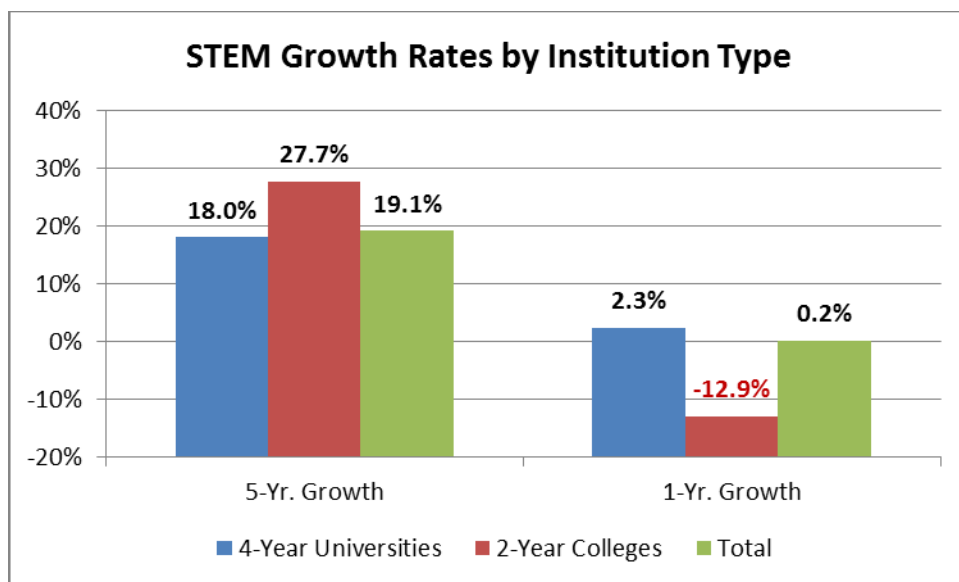


## Enrollment Trends

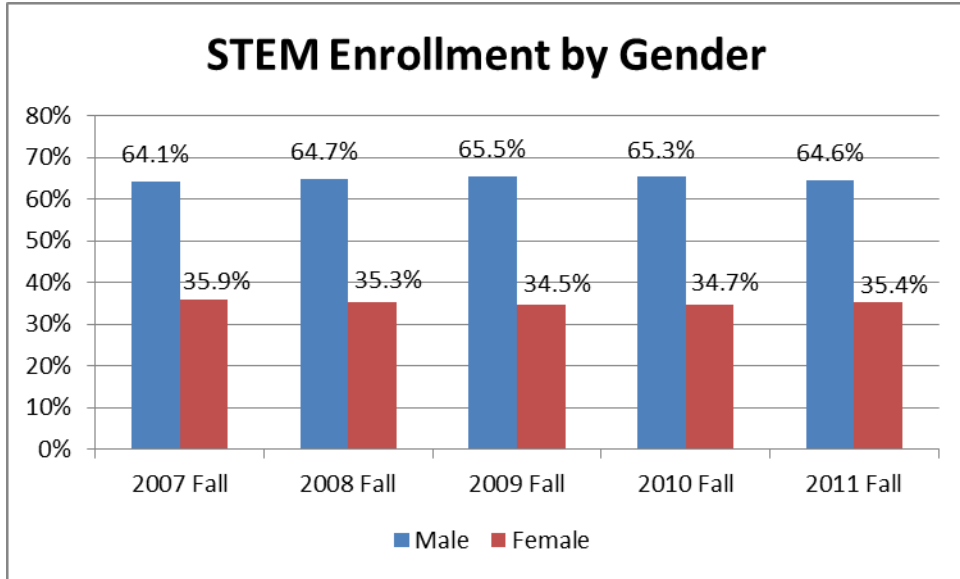
As the following chart illustrates, STEM enrollment has increased substantially. Over the entire 5-year period, STEM enrollment has increased by 19.1 percent. However, this growth has significantly slowed as growth over the last 1-year (fall-to-fall) was only 0.2 percent.



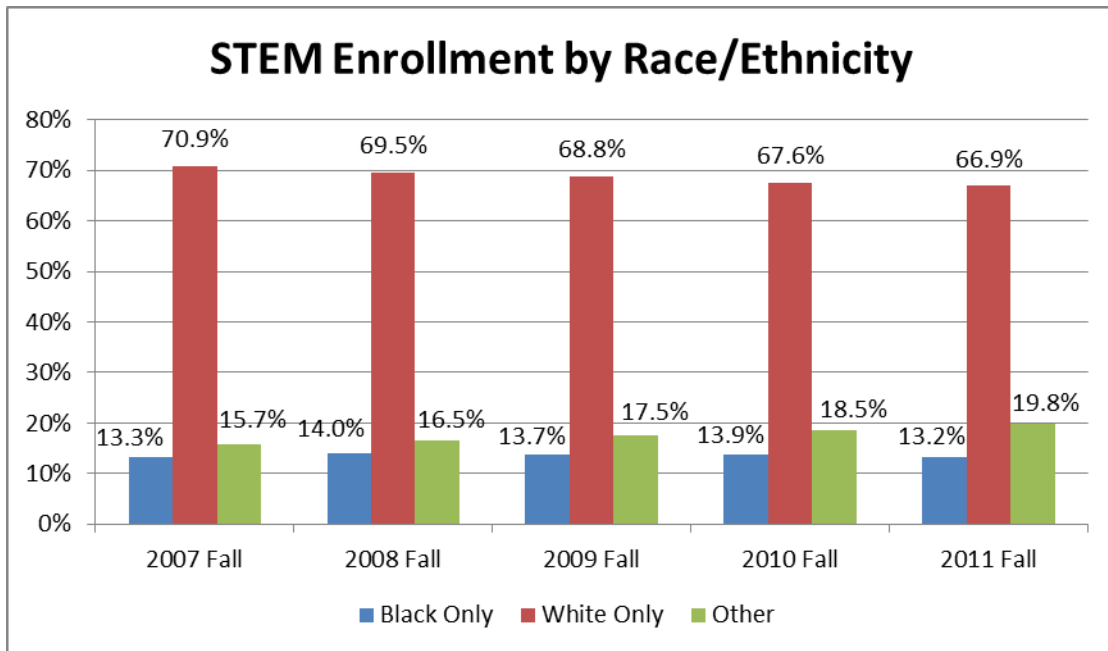
While both 4-Year Universities and 2-Year Colleges experienced substantial STEM growth over the last 5 years (growth rates of 18.0% and 27.7%, respectively), this has dramatically changed in the 2011 Fall term. While the 4-Year Universities STEM enrollment did increase in the 2011 Fall term, it was only by 2.3 percent. Whereas, STEM enrollment at the 2-Year Colleges decreased by 12.9 percent in the 2011 Fall term.



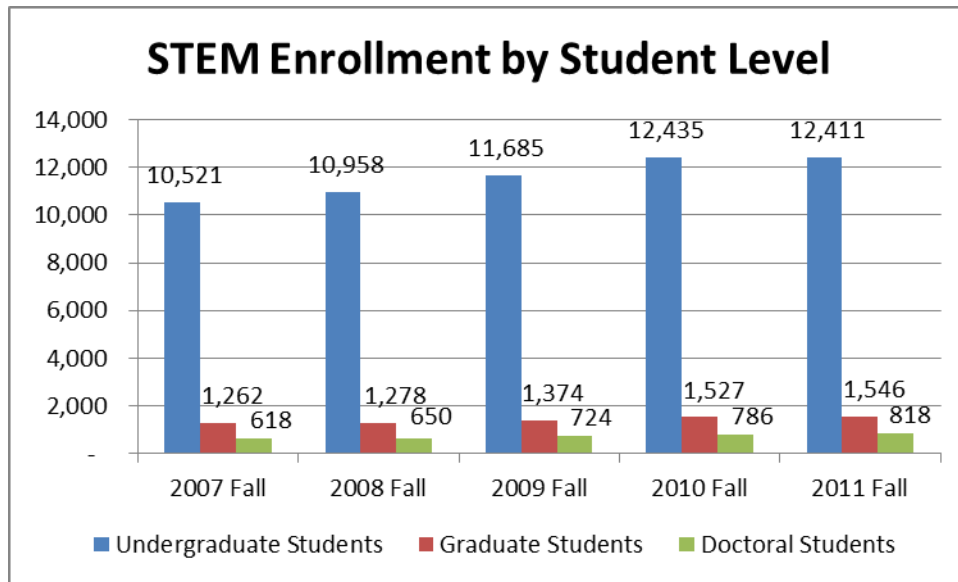
Males substantially outnumber females in the STEM fields.



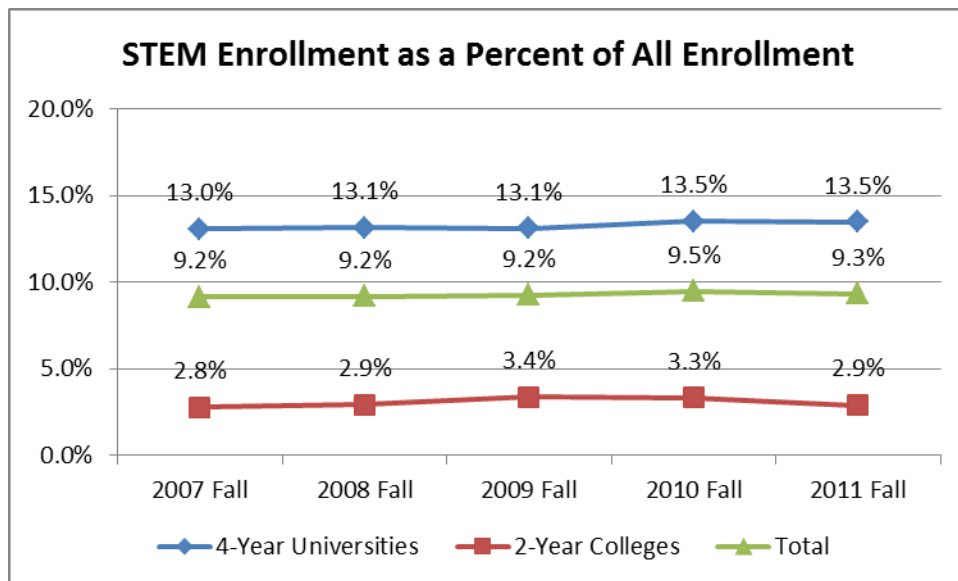
Whites substantially outnumber other races/ethnicities in the STEM fields.



The below graph shows that the STEM enrollment growth has occurred at all student levels – undergraduate, graduate and doctoral.



STEM enrollment as a percent of total enrollment has been relatively steady over the last five fall terms.



The below table shows that the most popular academic programs (based on CIP Code category) for STEM majors are:

1. 27.0 percent – Biological and Biomedical Sciences
2. 17.3 percent – Engineering
3. 16.5 percent – Computer And Information Sciences and Support Services
4. 14.4 percent – Engineering Technologies and Engineering-Related Fields
5. 12.6 percent – Physical Sciences

Note that there are two CIP Code Categories for Engineering. If these two categories are combined, it produces the most popular program area for STEM majors – 31.7 percent.

CIP Category	CIP Category Description	2011 Fall Enrollment	Percent
01	AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES	652	4.4%
03	NATURAL RESOURCES AND CONSERVATION	113	0.8%
09	COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS	13	0.1%
10	COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES	11	0.1%
11	COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES	2,444	16.5%
13	EDUCATION	11	0.1%
14	ENGINEERING	2,557	17.3%
15	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS	2,128	14.4%
26	BIOLOGICAL AND BIOMEDICAL SCIENCES	3,995	27.0%
27	MATHEMATICS AND STATISTICS	605	4.1%
30	MULTI/INTERDISCIPLINARY STUDIES	120	0.8%
40	PHYSICAL SCIENCES	1,868	12.6%
43	HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES	54	0.4%
45	SOCIAL SCIENCES	1	0.0%
52	BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES	203	1.4%
	TOTALS	14,775	100.0%

## Education Majors

The following table represents the education programs that are part of the official ICE STEM list of CIP Codes.

Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall
1	UAF	13.0603	9	PhD	Educational Statistics & Research Methods	7	12	12	14	11
1	UCA	27.0101	7	MA	Mathematics Education	15	18	16	17	*

\* Restricted Value (counts of less than 10 are not shown due to FERPA)

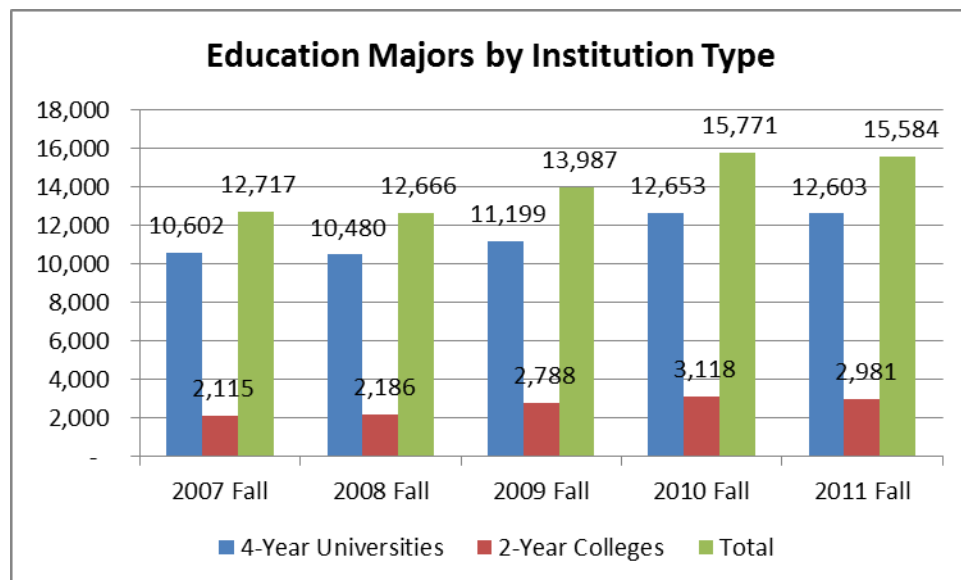
However, many education majors can be considered part of the overall STEM family while not being officially included in the ICE STEM list of CIP Codes. These are education majors in the fields of biology, chemistry, computers, mathematics, physics, and science. Including these students produces the following.

Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	ASUJ	13.1311	5	BSE	Mathematics Education	41	33	39	45	35	193
1	ASUJ	13.1311	7	MSE	Mathematics	0	0	*	*	*	14
1	ASUJ	13.1322	5	BSE	Biology	10	11	17	18	15	71
1	ASUJ	13.1322	7	MSE	Biology	0	*	*	*	0	4
1	ASUJ	13.1323	5	BSE	Chemistry	*	*	*	*	*	33
1	ASUJ	13.1323	7	MSE	Chemistry	0	0	0	*	*	3
1	ATU	13.1311	5	BS	Mathematics	42	35	40	44	51	212
1	ATU	13.1311	7	MEd	Mathematics	*	*	*	0	0	4
1	ATU	13.1316	5	BS	Physical Science & Earth Science	*	*	*	*	*	33
1	ATU	13.1322	5	BS	Life Science & Earth Science	*	*	16	14	15	59
1	SAUM	13.1311	5	BSE	Mathematics	*	*	*	0	0	5
1	UAF	13.0603	9	PhD	Educational Statistics & Research Methods	*	12	0	0	0	19
1	UAF	13.0603	17	PhD	Educational Statistics & Research Methods	0	0	12	14	11	37
1	UAF	13.0699	7	MS	Educational Statistics and	0	0	*	*	*	6

					Research Methods						
1	UAF	13.1311	7	MA	Secondary Mathematics	*	*	0	*	*	9
1	UAFS	13.1311	5	BS	Mathematics	31	39	41	48	43	202
1	UAFS	13.1322	5	BS	Biology	42	34	39	44	34	193
1	UAFS	13.1323	5	BS	Chemistry	*	*	*	*	*	16
1	UAPB	13.1311	5	BS	Mathematics Education	12	16	15	11	19	73
1	UAPB	13.1311	7	MEd	Mathematics Education	*	*	*	*	*	16
1	UAPB	13.1316	5	BS	Science Education	*	*	*	*	*	13
1	UAPB	13.1316	7	MEd	Science Education	*	*	*	11	*	35
1	UCA	13.1311	5	BSE	Mathematics	54	44	53	48	35	234
1	UCA	27.0101	7	MA	Mathematics Education	15	18	16	17	*	74
					4-Year Universities	289	284	328	347	313	1,558

\* Restricted Value (counts of less than 10 are not shown due to FERPA)

The following chart shows the number of students majoring in the education fields by institution type.



As the table below shows, most education majors are seeking a Bachelor's degree at one of the 4-Year Universities (50.0 percent) followed by those seeking a Master's degree (25.4 percent).

Inst. Type	Degree Level	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total	Percent
1	Technical Certificate	68	56	62	51	84	321	0.5%
1	Associate Degree	41	53	67	79	68	308	0.4%
1	Bachelor's Degree	7,114	6,762	7,040	7,401	7,035	35,352	50.0%
1	Post-Bachelor's Certificate	48	55	81	55	49	288	0.4%
1	Master's Degree	2,672	2,936	3,302	4,410	4,619	17,939	25.4%
1	Specialist/Post-Master's Certificate	270	232	233	231	309	1,275	1.8%
1	Doctoral Degree: Research/Scholarship	389	386	414	426	439	2,054	2.9%
2	Certificate of Proficiency	61	48	32	30	24	195	0.3%
2	Technical Certificate	72	56	75	66	57	326	0.5%
2	Associate Degree	1,982	2,082	2,681	3,022	2,900	12,667	17.9%
4-Year Universities		10,602	10,480	11,199	12,653	12,603	57,537	81.4%
2-Year Colleges		2,115	2,186	2,788	3,118	2,981	13,188	18.6%
Total		12,717	12,666	13,987	15,771	15,584	70,725	100.0%

The most popular education fields are as follows. This table is based on total students majoring in an education program for a 5-year period (the 2007 Fall term through the 2011 Fall term).

No.	CIP Code	CIP Code Description	Total	Percent
1	13.1210	Early Childhood Education and Teaching	13,949	19.7%
2	13.1206	Teacher Education, Multiple Levels	10,030	14.2%
3	13.1314	Physical Education Teaching and Coaching	5,444	7.7%
4	13.1203	Junior High/Intermediate/Middle School Education and Teaching	3,794	5.4%
5	13.1202	Elementary Education and Teaching	3,387	4.8%
6	13.1209	Kindergarten/Preschool Education and Teaching	3,130	4.4%
7	13.0301	Curriculum and Instruction	2,997	4.2%
8	13.0408	Elementary and Middle School Administration/Principalship	2,019	2.9%
9	13.1299	Teacher Education and Professional Development, Specific Levels and Methods, Other	1,891	2.7%
10	13.1101	Counselor Education/School Counseling and Guidance Services	1,674	2.4%

## Discussion

The good news:

- Overall, the number of total STEM graduates has increased 41.7% from AY2007 to AY2011.
- STEM graduates as measured by credentials awarded for associate level (including lower level certificates) credentials awarded are up by 97.2 percent from AY2007 to AY2011.
- STEM graduates as measured by credentials awarded for bachelor's degrees (including post-bachelor's certificates) are up by 20.8 percent from AY2007 to AY2011.
- STEM graduates as measured by credentials awarded for graduate credentials (masters and doctoral degrees, etc.) are up by 38.8 percent from AY2007 to AY2011.
- The number of awarded STEM credentials is up across the board.
- Overall STEM enrollment is up by 19.1 percent from the 2007 Fall term to the 2011 Fall term.

The bad news:

- As a percent of all statewide graduates, the percentage of STEM graduates has not kept pace with the growth in all credentials awarded – having gone from 10.0 percent in AY2007 to 9.3 percent in AY2011.
- While STEM enrollment has increased substantially over the last five fall terms, such growth almost ceased from the 2010 Fall term to the 2011 Fall term – only 0.2 percent growth.

## 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 (page 1). Aside from the small downtick in the number of STEM graduates for AY2007, this should represent a significant accomplishment for higher education officials and faculty – that efforts are working to improve the number of students obtaining STEM credentials from an output perspective (more graduates) and from an input perspective (more majors). In addition, increasing the number of graduates will increase the number of job seekers to fill the STEM jobs in 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;
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.

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. 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 STEM programs;
6. Invite non-profit organization 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, time on 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.

### **List of Attachments**

Attachment 1	STEM Credentials Awarded for AY2007 – 2011 by Institution and Degree Level
Attachment 2	STEM Credentials Awarded as Compared to All Graduates for AY2007 – 2011 by Institution
Attachment 3	STEM Graduates by Gender
Attachment 4	STEM Graduates by Race/Ethnicity
Attachment 5	STEM Credentials Awarded by Primary CIP Category
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Attachment 15	STEM CIP Codes



# STEM Credentials Awarded by Institution and Degree Level

### Certificates of Proficiency (01)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	UAFS	42	32	35	23	14	-66.7%
2	ANC						
2	ASUB		102	73	57	65	
2	ASUMH				13		-14.3%
2	ASUN				22	12	
2	BRTC						-100.0%
2	CCCUA						125.0%
2	CotO	11		16	72	21	90.9%
2	EACC						-33.3%
2	MSCC	10		26	20	12	20.0%
2	NAC				13		33.3%
2	NPCC						
2	NWACC		13	16	13	25	212.5%
2	PCCUA	15	15	41	28	26	73.3%
2	PTC						
2	RMCC						
2	SAUT		10			19	375.0%
2	SEAC						0.0%
2	UACCH						
2	UACCM	21	49	63	82	91	333.3%
Sub-Total		133	253	299	368	326	145.1%

### Technical Certificates (02)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	ASUJ	15					-100.0%
1	ATU						-62.5%
1	UAFS	17	16	27	13	15	-11.8%
1	UAM	13	14	13	21	29	123.1%
2	ANC						
2	ASUB		24	13		13	
2	ASUMH						
2	ASUN				10	21	
2	CotO				12		
2	EACC	12	62	31	42	40	233.3%
2	MSCC						
2	NAC				12		50.0%
2	NPCC						
2	NWACC						
2	PCCUA					17	88.9%
2	PTC				15		
2	RMCC						
2	SAUT		11	10			600.0%
2	SEAC	20	18	34	25	32	60.0%
2	UACCH						
2	UACCM	34	42	64	88	84	147.1%
Sub-Total		135	217	221	268	298	120.7%

## STEM Credentials Awarded by Institution and Degree Level

ATTACHMENT 1

### Associate Degrees (03)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	ASUJ						-100.0%
1	ATU	19	14	20	20	31	63.2%
1	SAUM						
1	UAFS	14	24	40	46	28	100.0%
1	UALR				10		-11.1%
1	UAM						33.3%
2	ANC					15	275.0%
2	ASUB	30	23	33	23	35	16.7%
2	ASUMH	18	14	14	11	11	-38.9%
2	ASUN						350.0%
2	CCCUA						
2	CotO	13			15		-69.2%
2	EACC						
2	MSCC				10	14	366.7%
2	NAC	31	10	27	26	20	-35.5%
2	NPCC						
2	NWACC	14	28	22	25	39	178.6%
2	OZC						-100.0%
2	PCCUA	16	12			15	-6.3%
2	PTC	12	23	11			-25.0%
2	RMCC						-37.5%
2	SACC						
2	SAUT	13	20	20	18	10	-23.1%
2	SEAC	21	13	19	16	19	-9.5%
2	UACCH					47	
2	UACCM	27	35	50	79	88	225.9%
Sub-Total		260	248	299	340	417	60.4%

### Advanced Certificates (04)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
2	SACC						

### Baccalaureate/Bachelor Degrees (05)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	ASUJ	149	165	184	210	219	47.0%
1	ATU	135	118	130	139	159	17.8%
1	HSU	34	44	33	45	47	38.2%
1	SAUM	27	46	35	28	42	55.6%
1	UAF	544	504	556	554	657	20.8%
1	UAFS	60	39	42	54	53	-11.7%
1	UALR	168	164	192	164	211	25.6%
1	UAM	26	33	24	35	23	-11.5%
1	UAPB	49	58	53	52	62	26.5%
1	UCA	139	150	117	142	131	-5.8%
Sub-Total		1,331	1,321	1,366	1,423	1,604	20.5%

### Post-Baccalaureate/Bachelor Degrees (06)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	UALR						
1	UAMS						
Sub-Total					10		

# STEM Credentials Awarded by Institution and Degree Level

### Masters Degrees (07)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	ASUJ	24	28	21	27	57	137.5%
1	ATU	28	32	29	21	32	14.3%
1	SAUM						
1	UAF	325	390	350	342	403	24.0%
1	UALR	23	43	34	32	48	108.7%
1	UAMS	13	15	17	13	12	-7.7%
1	UCA	16	20	26	27	28	75.0%
Sub-Total		429	530	480	464	584	36.1%

### Specialist, Post-Masters Certificates, etc. (08)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	UAF						500.0%

### Doctoral Degree: Research/Scholarship (09/17)

IT	Institution	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	ASUJ						
1	UAF	48	67	61	73	78	62.5%
1	UALR		13	10	15	11	37.5%
1	UAMS	14	21	22	14	14	0.0%
Sub-Total		70	101	93	102	104	48.6%

### SUMMARY

IT	Degree Level	AY2007	AY2008	AY2009	AY2010	AY2011	Growth
1	Certificates or Proficiency	42	32	35	23	14	-66.7%
1	Technical Certificates	53	36	41	35	47	-11.3%
1	Associate Degrees	47	52	73	87	73	55.3%
1	Advanced Certificates						
1	Bachelor Degrees	1,331	1,321	1,366	1,423	1,604	20.5%
1	Post-Bachelor Degrees				10		
1	Masters Degrees	429	530	480	464	584	36.1%
1	Specialist/Post-Masters						500.0%
1	Doctoral Degrees	70	101	93	102	104	
2	Certificates or Proficiency	91	221	264	345	312	242.9%
2	Technical Certificates	82	181	180	233	251	206.1%
2	Associate Degrees	213	196	226	253	344	61.5%
2	Advanced Certificates						
1	4-Year Universities	1,973	2,073	2,091	2,145	2,436	23.5%
2	2-Year Colleges	386	598	672	831	907	135.0%
Total		2,359	2,671	2,763	2,976	3,343	41.7%

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

### STEM Graduates as Compared to All Graduates (Credentials Awarded)

No.	Inst. Type	Institution	AY2007			AY2008			AY2009			AY2010			AY2011		
			Total Graduates	STEM Graduates	STEM Percent	Total Graduates	STEM Graduates	STEM Percent	Total Graduates	STEM Graduates	STEM Percent	Total Graduates	STEM Graduates	STEM Percent	Total Graduates	STEM Graduates	STEM Percent
1	1	ASUJ	2,145	190	8.9%	2,084	201	9.6%	2,174	205	9.4%	2,673	238	8.9%	3,554	277	7.8%
2	1	ATU	1,394	190	13.6%	1,357	164	12.1%	1,597	180	11.3%	1,667	181	10.9%	1,990	225	11.3%
3	1	HSU	627	34	5.4%	635	44	6.9%	635	33	5.2%	852	45	5.3%	699	47	6.7%
4	1	SAUM	481	27	5.6%	601	48	8.0%	528	39	7.4%	605	31	5.1%	581	48	8.3%
5	1	UAF	3,579	918	25.6%	3,586	961	26.8%	3,739	970	25.9%	3,940	970	24.6%	4,361	1,144	26.2%
6	1	UAFS	1,092	133	12.2%	995	111	11.2%	1,191	144	12.1%	1,104	136	12.3%	1,305	110	8.4%
7	1	UALR	1,877	208	11.1%	1,923	230	12.0%	2,084	243	11.7%	2,132	222	10.4%	2,266	279	12.3%
8	1	UAM	711	42	5.9%	808	50	6.2%	824	42	5.1%	987	65	6.6%	934	56	6.0%
9	1	UAMS	735	27	3.7%	833	36	4.3%	806	39	4.8%	833	36	4.3%	907	29	3.2%
10	1	UAPB	407	49	12.0%	386	58	15.0%	425	53	12.5%	409	52	12.7%	403	62	15.4%
11	1	UCA	1,860	155	8.3%	1,980	170	8.6%	2,189	143	6.5%	2,250	169	7.5%	3,992	159	4.0%
12	2	ANC	291		1.4%	403		1.0%	428		1.2%	432		1.4%	493	21	4.3%
13	2	ASUB	750	30	4.0%	1,007	149	14.8%	1,203	119	9.9%	1,165	85	7.3%	1,140	113	9.9%
14	2	ASUMH	374	25	6.7%	429	18	4.2%	445	21	4.7%	467	26	5.6%	579	18	3.1%
15	2	ASUN	970		0.2%	979		0.1%	840		1.1%	539	35	6.5%	571	42	7.4%
16	2	BRTC	419		0.2%	389		0.0%	529		0.0%	423		0.2%	428		0.0%
17	2	CCCUA	150		2.7%	189		3.7%	200		2.5%	254		2.0%	271		3.3%
18	2	CotO	315	24	7.6%	386		2.3%	505	22	4.4%	659	99	15.0%	644	30	4.7%
19	2	EACC	197	15	7.6%	249	63	25.3%	321	36	11.2%	358	49	13.7%	209	43	20.6%
20	2	MSCC	121	13	10.7%	99	12	12.1%	127	31	24.4%	188	30	16.0%	194	27	13.9%
21	2	NAC	382	43	11.3%	386	20	5.2%	353	42	11.9%	471	51	10.8%	490	37	7.6%
22	2	NPCC	448		0.0%	501		0.6%	570		0.2%	476		1.5%	630		1.1%
23	2	NWACC	403	22	5.5%	610	44	7.2%	646	44	6.8%	779	41	5.3%	924	69	7.5%
24	2	OZC	228		0.4%	206		0.0%	233		0.0%	316		0.0%	375		0.0%
25	2	PCCUA	312	40	12.8%	306	32	10.5%	398	54	13.6%	517	37	7.2%	481	58	12.1%
26	2	PTC	1,087	12	1.1%	1,262	30	2.4%	1,437	15	1.0%	3,033	24	0.8%	3,725	18	0.5%
27	2	RMCC	89		9.0%	91		2.2%	149		2.0%	168		1.2%	197		3.0%
28	2	SACC	311		0.0%	312		0.0%	327		0.6%	437		0.0%	444		0.7%
29	2	SAUT	543	18	3.3%	657	41	6.2%	783	30	3.8%	869	27	3.1%	752	36	4.8%
30	2	SEAC	425	42	9.9%	426	32	7.5%	759	53	7.0%	654	41	6.3%	595	52	8.7%
31	2	UACCB	254		0.0%	397		0.0%	422		0.0%	480		0.0%	571		0.0%
32	2	UACCH	226		0.0%	225		2.2%	482		0.6%	505	16	3.2%	534	55	10.3%
33	2	UACCM	340	82	24.1%	356	126	35.4%	500	177	35.4%	618	249	40.3%	787	263	33.4%
4-Year Universities			14,908	1,973	13.2%	15,188	2,073	13.6%	16,192	2,091	12.9%	17,452	2,145	12.3%	20,992	2,436	11.6%
2-Year Colleges			8,635	386	4.5%	9,865	598	6.1%	11,657	672	5.8%	13,808	831	6.0%	15,034	907	6.0%
Total			23,543	2,359	10.0%	25,053	2,671	10.7%	27,849	2,763	9.9%	31,260	2,976	9.5%	36,026	3,343	9.3%

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

## Unduplicated Counts of STEM Graduates by Gender

No.	Inst. Type	Institution	AY2007			AY2008			AY2009			AY2010			AY2011		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	1	ASUJ	127	61	188	131	69	200	108	70	178	131	68	199	154	95	249
2	1	ATU	133	43	176	117	33	150	120	45	165	115	47	162	160	41	201
3	1	HSU	22	12	34	19	25	44	19	14	33	20	25	45	28	19	47
4	1	SAUM	17	10	27	26	22	48	22	17	39	18	13	31	29	18	47
5	1	UAF	645	267	912	650	303	953	654	309	963	636	327	963	764	373	1,137
6	1	UAFS	74	36	110	59	35	94	71	33	104	88	26	114	62	25	87
7	1	UALR	130	73	203	155	70	225	156	79	235	159	62	221	202	71	273
8	1	UAM	28	13	41	22	28	50	24	16	40	49	12	61	45		52
9	1	UAMS		19	27	14	22	36	17	22	39	16	20	36	15	14	29
10	1	UAPB	21	28	49	24	34	58	29	24	53	25	27	52	27	35	62
11	1	UCA	75	80	155	90	80	170	71	72	143	102	67	169	85	74	159
12	2	ANC													13		18
13	2	ASUB	23		30	84	24	108	80	25	105	69	13	82	91	14	105
14	2	ASUMH	13	10	23			17	13		19	15		19	11		15
15	2	ASUN										27		32	29		37
16	2	BRTC															
17	2	CCCUA															
18	2	CotO	11		14							22		29			
19	2	EACC	10		11	62		63	35		36	43		48	43		43
20	2	MSCC			10				25		30	21		28	13		22
21	2	NAC	21	17	38	12		19	23	18	41	31	15	46	22		30
22	2	NPCC															
23	2	NWACC	10	12	22	21	15	36	28		35	29	11	40	46		54
24	2	OZC															
25	2	PCCUA	23		32	17		22	43		46	23		32	27		31
26	2	PTC			12	21		24	12		13	18		20	12		15
27	2	RMCC															
28	2	SACC															
29	2	SAUT	15		17	23		29	20		23	19		24	23	11	34
30	2	SEAC	16		24	15		18	18		26	13		19	20		26
31	2	UACCB															
32	2	UACCH													43		49
33	2	UACCM	46		52	67		76	86	10	96	112	29	141	117	30	147
4-Year Universities			1,280	642	1,922	1,307	721	2,028	1,291	701	1,992	1,359	694	2,053	1,571	772	2,343
2-Year Colleges			216	88	304	353	93	446	415	91	506	465	121	586	532	124	656
Total			1,496	730	2,226	1,660	814	2,474	1,706	792	2,498	1,824	815	2,639	2,103	896	2,999
Percentages			67.2%	32.8%	100.0%	67.1%	32.9%	100.0%	68.3%	31.7%	100.0%	69.1%	30.9%	100.0%	70.1%	29.9%	100.0%

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

# Unduplicated Counts of STEM Graduates by Race/Ethnicity

ATTACHMENT 4

AY2007										
No.	Inst. Type	Institution	Asian or Pacific Islander	Black	Hispanic	Amer. Indian/ Alaska Native	White	Non-Resident Alien	Unknown	Total
1	1	ASUJ		17			154			188
2	1	ATU					149	19		176
3	1	HSU					29			34
4	1	SAUM					20			27
5	1	UAF	26	55	21	10	655	129	16	912
6	1	UAFS					88			110
7	1	UALR	12	18			149	17		203
8	1	UAM					36			41
9	1	UAMS					16			27
10	1	UAPB		47						49
11	1	UCA		10			122			155
12	2	ANC								
13	2	ASUB					28			30
14	2	ASUMH					22			23
15	2	ASUN								
16	2	BRTC								
17	2	CCCUA								
18	2	CotO					10			14
19	2	EACC								11
20	2	MSCC								10
21	2	NAC					38			38
22	2	NPCC								
23	2	NWACC					20			22
24	2	OZC								
25	2	PCCUA					25			32
26	2	PTC								12
27	2	RMCC								
28	2	SACC								
29	2	SAUT					11			17
30	2	SEAC		11			13			24
31	2	UACCB								
32	2	UACCH								
33	2	UACCM					51			52
4-Year Universities			60	162	36	22	1,419	194	29	1,922
2-Year Colleges				42			255			304
Total			61	204	40	24	1,674	194	29	2,226
Percentages			2.7%	9.2%	1.8%	1.1%	75.2%	8.7%	1.3%	100.0%

## Unduplicated Counts of STEM Graduates by Race/Ethnicity

ATTACHMENT 4

AY2008										
No.	Inst. Type	Institution	Asian or Pacific Islander	Black	Hispanic	Amer. Indian/ Alaska Native	White	Non-Resident Alien	Unknown	Total
1	1	ASUJ		24			164			200
2	1	ATU					113	30		150
3	1	HSU					33			44
4	1	SAUM		12			25			48
5	1	UAF	38	54	19	13	670	140	19	953
6	1	UAFS					77			94
7	1	UALR	14	29			140	34		225
8	1	UAM					39			50
9	1	UAMS					16	14		36
10	1	UAPB		53						58
11	1	UCA		10			134			170
12	2	ANC								
13	2	ASUB					95			108
14	2	ASUMH					17			17
15	2	ASUN								
16	2	BRTC								
17	2	CCCUA								
18	2	CotO								
19	2	EACC		35			26			63
20	2	MSCC								
21	2	NAC					19			19
22	2	NPCC								
23	2	NWACC					31			36
24	2	OZC								
25	2	PCCUA					16			22
26	2	PTC					15			24
27	2	RMCC								
28	2	SACC								
29	2	SAUT					20			29
30	2	SEAC					13			18
31	2	UACCB								
32	2	UACCH								
33	2	UACCM					73			76
4-Year Universities			79	199	40	22	1,415	246	27	2,028
2-Year Colleges				77			351			446
Total			82	276	48	26	1,766	246	31	2,474
Percentages			3.3%	11.2%	1.9%	1.1%	71.4%	9.9%	1.3%	100.0%

## Unduplicated Counts of STEM Graduates by Race/Ethnicity

ATTACHMENT 4

AY2009										
No.	Inst. Type	Institution	Asian or Pacific Islander	Black	Hispanic	Amer. Indian/ Alaska Native	White	Non-Resident Alien	Unknown	Total
1	1	ASUJ		15			145			178
2	1	ATU					123	32		165
3	1	HSU					27			33
4	1	SAUM					25			39
5	1	UAF	40	54	24	17	675	130	23	963
6	1	UAFS	12				79			104
7	1	UALR	16	35			145	27		235
8	1	UAM					32			40
9	1	UAMS					23	12		39
10	1	UAPB		50						53
11	1	UCA		13			105			143
12	2	ANC								
13	2	ASUB					93			105
14	2	ASUMH					19			19
15	2	ASUN								
16	2	BRTC								
17	2	CCCUA								
18	2	CotO								
19	2	EACC		12			24			36
20	2	MSCC		21						30
21	2	NAC					39			41
22	2	NPCC								
23	2	NWACC					29			35
24	2	OZC								
25	2	PCCUA		18			28			46
26	2	PTC								13
27	2	RMCC								
28	2	SACC								
29	2	SAUT					17			23
30	2	SEAC		11			14			26
31	2	UACCB								
32	2	UACCH								
33	2	UACCM					88			96
4-Year Universities			86	186	46	35	1,379	230	30	1,992
2-Year Colleges				84	14		397			506
Total			89	270	60	41	1,776	230	32	2,498
Percentages			3.6%	10.8%	2.4%	1.6%	71.1%	9.2%	1.3%	100.0%



# Unduplicated Counts of STEM Graduates by Race/Ethnicity

ATTACHMENT 4

AY2010												
No.	Inst. Type	Institution	Asian Only	Black Only	Hispanic Any	Amer. Indian/ Alaska Native Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non-Resident Alien	Unknown	Total
1	1	ASUJ		17			155			11		199
2	1	ATU					126			25		162
3	1	HSU					37					45
4	1	SAUM					21					31
5	1	UAF	30	57	27	11	689			129	13	963
6	1	UAFS					97					114
7	1	UALR		26			132			43		221
8	1	UAM					51					61
9	1	UAMS					18					36
10	1	UAPB		49								52
11	1	UCA					124			10	14	169
12	2	ANC										
13	2	ASUB					74					82
14	2	ASUMH					18					19
15	2	ASUN					30					32
16	2	BRTC										
17	2	CCCUA										
18	2	CotO					20					29
19	2	EACC		17			22					48
20	2	MSCC		10			16					28
21	2	NAC					37					46
22	2	NPCC										
23	2	NWACC					33					40
24	2	OZC										
25	2	PCCUA					22					32
26	2	PTC										20
27	2	RMCC										
28	2	SACC										
29	2	SAUT					19					24
30	2	SEAC					13					19
31	2	UACCB										
32	2	UACCH										
33	2	UACCM					124		10			141
4-Year Universities			64	178	51	25	1,452		17	229	37	2,053
2-Year Colleges			12	62	20		457		21			586
Total			76	240	71	30	1,909		38	229	46	2,639
Percentages			2.9%	9.1%	2.7%	1.1%	72.3%	0.0%	1.4%	8.7%	1.7%	100.0%

# Unduplicated Counts of STEM Graduates by Race/Ethnicity

AY2010												
No.	Inst. Type	Institution	Asian Only	Black Only	Hispanic Any	Amer. Indian/ Alaska Native Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non-Resident Alien	Unknown	Total
1	1	ASUJ		22			175			39		249
2	1	ATU					154			33		201
3	1	HSU					39					47
4	1	SAUM					33					47
5	1	UAF	40	66	40	13	809		25	130	14	1,137
6	1	UAFS	12				65					87
7	1	UALR	12	21			179			48		273
8	1	UAM					47					52
9	1	UAMS					15					29
10	1	UAPB		59								62
11	1	UCA					121			11		159
12	2	ANC					14					18
13	2	ASUB					95					105
14	2	ASUMH					15					15
15	2	ASUN					31					37
16	2	BRTC										
17	2	CCCUA										
18	2	CotO										
19	2	EACC		14			24					43
20	2	MSCC		12								22
21	2	NAC					29					30
22	2	NPCC										
23	2	NWACC					44					54
24	2	OZC										
25	2	PCCUA					24					31
26	2	PTC										15
27	2	RMCC										
28	2	SACC										
29	2	SAUT					25					34
30	2	SEAC					20					26
31	2	UACCB										
32	2	UACCH					42					49
33	2	UACCM					123		11			147
4-Year Universities			89	196	61	17	1,639		40	273	26	2,343
2-Year Colleges				76	15		524		19		11	656
<b>Total</b>			<b>94</b>	<b>272</b>	<b>76</b>	<b>22</b>	<b>2,163</b>		<b>59</b>	<b>274</b>	<b>37</b>	<b>2,999</b>
<b>Percentages</b>			<b>3.1%</b>	<b>9.1%</b>	<b>2.5%</b>	<b>0.7%</b>	<b>72.1%</b>	<b>0.1%</b>	<b>2.0%</b>	<b>9.1%</b>	<b>1.2%</b>	<b>100.0%</b>

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

## STEM Graduates by Primary CIP Category

NOTE: This is a count of credentials awarded.

CIP Code	CIP Category Description	Credentials Awarded					Total	Percent
		AY2007	AY2008	AY2009	AY2010	AY2011		
<b>01 Total</b>	AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES	125	123	120	132	120	620	4.4%
<b>03 Total</b>	NATURAL RESOURCES AND CONSERVATION	15	24	20	15	34	108	0.8%
<b>09 Total</b>	COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS							0.0%
<b>11 Total</b>	COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES	468	432	476	443	501	2,320	16.4%
<b>13 Total</b>	EDUCATION						13	0.1%
<b>14 Total</b>	ENGINEERING	404	389	439	468	516	2,216	15.7%
<b>15 Total</b>	ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS	418	639	699	1,000	1,169	3,925	27.8%
<b>26 Total</b>	BIOLOGICAL AND BIOMEDICAL SCIENCES	457	509	492	526	562	2,546	18.0%
<b>27 Total</b>	MATHEMATICS AND STATISTICS	124	105	108	111	103	551	3.9%
<b>30 Total</b>	MULTI/INTERDISCIPLINARY STUDIES		23	11	41	26	109	0.8%
<b>40 Total</b>	PHYSICAL SCIENCES	204	232	197	231	289	1,153	8.2%
<b>43 Total</b>	HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES			10		12	37	0.3%
<b>52 Total</b>	BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES	134	187	188			509	3.6%
<b>Grand Total</b>		2,359	2,671	2,763	2,976	3,343	14,112	100.0%

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

## STEM Graduates by Detailed CIP Code

NOTE: This is a count of credentials awarded.

CIP Code	CIP Category Description	Credentials Awarded					Total
		AY2007	AY2008	AY2009	AY2010	AY2011	
<b>01.0901 Total</b>	Animal Sciences, General	44	41	42	53	48	228
<b>01.0907 Total</b>	Poultry Science	16	23	23	15	28	105
<b>01.1001 Total</b>	Food Science	17	20	18	16	20	91
<b>01.1002 Total</b>	Food Technology and Processing						
<b>01.1101 Total</b>	Plant Sciences, General	18	12	16	13	11	70
<b>01.1102 Total</b>	Agronomy and Crop Science	20	22	16	30	10	98
<b>01.1103 Total</b>	Horticultural Science						25
<b>01.1105 Total</b>	Plant Protection and Integrated Pest Management						
<b>03.0104 Total</b>	Environmental Science	15	23	20	15	34	107
<b>03.0509 Total</b>	Wood Science and Wood Products/Pulp and Paper Technology						
<b>09.0702 Total</b>	Digital Communication and Media/Multimedia						
<b>11.0101 Total</b>	Computer and Information Sciences, General	214	194	194	247	283	1,132
<b>11.0102 Total</b>	Artificial Intelligence						
<b>11.0103 Total</b>	Information Technology	26	42	46	30	54	198
<b>11.0201 Total</b>	Computer Programming/Programmer, General				24	13	51
<b>11.0202 Total</b>	Computer Programming, Specific Applications						
<b>11.0203 Total</b>	Computer Programming, Vendor/Product Certification						29
<b>11.0301 Total</b>	Data Processing and Data Processing Technology/Technician	59	52	63	22	13	209
<b>11.0401 Total</b>	Information Science/Studies	38	19	29	27	30	143
<b>11.0501 Total</b>	Computer Systems Analysis/Analyst	29	28	28			93
<b>11.0701 Total</b>	Computer Science	11	20	28	11	11	81
<b>11.0801 Total</b>	Web Page, Digital/Multimedia and Information Resources Design						
<b>11.0901 Total</b>	Computer Systems Networking and Telecommunications	73	56	59	41	61	290
<b>11.1001 Total</b>	Network and System Administration/Administrator						
<b>11.1002 Total</b>	System, Networking, and LAN/WAN Management/Manager					12	33
<b>11.1003 Total</b>	Computer and Information Systems Security/Information Assurance				17		32
<b>11.1004 Total</b>	Web/Multimedia Management and Webmaster						
<b>13.0603 Total</b>	Educational Statistics and Research Methods						13
<b>14.0101 Total</b>	Engineering, General	46	48	52	61	42	249
<b>14.0301 Total</b>	Agricultural Engineering	22	22	30	25	24	123
<b>14.0701 Total</b>	Chemical Engineering	30	36	35	35	47	183
<b>14.0801 Total</b>	Civil Engineering, General	43	47	58	72	63	283
<b>14.0804 Total</b>	Transportation and Highway Engineering						
<b>14.0901 Total</b>	Computer Engineering, General	32	22	25	16	24	119
<b>14.1001 Total</b>	Electrical and Electronics Engineering	70	71	80	74	89	384
<b>14.1201 Total</b>	Engineering Physics/Applied Physics						
<b>14.1401 Total</b>	Environmental/Environmental Health Engineering						13
<b>14.1901 Total</b>	Mechanical Engineering	95	82	96	132	134	539
<b>14.2701 Total</b>	Systems Engineering			19	20	30	82
<b>14.3501 Total</b>	Industrial Engineering	55	49	40	31	59	234
<b>14.3701 Total</b>	Operations Research						
<b>15.0000 Total</b>	Engineering Technology, General						
<b>15.0303 Total</b>	Electrical, Electronic and Communications Engineering Technology/Technician	31	69	41	46	93	280
<b>15.0401 Total</b>	Biomedical Technology/Technician						15
<b>15.0403 Total</b>	Electromechanical Technology/Electromechanical Engineering Technology				17	23	54
<b>15.0404 Total</b>	Instrumentation Technology/Technician						
<b>15.0506 Total</b>	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician						
<b>15.0507 Total</b>	Environmental Engineering Technology/Environmental Technology		16	19	13		64

## STEM Graduates by Detailed CIP Code

ATTACHMENT 6

NOTE: This is a count of credentials awarded.

CIP Code	CIP Category Description	Credentials Awarded					Total
		AY2007	AY2008	AY2009	AY2010	AY2011	
<b>15.0508 Total</b>	Hazardous Materials Management and Waste Technology/Technician						
<b>15.0611 Total</b>	Metallurgical Technology/Technician						15
<b>15.0612 Total</b>	Industrial Technology/Technician	42	38	40	26	42	188
<b>15.0613 Total</b>	Manufacturing Engineering Technology/Technician			50	88	97	242
<b>15.0702 Total</b>	Quality Control Technology/Technician						
<b>15.0801 Total</b>	Aeronautical/Aerospace Engineering Technology/Technician					16	16
<b>15.0805 Total</b>	Mechanical Engineering/Mechanical Technology/Technician	14				16	53
<b>15.0903 Total</b>	Petroleum Technology/Technician	21	73	131	183	183	591
<b>15.1001 Total</b>	Construction Engineering Technology/Technician	35	42	48	33	56	214
<b>15.1102 Total</b>	Surveying Technology/Surveying	47	37	40	60	34	218
<b>15.1201 Total</b>	Computer Engineering Technology/Technician	10					35
<b>15.1202 Total</b>	Computer Technology/Computer Systems Technology	54	162	124	105	132	577
<b>15.1301 Total</b>	Drafting and Design Technology/Technician, General	117	83	73	96	108	477
<b>15.1302 Total</b>	CAD/CADD Drafting and/or Design Technology/Technician	10	77	92	73	59	311
<b>15.1401 Total</b>	Nuclear Engineering Technology/Technician	11	11	13	18	22	75
<b>15.1501 Total</b>	Engineering/Industrial Management				221	264	485
<b>26.0101 Total</b>	Biology/Biological Sciences, General	393	455	434	488	511	2,281
<b>26.0202 Total</b>	Biochemistry			10			19
<b>26.0305 Total</b>	Plant Pathology/Phytopathology						26
<b>26.0403 Total</b>	Anatomy						16
<b>26.0406 Total</b>	Cell/Cellular and Molecular Biology		12			22	55
<b>26.0503 Total</b>	Medical Microbiology and Bacteriology						19
<b>26.0702 Total</b>	Entomology						27
<b>26.0707 Total</b>	Animal Physiology			10			32
<b>26.0806 Total</b>	Human/Medical Genetics						15
<b>26.0910 Total</b>	Pathology/Experimental Pathology						
<b>26.1001 Total</b>	Pharmacology						12
<b>26.1004 Total</b>	Toxicology						11
<b>26.1103 Total</b>	Bioinformatics						19
<b>26.1201 Total</b>	Biotechnology						
<b>26.1307 Total</b>	Conservation Biology	12					12
<b>27.0101 Total</b>	Mathematics, General	112	88	91	90	85	466
<b>27.0301 Total</b>	Applied Mathematics, General		12	12	13	10	52
<b>27.0501 Total</b>	Statistics, General						33
<b>30.0101 Total</b>	Biological and Physical Sciences		20	10	35	23	92
<b>30.1901 Total</b>	Nutrition Sciences						17
<b>40.0101 Total</b>	Physical Sciences	12	17	16	21	10	76
<b>40.0203 Total</b>	Planetary Astronomy and Science						
<b>40.0501 Total</b>	Chemistry, General	109	127	124	136	186	682
<b>40.0601 Total</b>	Geology/Earth Science, General	35	40	17	30	35	157
<b>40.0801 Total</b>	Physics, General	48	47	39	39	47	220
<b>40.1002 Total</b>	Materials Chemistry						
<b>43.0106 Total</b>	Forensic Science and Technology			10		12	37
<b>52.1301 Total</b>	Management Science	134	187	188			509
<b>Grand Total</b>		2,359	2,671	2,763	2,976	3,343	14,112

NOTE: Counts of less than 10 are now shown due to FERPA.

## STEM Bachelor Graduates in Graduate School

ATTACHMENT 7

**Graduating Year = 2002 and Graduate Experience from 2003-2007**

No.	Inst. Type	Institution	2002 Graduates	2003-2007 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	214	52	24.3%	46	21.5%		3.3%
2	1	ATU	130	32	24.6%	26	20.0%		6.2%
3	1	HSU	49		16.3%		8.2%		12.2%
4	1	SAUM	46	10	21.7%		15.2%		6.5%
5	1	UAF	559	140	25.0%	107	19.1%	46	8.2%
6	1	UAFS			0.0%		0.0%		0.0%
7	1	UALR	113	22	19.5%	14	12.4%	11	9.7%
8	1	UAM	15		13.3%		13.3%		0.0%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	53		15.1%		11.3%		3.8%
11	1	UCA	117	38	32.5%	20	17.1%	18	15.4%
<b>Totals</b>			1,296	312	24.1%	232	17.9%	101	7.8%

**Graduating Year = 2003 and Graduate Experience from 2004-2008**

No.	Inst. Type	Institution	2003 Graduates	2004-2008 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	280	59	21.1%	51	18.2%	14	5.0%
2	1	ATU	136	19	14.0%	15	11.0%		3.7%
3	1	HSU	39		12.8%		2.6%		10.3%
4	1	SAUM	43		14.0%		11.6%		4.7%
5	1	UAF	617	166	26.9%	117	19.0%	63	10.2%
6	1	UAFS			0.0%		0.0%		0.0%
7	1	UALR	119	39	32.8%	26	21.8%	14	11.8%
8	1	UAM	13		30.8%		23.1%		7.7%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	52		17.3%		17.3%		0.0%
11	1	UCA	117	52	44.4%	33	28.2%	20	17.1%
<b>Totals</b>			1,422	359	25.2%	260	18.3%	123	8.6%

**Graduating Year = 2004 and Graduate Experience from 2005-2009**

No.	Inst. Type	Institution	2004 Graduates	2005-2009 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	213	51	23.9%	39	18.3%	18	8.5%
2	1	ATU	141	25	17.7%	16	11.3%		6.4%
3	1	HSU	46		19.6%		10.9%		10.9%
4	1	SAUM	54	10	18.5%	10	18.5%		0.0%
5	1	UAF	550	165	30.0%	120	21.8%	61	11.1%
6	1	UAFS	19		21.1%		21.1%		0.0%
7	1	UALR	149	40	26.8%	31	20.8%	17	11.4%
8	1	UAM	23		17.4%		8.7%		8.7%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	43		16.3%		11.6%		4.7%
11	1	UCA	118	40	33.9%	20	16.9%	23	19.5%
<b>Totals</b>			1,356	355	26.2%	252	18.6%	137	10.1%

**Graduating Year = 2005 and Graduate Experience from 2006-2010**

No.	Inst. Type	Institution	2005 Graduates	2006-2010 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	249	52	20.9%	44	17.7%	13	5.2%
2	1	ATU	132	30	22.7%	17	12.9%	14	10.6%
3	1	HSU	37	13	35.1%	10	27.0%		21.6%
4	1	SAUM	46	12	26.1%		19.6%		6.5%
5	1	UAF	535	143	26.7%	107	20.0%	57	10.7%
6	1	UAFS	23		17.4%		13.0%		4.3%
7	1	UALR	151	44	29.1%	31	20.5%	20	13.2%
8	1	UAM	27	10	37.0%		25.9%		11.1%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	57		10.5%		5.3%		5.3%
11	1	UCA	109	42	38.5%	23	21.1%	26	23.9%
<b>Totals</b>			1,366	356	26.1%	254	18.6%	148	10.8%

## STEM Bachelor Graduates in Graduate School

ATTACHMENT 7

### Graduating Year = 2006 and Graduate Experience from 2007-2011

No.	Inst. Type	Institution	2006 Graduates	2007-2011 Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	212	71	33.5%	58	27.4%	23	10.8%
2	1	ATU	143	31	21.7%	26	18.2%		4.9%
3	1	HSU	33	12	36.4%		24.2%		15.2%
4	1	SAUM	36		16.7%		8.3%		8.3%
5	1	UAF	490	145	29.6%	95	19.4%	63	12.9%
6	1	UAFS	31		12.9%		12.9%		6.5%
7	1	UALR	144	42	29.2%	32	22.2%	15	10.4%
8	1	UAM	31	10	32.3%		19.4%		19.4%
9	1	UAMS			0.0%		0.0%		0.0%
10	1	UAPB	59		8.5%		6.8%		1.7%
11	1	UCA	103	38	36.9%	21	20.4%	24	23.3%
<b>Totals</b>			1,282	364	28.4%	257	20.0%	149	11.6%

### 5-YEAR TOTALS

No.	Inst. Type	Institution	Graduates	Graduate School		Graduate Levels		Doctoral Levels	
				Number	Percent	Number	Percent	Number	Percent
1	1	ASUJ	1,168	285	24.4%	238	20.4%	75	6.4%
2	1	ATU	682	137	20.1%	100	14.7%	43	6.3%
3	1	HSU	204	47	23.0%	28	13.7%	28	13.7%
4	1	SAUM	225	44	19.6%	34	15.1%	11	4.9%
5	1	UAF	2,751	759	27.6%	546	19.8%	290	10.5%
6	1	UAFS	79	12	15.2%	11	13.9%		3.8%
7	1	UALR	676	187	27.7%	134	19.8%	77	11.4%
8	1	UAM	109	30	27.5%	20	18.3%	12	11.0%
9	1	UAMS							
10	1	UAPB	264	35	13.3%	27	10.2%		3.0%
11	1	UCA	564	210	37.2%	117	20.7%	111	19.7%
<b>Totals</b>			6,722	1,746	26.0%	1,255	18.7%	658	9.8%

### 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 Enrollment

### Students with Majors in STEM Academic Programs

No.	Inst. Type	Institution	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	5-Yr. Growth	1-Yr. Growth
1	1	ASUJ	1,282	1,421	1,426	1,491	1,530	19.3%	2.6%
2	1	ATU	1,179	1,198	1,253	1,309	1,276	8.2%	-2.5%
3	1	HSU	414	458	454	507	482	16.4%	-4.9%
4	1	SAUM	179	177	204	249	238	33.0%	-4.4%
5	1	UAF	4,017	3,952	4,301	4,750	5,046	25.6%	6.2%
6	1	UAFS	690	743	765	825	838	21.4%	1.6%
7	1	UALR	1,230	1,410	1,376	1,503	1,478	20.2%	-1.7%
8	1	UAM	307	280	270	247	273	-11.1%	10.5%
9	1	UAMS	146	126	146	156	169	15.8%	8.3%
10	1	UAPB	510	583	631	674	669	31.2%	-0.7%
11	1	UCA	1,038	947	958	972	977	-5.9%	0.5%
12	2	ANC	26	30	78	48	48	84.6%	0.0%
13	2	ASUB	158	168	151	143	139	-12.0%	-2.8%
14	2	ASUMH	58	56	66	83	73	25.9%	-12.0%
15	2	ASUN		18	44	66	56	833.3%	-15.2%
16	2	BRTC							
17	2	CCCUA						33.3%	0.0%
18	2	CotO	43	52	48	37	37	-14.0%	0.0%
19	2	EACC	63	70	82	94	42	-33.3%	-55.3%
20	2	MSCC	97	106	178	153	138	42.3%	-9.8%
21	2	NAC	147	178	174	140	161	9.5%	15.0%
22	2	NPCC				12	12	100.0%	0.0%
23	2	NWACC	220	220	297	368	381	73.2%	3.5%
24	2	OZC							
25	2	PCCUA	51	41	41	33	40	-21.6%	21.2%
26	2	PTC	141	121	127	130	129	-8.5%	-0.8%
27	2	RMCC	19	27	45	36	39	105.3%	8.3%
28	2	SACC						33.3%	33.3%
29	2	SAUT	64	67	80	88	72	12.5%	-18.2%
30	2	SEAC	104	129	111	137	81	-22.1%	-40.9%
31	2	UACCB							
32	2	UACCH	18	16	131	169	79	338.9%	-53.3%
33	2	UACCM	179	274	328	317	259	44.7%	-18.3%
4-Year Universities			10,992	11,295	11,784	12,683	12,976	18.0%	2.3%
2-Year Colleges			1,409	1,591	1,999	2,065	1,799	27.7%	-12.9%
Total			12,401	12,886	13,783	14,748	14,775	19.1%	0.2%
Percent Change				3.9%	7.0%	7.0%	0.2%		

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



## STEM Enrollment by Gender

### Students with Majors in STEM Academic Programs

No.	Inst. Type	Institution	2007 Fall			2008 Fall			2009 Fall			2010 Fall			2011 Fall			Totals		
			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	1	ASUJ	789	493	1,282	880	541	1,421	877	549	1,426	889	602	1,491	929	601	1,530	4,364	2,786	7,150
2	1	ATU	884	295	1,179	879	319	1,198	910	343	1,253	961	348	1,309	917	359	1,276	4,551	1,664	6,215
3	1	HSU	214	200	414	233	225	458	230	224	454	253	254	507	230	252	482	1,160	1,155	2,315
4	1	SAUM	102	77	179	100	77	177	113	91	204	138	111	249	117	121	238	570	477	1,047
5	1	UAF	2,642	1,375	4,017	2,579	1,373	3,952	2,831	1,470	4,301	3,141	1,609	4,750	3,349	1,697	5,046	14,542	7,524	22,066
6	1	UAFS	451	239	690	501	242	743	518	247	765	547	278	825	529	309	838	2,546	1,315	3,861
7	1	UALR	835	395	1,230	948	462	1,410	933	443	1,376	1,015	488	1,503	976	502	1,478	4,707	2,290	6,997
8	1	UAM	132	175	307	132	148	280	130	140	270	134	113	247	144	129	273	672	705	1,377
9	1	UAMS	69	77	146	55	71	126	62	84	146	69	87	156	68	101	169	323	420	743
10	1	UAPB	272	238	510	320	263	583	330	301	631	344	330	674	328	341	669	1,594	1,473	3,067
11	1	UCA	547	491	1,038	507	440	947	551	407	958	557	415	972	560	417	977	2,722	2,170	4,892
12	2	ANC	16	10	26	22		30	63	15	78	41		48	43		48	185	45	230
13	2	ASUB	125	33	158	136	32	168	126	25	151	124	19	143	118	21	139	629	130	759
14	2	ASUMH	28	30	58	34	22	56	40	26	66	53	30	83	54	19	73	209	127	336
15	2	ASUN				17		18	35		44	48	18	66	45	11	56	149	41	190
16	2	BRTC																		
17	2	CCCUA																23	12	35
18	2	CotO	29	14	43	42	10	52	38	10	48	29		37	27	10	37	165	52	217
19	2	EACC	61		63	69		70	74		82	79	15	94	34		42	317	34	351
20	2	MSCC	66	31	97	80	26	106	129	49	178	109	44	153	102	36	138	486	186	672
21	2	NAC	86	61	147	118	60	178	119	55	174	103	37	140	113	48	161	539	261	800
22	2	NPCC												12			12	24	16	40
23	2	NWACC	155	65	220	161	59	220	229	68	297	271	97	368	290	91	381	1,106	380	1,486
24	2	OZC																		
25	2	PCCUA	37	14	51	30	11	41	33		41	28		33	35		40	163	43	206
26	2	PTC	114	27	141	106	15	121	107	20	127	105	25	130	102	27	129	534	114	648
27	2	RMCC	14		19	10	17	27	25	20	45	25	11	36	24	15	39	98	68	166
28	2	SACC																16		21
29	2	SAUT	40	24	64	48	19	67	54	26	80	57	31	88	48	24	72	247	124	371
30	2	SEAC	63	41	104	86	43	129	78	33	111	98	39	137	60	21	81	385	177	562
31	2	UACCB																		
32	2	UACCH	11		18	10		16	116	15	131	144	25	169	68	11	79	349	64	413
33	2	UACCM	157	22	179	228	46	274	265	63	328	256	61	317	212	47	259	1,118	239	1,357
4-Year Universities			6,937	4,055	10,992	7,134	4,161	11,295	7,485	4,299	11,784	8,048	4,635	12,683	8,147	4,829	12,976	37,751	21,979	59,730
2-Year Colleges			1,015	394	1,409	1,208	383	1,591	1,540	459	1,999	1,587	478	2,065	1,394	405	1,799	6,744	2,119	8,863
Total			7,952	4,449	12,401	8,342	4,544	12,886	9,025	4,758	13,783	9,635	5,113	14,748	9,541	5,234	14,775	44,495	24,098	68,593
Percent			64.1%	35.9%	100.0%	64.7%	35.3%	100.0%	65.5%	34.5%	100.0%	65.3%	34.7%	100.0%	64.6%	35.4%	100.0%	64.9%	35.1%	100.0%

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

# STEM Enrollment by Race/Ethnicity

			2007 Fall							
No.	Inst. Type	Institution	Asian or Pacific Islander	Black	Hispanic	Amer. Indian or Alaskan	White	Non-Resident Alien	Unknown	Total
1	1	ASUJ	10	186	20		999	36	27	1,282
2	1	ATU	18	45	30	23	965	98		1,179
3	1	HSU		73	11		308	13		414
4	1	SAUM		40			97	33		179
5	1	UAF	150	198	107	78	2,903	496	85	4,017
6	1	UAFS	52	21	21	36	558			690
7	1	UALR	59	193	28		814	113	15	1,230
8	1	UAM		68			227			307
9	1	UAMS	10				74	52		146
10	1	UAPB		489			11			510
11	1	UCA	34	94	22	14	759	48	67	1,038
12	2	ANC					19			26
13	2	ASUB		10			136			158
14	2	ASUMH					56			58
15	2	ASUN								
16	2	BRTC								
17	2	CCCUA								
18	2	CotO					34			43
19	2	EACC		23			34			63
20	2	MSCC		46			51			97
21	2	NAC					144			147
22	2	NPCC								
23	2	NWACC	10		34		165			220
24	2	OZC								
25	2	PCCUA		20			31			51
26	2	PTC		49			86			141
27	2	RMCC					19			19
28	2	SACC								
29	2	SAUT		22			41			64
30	2	SEAC		39			63			104
31	2	UACCB								
32	2	UACCH					14			18
33	2	UACCM					164			179
4-Year Universities			347	1,415	248	162	7,715	900	201	10,992
2-Year Colleges			14	238	57	13	1,076			1,409
Total			361	1,653	305	175	8,791	902	210	12,401
Percent			2.9%	13.3%	2.5%	1.4%	70.9%	7.3%	1.7%	100.0%

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

# STEM Enrollment by Race/Ethnicity

ATTACHMENT 10

			2008 Fall							
No.	Inst. Type	Institution	Asian or Pacific Islander	Black	Hispanic	Amer. Indian or Alaskan	White	Non-Resident Alien	Unknown	Total
1	1	ASUJ	10	210	18		985	119	73	1,421
2	1	ATU	25	53	30		993	88		1,198
3	1	HSU		70	17		337	19		458
4	1	SAUM		34			99	31		177
5	1	UAF	150	175	107	67	2,880	508	65	3,952
6	1	UAFS	73	22	31	32	584			743
7	1	UALR	61	235	43	12	906	136	17	1,410
8	1	UAM		53			215			280
9	1	UAMS					67	43		126
10	1	UAPB		559			10	10		583
11	1	UCA	41	102	21	15	688	42	38	947
12	2	ANC					21			30
13	2	ASUB		12			146			168
14	2	ASUMH					54			56
15	2	ASUN					17			18
16	2	BRTC								
17	2	CCCUA								
18	2	CotO					43			52
19	2	EACC		30			31			70
20	2	MSCC		53			51			106
21	2	NAC					164			178
22	2	NPCC								
23	2	NWACC	10		31		165			220
24	2	OZC								
25	2	PCCUA		18			23			41
26	2	PTC		51			67			121
27	2	RMCC					24			27
28	2	SACC								
29	2	SAUT		25			41			67
30	2	SEAC		64			62			129
31	2	UACCB								
32	2	UACCH					14			16
33	2	UACCM		11			248			274
4-Year Universities			380	1,520	285	148	7,764	998	200	11,295
2-Year Colleges			20	290	65	18	1,186		11	1,591
Total			400	1,810	350	166	8,950	999	211	12,886
Percent			3.1%	14.0%	2.7%	1.3%	69.5%	7.8%	1.6%	100.0%

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

# STEM Enrollment by Race/Ethnicity

ATTACHMENT 10

2009 Fall												
No.	Inst. Type	Institution	Asian Only	Black Only	Hispanic Any	Amer. Indian or Alaskan Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non-Resident Alien	Unknown	Total
1	1	ASUJ	13	182	16		1,026		24	125	34	1,426
2	1	ATU	18	46	47	14	1,030			93		1,253
3	1	HSU		57	14		336		20	13	12	454
4	1	SAUM		39			132			24		204
5	1	UAF	166	205	135	60	3,088		59	544	42	4,301
6	1	UAFS	62	22	43	23	565		47			765
7	1	UALR	52	222	41	11	863		14	162	11	1,376
8	1	UAM		49			208					270
9	1	UAMS					85			41		146
10	1	UAPB		598			16			11		631
11	1	UCA	46	98	24		703			45	33	958
12	2	ANC		10			64					78
13	2	ASUB		10			130					151
14	2	ASUMH					48				13	66
15	2	ASUN		12			31					44
16	2	BRTC										
17	2	CCCUA										
18	2	CotO					38					48
19	2	EACC		42			29					82
20	2	MSCC		81			86					178
21	2	NAC					156					174
22	2	NPCC										
23	2	NWACC	11		31		239					297
24	2	OZC										
25	2	PCCUA		12			27					41
26	2	PTC		56			62					127
27	2	RMCC					41					45
28	2	SACC										
29	2	SAUT		34			44					80
30	2	SEAC		57			49					111
31	2	UACCB										
32	2	UACCH		18			98					131
33	2	UACCM		15	11		278		17			328
4-Year Universities			370	1,527	335	126	8,052		171	1,062	135	11,784
2-Year Colleges			23	364	83	20	1,429		37		40	1,999
Total			393	1,891	418	146	9,481		208	1,065	175	13,783
Percent			2.9%	13.7%	3.0%	1.1%	68.8%	0.0%	1.5%	7.7%	1.3%	100.0%

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

# STEM Enrollment by Race/Ethnicity

ATTACHMENT 10

2010 Fall												
No.	Inst. Type	Institution	Asian Only	Black Only	Hispanic Any	Amer. Indian or Alaskan Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non-Resident Alien	Unknown	Total
1	1	ASUJ	24	182	26	13	1,030			162	52	1,491
2	1	ATU	28	65	45	15	1,047			100		1,309
3	1	HSU		83	23		366		18			507
4	1	SAUM		37			174			22		249
5	1	UAF	187	241	157	62	3,407		110	549	35	4,750
6	1	UAFS	66	27	48	22	609		46			825
7	1	UALR	48	222	59	11	908		28	209	18	1,503
8	1	UAM		59			173					247
9	1	UAMS	13	14			87			37		156
10	1	UAPB		638			17			11		674
11	1	UCA	45	97	24		705			52	34	972
12	2	ANC		12			33					48
13	2	ASUB					126					143
14	2	ASUMH					73					83
15	2	ASUN					34				27	66
16	2	BRTC										
17	2	CCCUA										
18	2	CotO					30					37
19	2	EACC		36			41					94
20	2	MSCC		78			68					153
21	2	NAC					128					140
22	2	NPCC					10					12
23	2	NWACC	13		32		289			10	11	368
24	2	OZC										
25	2	PCCUA		10			21					33
26	2	PTC		59			61					130
27	2	RMCC					32					36
28	2	SACC										
29	2	SAUT		37			48					88
30	2	SEAC		73			60					137
31	2	UACCB										
32	2	UACCH		29			116				19	169
33	2	UACCM		21	13		270		12			317
4-Year Universities			428	1,665	402	134	8,523		226	1,156	144	12,683
2-Year Colleges			26	381	82	11	1,445		37	14	69	2,065
Total			454	2,046	484	145	9,968		263	1,170	213	14,748
Percent			3.1%	13.9%	3.3%	1.0%	67.6%	0.0%	1.8%	7.9%	1.4%	100.0%

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

# STEM Enrollment by Race/Ethnicity

2011 Fall												
No.	Inst. Type	Institution	Asian Only	Black Only	Hispanic Any	Amer. Indian or Alaskan Only	White Only	Hawaiian or Pacific Islander Only	Two or More Races	Non-Resident Alien	Unknown	Total
1	1	ASUJ	21	175	27		1,050			195	55	1,530
2	1	ATU	27	55	46	12	1,028		16	92		1,276
3	1	HSU		81	21		347		22			482
4	1	SAUM		31	11		165			18		238
5	1	UAF	211	258	193	71	3,579		127	577	27	5,046
6	1	UAFS	68	23	60	29	598		46	14		838
7	1	UALR	50	211	68		845		46	213	39	1,478
8	1	UAM		60	11		192					273
9	1	UAMS		16			97			46		169
10	1	UAPB		624			18			12		669
11	1	UCA	50	96	26		701		18	45	35	977
12	2	ANC		10			35					48
13	2	ASUB					120					139
14	2	ASUMH					71					73
15	2	ASUN					50					56
16	2	BRTC										
17	2	CCCUA										
18	2	CotO					28					37
19	2	EACC		10			24					42
20	2	MSCC		82			48					138
21	2	NAC					140					161
22	2	NPCC										12
23	2	NWACC	20	14	43		272			15	10	381
24	2	OZC										
25	2	PCCUA		10			29					40
26	2	PTC		61			61					129
27	2	RMCC					34					39
28	2	SACC										
29	2	SAUT		34			35					72
30	2	SEAC		39			35					81
31	2	UACCB										
32	2	UACCH		16			53					79
33	2	UACCM		23	10		215		10			259
4-Year Universities			451	1,630	466	137	8,620		284	1,220	164	12,976
2-Year Colleges			25	319	85	17	1,266		35	30	17	1,799
Total			476	1,949	551	154	9,886		319	1,250	181	14,775
Percent			3.2%	13.2%	3.7%	1.0%	66.9%	0.1%	2.2%	8.5%	1.2%	100.0%

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

## STEM Enrollment as a Percent of All Enrollment

No.	Inst. Type	Institution	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	1	ASUJ	11.5%	12.4%	11.7%	11.1%	11.0%	11.5%
2	1	ATU	15.8%	16.0%	14.2%	13.3%	12.2%	14.1%
3	1	HSU	11.5%	12.5%	12.7%	13.7%	12.8%	12.6%
4	1	SAUM	5.7%	5.7%	6.3%	7.4%	7.0%	6.4%
5	1	UAF	21.5%	20.6%	21.7%	22.2%	21.8%	21.6%
6	1	UAFS	10.4%	11.0%	10.4%	10.7%	11.0%	10.7%
7	1	UALR	10.1%	11.8%	10.5%	11.4%	11.3%	11.0%
8	1	UAM	9.6%	8.5%	7.8%	6.8%	7.0%	7.9%
9	1	UAMS	5.8%	4.8%	5.3%	5.5%	6.0%	5.5%
10	1	UAPB	15.9%	16.5%	16.6%	19.7%	21.0%	17.9%
11	1	UCA	8.2%	7.3%	8.1%	8.5%	8.8%	8.2%
12	2	ANC	1.4%	1.6%	4.1%	2.4%	2.4%	2.4%
13	2	ASUB	3.7%	3.8%	3.4%	3.1%	3.0%	3.4%
14	2	ASUMH	4.9%	4.3%	4.4%	5.2%	5.0%	4.8%
15	2	ASUN	0.6%	1.1%	2.2%	3.2%	2.9%	2.2%
16	2	BRTC	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
17	2	CCCUA	0.5%	0.5%	0.4%	0.5%	0.6%	0.5%
18	2	CotO	2.8%	3.3%	3.0%	2.4%	2.6%	2.8%
19	2	EACC	4.1%	4.8%	5.4%	6.2%	3.2%	4.8%
20	2	MSCC	5.9%	5.9%	8.1%	6.5%	6.4%	6.6%
21	2	NAC	7.1%	8.2%	7.2%	5.8%	7.0%	7.0%
22	2	NPCC	0.2%	0.1%	0.1%	0.3%	0.3%	0.2%
23	2	NWACC	3.4%	3.0%	3.7%	4.4%	4.5%	3.9%
24	2	OZC	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25	2	PCCUA	2.2%	1.7%	1.8%	1.5%	1.8%	1.8%
26	2	PTC	1.6%	1.3%	1.2%	1.2%	1.1%	1.3%
27	2	RMCC	1.9%	2.7%	4.1%	3.2%	3.5%	3.1%
28	2	SACC	0.2%	0.4%	0.3%	0.2%	0.2%	0.3%
29	2	SAUT	3.0%	3.7%	4.0%	4.8%	3.4%	3.7%
30	2	SEAC	4.9%	6.4%	5.6%	6.3%	3.7%	5.4%
31	2	UACCB	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
32	2	UACCH	1.4%	1.3%	8.9%	10.9%	5.7%	5.9%
33	2	UACCM	9.9%	14.0%	13.5%	12.9%	11.3%	12.4%
4-Year Universities			13.0%	13.1%	13.1%	13.5%	13.5%	13.3%
2-Year Colleges			2.8%	2.9%	3.4%	3.3%	2.9%	3.1%
Total			9.2%	9.2%	9.2%	9.5%	9.3%	9.3%

## STEM Enrollment by Student Level

No.	Inst. Type	Institution	2007 Fall				2008 Fall				2009 Fall			
			Under-graduate Students	Graduate Students	Doctoral Students	Total	Under-graduate Students	Graduate Students	Doctoral Students	Total	Under-graduate Students	Graduate Students	Doctoral Students	Total
1	1	ASUJ	1,180	91	11	1,282	1,277	132	12	1,421	1,265	144	17	1,426
2	1	ATU	1,091	88		1,179	1,115	83		1,198	1,170	83		1,253
3	1	HSU	412			414	453			458	450			454
4	1	SAUM	169	10		179	168			177	197			204
5	1	UAF	2,851	746	420	4,017	2,766	737	449	3,952	3,029	803	469	4,301
6	1	UAFS	677	13		690	732	11		743	752	13		765
7	1	UALR	996	145	89	1,230	1,142	167	101	1,410	1,072	166	138	1,376
8	1	UAM	299			307	275			280	265			270
9	1	UAMS		48	98	146		38	88	126		46	100	146
10	1	UAPB	510			510	583			583	631			631
11	1	UCA	933	105		1,038	867	80		947	874	84		958
12	2	ANC	26			26	30			30	78			78
13	2	ASUB	158			158	168			168	151			151
14	2	ASUMH	58			58	56			56	66			66
15	2	ASUN					18			18	43			44
16	2	BRTC												
17	2	CCCUA												
18	2	CotO	43			43	52			52	48			48
19	2	EACC	62			63	69			70	78			82
20	2	MSCC	97			97	101			106	170			178
21	2	NAC	147			147	177			178	172			174
22	2	NPCC												
23	2	NWACC	220			220	220			220	297			297
24	2	OZC												
25	2	PCCUA	51			51	41			41	41			41
26	2	PTC	138			141	118			121	127			127
27	2	RMCC	19			19	27			27	45			45
28	2	SACC												
29	2	SAUT	63			64	66			67	80			80
30	2	SEAC	104			104	129			129	111			111
31	2	UACCB												
32	2	UACCH	18			18	16			16	128			131
33	2	UACCM	178			179	274			274	327			328
4-Year Universities			9,118	1,256	618	10,992	9,378	1,267	650	11,295	9,705	1,355	724	11,784
2-Year Colleges			1,403			1,409	1,580	11		1,591	1,980	19		1,999
Total			10,521	1,262	618	12,401	10,958	1,278	650	12,886	11,685	1,374	724	13,783
Percent			84.8%	10.2%	5.0%	100.0%	85.0%	9.9%	5.0%	100.0%	84.8%	10.0%	5.3%	100.0%

NOTE: (1) Graduate students reported for 2-Year Colleges are students already holding a bachelor's degree but seeking a credential from a 2-Year College. (2) Counts of less than 10 are now shown due to FERPA.



# STEM Enrollment by Student Level

No.	Inst. Type	Institution	2010 Fall				2011 Fall				5-Year Growth				1-Year Growth			
			Under-graduate Students	Graduate Students	Doctoral Students	Total	Under-graduate Students	Graduate Students	Doctoral Students	Total	Under-graduate Students	Graduate Students	Doctoral Students	Total	Under-graduate Students	Graduate Students	Doctoral Students	Total
1	1	ASUJ	1,329	143	19	1,491	1,345	170	15	1,530	14.0%	86.8%	36.4%	19.3%	1.2%	18.9%	-21.1%	2.6%
2	1	ATU	1,214	95		1,309	1,190	86		1,276	9.1%	-2.3%		8.2%	-2.0%	-9.5%		-2.5%
3	1	HSU	503			507	478			482	16.0%	100.0%		16.4%	-5.0%	0.0%		-4.9%
4	1	SAUM	241			249	231			238	36.7%	-30.0%		33.0%	-4.1%	-12.5%		-4.4%
5	1	UAF	3,337	909	504	4,750	3,579	939	528	5,046	25.5%	25.9%	25.7%	25.6%	7.3%	3.3%	4.8%	6.2%
6	1	UAFS	807	18		825	821	17		838	21.3%	30.8%		21.4%	1.7%	-5.6%		1.6%
7	1	UALR	1,168	180	155	1,503	1,163	153	162	1,478	16.8%	5.5%	82.0%	20.2%	-0.4%	-15.0%	4.5%	-1.7%
8	1	UAM	247			247	270			273	-9.7%	-62.5%		-11.1%	9.3%			10.5%
9	1	UAMS		48	108	156		56	113	169		16.7%	15.3%	15.8%		16.7%	4.6%	8.3%
10	1	UAPB	672			674	669			669	31.2%			31.2%	-0.4%	-100.0%		-0.7%
11	1	UCA	879	93		972	889	88		977	-4.7%	-16.2%		-5.9%	1.1%	-5.4%		0.5%
12	2	ANC	48			48	48			48	84.6%			84.6%	0.0%			0.0%
13	2	ASUB	143			143	137			139	-13.3%			-12.0%	-4.2%			-2.8%
14	2	ASUMH	83			83	73			73	25.9%			25.9%	-12.0%			-12.0%
15	2	ASUN	66			66	55			56	816.7%			833.3%	-16.7%			-15.2%
16	2	BRTC																
17	2	CCCUA									33.3%			33.3%	0.0%			0.0%
18	2	CotO	37			37	37			37	-14.0%			-14.0%	0.0%			0.0%
19	2	EACC	93			94	41			42	-33.9%	0.0%		-33.3%	-55.9%	0.0%		-55.3%
20	2	MSCC	147			153	137			138	41.2%			42.3%	-6.8%	-83.3%		-9.8%
21	2	NAC	137			140	156			161	6.1%			9.5%	13.9%	66.7%		15.0%
22	2	NPCC	12			12	12			12	100.0%			100.0%	0.0%			0.0%
23	2	NWACC	368			368	381			381	73.2%			73.2%	3.5%			3.5%
24	2	OZC																
25	2	PCCUA	33			33	40			40	-21.6%			-21.6%	21.2%			21.2%
26	2	PTC	129			130	127			129	-8.0%	-33.3%		-8.5%	-1.6%	100.0%		-0.8%
27	2	RMCC	36			36	39			39	105.3%			105.3%	8.3%			8.3%
28	2	SACC									33.3%			33.3%	33.3%			33.3%
29	2	SAUT	87			88	72			72	14.3%	-100.0%		12.5%	-17.2%	-100.0%		-18.2%
30	2	SEAC	137			137	81			81	-22.1%			-22.1%	-40.9%			-40.9%
31	2	UACCB																
32	2	UACCH	167			169	79			79	338.9%			338.9%	-52.7%	-100.0%		-53.3%
33	2	UACCM	304	13		317	248	11		259	39.3%	1000.0%		44.7%	-18.4%	-15.4%		-18.3%
4-Year Universities			10,397	1,500	786	12,683	10,635	1,523	818	12,976	16.6%	21.3%	32.4%	18.0%	2.3%	1.5%	4.1%	2.3%
2-Year Colleges			2,038	27		2,065	1,776	23		1,799	26.6%	283.3%		27.7%	-12.9%	-14.8%		-12.9%
Total			12,435	1,527	786	14,748	12,411	1,546	818	14,775	18.0%	22.5%	32.4%	19.1%	-0.2%	1.2%	4.1%	0.2%
Percent			84.3%	10.4%	5.3%	100.0%	84.0%	10.5%	5.5%	100.0%								

NOTE: (1) Graduate students reported for 2-Year Colleges are students already holding a bachelor's degree but seeking a credential from a 2-Year College. (2) Counts of less than 10 are now shown due to FERPA.

## Education Majors by CIP Code

ATTACHMENT 13

No.	CIP Code	CIP Code Description	2007 Fall Education Majors	2008 Fall Education Majors	2009 Fall Education Majors	2010 Fall Education Majors	2011 Fall Education Majors	Total	Percent
1	13.0101	Education, General	47	32	26	33	71	209	0.3%
2	13.0301	Curriculum and Instruction	239	260	572	954	972	2,997	4.2%
3	13.0401	Educational Leadership and Administration, General	335	300	305	327	306	1,573	2.2%
4	13.0404	Educational, Instructional, and Curriculum Supervision		22	19	19	14	80	0.1%
5	13.0406	Higher Education/Higher Education Administration	167	155	159	155	165	801	1.1%
6	13.0408	Elementary and Middle School Administration/Principalship	181	185	149	657	847	2,019	2.9%
7	13.0411	Superintendency and Educational System Administration					14	42	0.1%
8	13.0499	Educational Administration and Supervision, Other		50	42	33	30	155	0.2%
9	13.0501	Educational/Instructional Technology	144	163	170	181	188	846	1.2%
10	13.0603	Educational Statistics and Research Methods		12	12	14	11	56	0.1%
11	13.0699	Educational Assessment, Evaluation, and Research, Other							0.0%
12	13.0901	Social and Philosophical Foundations of Education				11	15	32	0.0%
13	13.1001	Special Education and Teaching, General	248	256	251	361	490	1,606	2.3%
14	13.1004	Education/Teaching of the Gifted and Talented	64	84	84	65	86	383	0.5%
15	13.1013	Education/Teaching of Individuals with Autism						15	0.0%
16	13.1015	Education/Teaching of Individuals in Early Childhood Special Education Programs	28	25	21	13	13	100	0.1%
17	13.1101	Counselor Education/School Counseling and Guidance Services	328	323	351	336	336	1,674	2.4%
18	13.1102	College Student Counseling and Personnel Services	113	135	149	179	219	795	1.1%
19	13.1199	Student Counseling and Personnel Services, Other	55	52	61	47	48	263	0.4%
20	13.1201	Adult and Continuing Education and Teaching	239	215	230	256	239	1,179	1.7%
21	13.1202	Elementary Education and Teaching	637	627	646	711	766	3,387	4.8%
22	13.1203	Junior High/Intermediate/Middle School Education and Teaching	672	696	779	868	779	3,794	5.4%
23	13.1205	Secondary Education and Teaching	236	261	279	338	242	1,356	1.9%
24	13.1206	Teacher Education, Multiple Levels	1,535	1,634	2,089	2,420	2,352	10,030	14.2%
25	13.1209	Kindergarten/Preschool Education and Teaching	677	646	635	666	506	3,130	4.4%
26	13.1210	Early Childhood Education and Teaching	2,728	2,697	2,907	2,889	2,728	13,949	19.7%
27	13.1299	Teacher Education and Professional Development, Specific Levels and Methods, Other	289	356	389	396	461	1,891	2.7%
28	13.1301	Agricultural Teacher Education	160	155	153	76	70	614	0.9%
29	13.1302	Art Teacher Education	98	93	91	97	80	459	0.6%
30	13.1303	Business Teacher Education	119	104	94	108	84	509	0.7%
31	13.1305	English/Language Arts Teacher Education	258	254	255	277	290	1,334	1.9%
32	13.1306	Foreign Language Teacher Education			14	31	24	77	0.1%
33	13.1307	Health Teacher Education						22	0.0%
34	13.1308	Family and Consumer Sciences/Home Economics Teacher Education	40	44	33	28	27	172	0.2%
35	13.1311	Mathematics Teacher Education	186	175	198	205	198	962	1.4%
36	13.1312	Music Teacher Education	303	290	292	338	360	1,583	2.2%
37	13.1314	Physical Education Teaching and Coaching	1,153	1,067	1,039	1,130	1,055	5,444	7.7%
38	13.1315	Reading Teacher Education	184	174	168	132	97	755	1.1%
39	13.1316	Science Teacher Education/General Science Teacher Education	45	34	36	34	37	186	0.3%
40	13.1317	Social Science Teacher Education	95	105	127	154	138	619	0.9%

## Education Majors by CIP Code

No.	CIP Code	CIP Code Description	2007 Fall Education Majors	2008 Fall Education Majors	2009 Fall Education Majors	2010 Fall Education Majors	2011 Fall Education Majors	Total	Percent
41	13.1318	Social Studies Teacher Education	202	188	174	170	142	876	1.2%
42	13.1319	Technical Teacher Education		34	40	55	55	184	0.3%
43	13.1320	Trade and Industrial Teacher Education	188					193	0.3%
44	13.1322	Biology Teacher Education	58	55	73	77	64	327	0.5%
45	13.1323	Chemistry Teacher Education		10	12	11	12	52	0.1%
46	13.1325	French Language Teacher Education							0.0%
47	13.1328	History Teacher Education	133	133	162	169	160	757	1.1%
48	13.1330	Spanish Language Teacher Education	38	42	39	42	37	198	0.3%
49	13.1331	Speech Teacher Education	21	18	14	11	11	75	0.1%
50	13.1401	Teaching English as a Second or Foreign Language/ESL Language Instructor	60	55	38	39	33	225	0.3%
51	13.1501	Teacher Assistant/Aide						11	0.0%
52	13.9999	Education, Other	33	33	32	32	59	189	0.3%
53	19.0706	Child Development	24	33	41	57	55	210	0.3%
54	19.0708	Child Care and Support Services Management	103	87	196	216	265	867	1.2%
55	19.0709	Child Care Provider/Assistant	21	36	33	32	20	142	0.2%
56	27.0101	Mathematics, General	15	18	16	17		74	0.1%
57	31.0501	Health and Physical Education/Fitness, General	93	115	137	138	161	644	0.9%
58	51.0000	HEALTH PROFESSIONS AND RELATED PROGRAMS						21	0.0%
59	51.0904	Emergency Medical Technology/Technician (EMT Paramedic)	22	28	18	16	15	99	0.1%
60	51.1504	Community Health Services/Liaison/Counseling	79	97	114	137	127	554	0.8%
61	51.9999	Health Professions and Related Clinical Sciences, Other							0.0%
		Totals	12,732	12,684	14,001	15,793	15,603	70,813	100.0%

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

## Education Majors - Detailed Information

ATTACHMENT 14

Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	ASUJ	13.0301	7	MSE	Curriculum & Instruction	24	26	15	257	288	610
1	ASUJ	13.0301	7	MSE	Educational Theory & Practice	115	119	446	594	571	1,845
1	ASUJ	13.0401	9	EdD	Educational Leadership	64	68				132
1	ASUJ	13.0401	17	EdD	Educational Leadership			77	79	77	233
1	ASUJ	13.0404	7	MS	Vocational - Technical Administration		12				34
1	ASUJ	13.0408	7	MSE	Educ Leadership			74	586		660
1	ASUJ	13.0408	7	MSE	Educ Leadership - Elementary Principalsip		98				98
1	ASUJ	13.0408	7	MSE	Educational Leadership					718	718
1	ASUJ	13.0408	8	EdS	Educational Leadership			29	46	108	183
1	ASUJ	13.0408	8	EdS	Educational Leadership - Superintendency	42	38				80
1	ASUJ	13.1001	5	BSE	Special Education						17
1	ASUJ	13.1001	5	BSE	Special Education - Mild Disabilities (K-12 or Elementary)	13	17				30
1	ASUJ	13.1001	7	MSE	Special Education			74	194	351	619
1	ASUJ	13.1001	7	MSE	Special Education - Instructional Specialist, 4 - 12	32	28				60
1	ASUJ	13.1001	7	MSE	Special Education - Instructional Specialist, P - 4	41	52				93
1	ASUJ	13.1004	7	MSE	Special Education				16	43	68
1	ASUJ	13.1004	7	MSE	Special Education - Gifted, Talented, & Creative	20	27				47
1	ASUJ	13.1101	7	MSE	School Counseling	39	32	33	26	29	159
1	ASUJ	13.1101	8	EdS	Counselor Education - Psycho-Educational Diagnosis	53	57				110
1	ASUJ	13.1101	8	EdS	Psychology and Counseling			64	52	56	172
1	ASUJ	13.1102	7	MS	College Student Personnel Services	14	20	21	22	22	99
1	ASUJ	13.1202	7	MSE	Elementary Education	11					15
1	ASUJ	13.1202	7	MSE	Middle-Level Education						12
1	ASUJ	13.1203	5	BSE	Middle Level Education	190	222	264	280	266	1,222
1	ASUJ	13.1210	5	BSE	Early Childhood Education			593	555	546	1,694
1	ASUJ	13.1210	5	BSE	Early Childhood/Elementary Education	566	535				1,101
1	ASUJ	13.1210	7	MSE	Early Childhood Education		11	10			43
1	ASUJ	13.1299	7	MAT	Teaching				16	59	75
1	ASUJ	13.1299	8	SCCT	Community College Teaching	26	20	36	24	38	144
1	ASUJ	13.1301	5	BSA	Agricultural Education	29	18	25	17	14	103
1	ASUJ	13.1301	7	MSA	Agricultural Education						
1	ASUJ	13.1302	5	BSE	Art Education	23	22	13	15		78
1	ASUJ	13.1303	5	BSE	Business Education	22	15				37
1	ASUJ	13.1303	5	BSE	Business Technology			15	19	15	49
1	ASUJ	13.1303	7	MSE	Business Education	14	24				38
1	ASUJ	13.1303	7	MSE	Business Technology			24	29	15	68
1	ASUJ	13.1305	5	BSE	English	48	54	54	67	64	287
1	ASUJ	13.1305	7	MSE	English						
1	ASUJ	13.1306	5	BSE	World Languages and Cultures						12
1	ASUJ	13.1307	5	BSE	Health Education						22
1	ASUJ	13.1311	5	BSE	Mathematics Education	41	33	39	45	35	193
1	ASUJ	13.1311	7	MSE	Mathematics						14
1	ASUJ	13.1312	5	BME	Instrumental Music	44	45	50	53	50	242
1	ASUJ	13.1312	5	BME	Vocal Music	17	22	21	27	23	110
1	ASUJ	13.1312	7	MME	Music Education						
1	ASUJ	13.1314	5	BS	Physical Education	50	55	62	68	70	305
1	ASUJ	13.1314	5	BSE	Physical Education	137	131	111	118	81	578
1	ASUJ	13.1314	7	MSE	Physical Education						11
1	ASUJ	13.1315	7	MSE	Reading		25	26	24	20	104
1	ASUJ	13.1315	8	EdS	Reading						
1	ASUJ	13.1317	5	BSE	Social Science	56	58	80	102	92	388
1	ASUJ	13.1317	7	MSE	Social Science						10
1	ASUJ	13.1322	5	BSE	Biology	10	11	17	18	15	71
1	ASUJ	13.1322	7	MSE	Biology						
1	ASUJ	13.1323	5	BSE	Chemistry						33
1	ASUJ	13.1323	7	MSE	Chemistry						
1	ASUJ	13.1325	5	BSE	French						
1	ASUJ	13.1330	5	BSE	Spanish	10	11	20	20	12	73
1	ASUJ	13.1331	5	BSE	Speech Communication & Theatre Arts						16
1	ASUJ	51.9999	6	GC	Health Sciences Education						
1	ATU	13.0101	7	MAT	Teaching				21	60	81
1	ATU	13.0401	7	MEd	Educational Leadership	46	31	34	35	30	176
1	ATU	13.0401	8	EdS	Educational Leadership	22	17	14	23	19	95
1	ATU	13.0501	7	MEd	Instructional Technology	67	50	31	35	34	217
1	ATU	13.1004	7	MSE	Gifted & Talented		11				33
1	ATU	13.1101	7	MEd	School Counseling & Leadership	29	25	30	38	31	153
1	ATU	13.1102	7	MS	College Student Personnel Services	53	69	92	118	159	491
1	ATU	13.1202	7	MEd	Elementary Education			20	39	42	116
1	ATU	13.1203	5	BS	Middle Level Education	47	46	60	65	61	279
1	ATU	13.1210	5	BS	Early Childhood Education	430	413	423	451	457	2,174
1	ATU	13.1299	7	MEd	Instructional Improvement			10			38
1	ATU	13.1301	5	BS	Agricultural Education						
1	ATU	13.1302	5	BA	Art Education	38	33	47	45	40	203
1	ATU	13.1303	5	BS	Business Education	16	19	18	31	39	123
1	ATU	13.1305	5	BA	English	46	46	61	81	81	315
1	ATU	13.1305	5	BFA	Creative Writing						17

## Education Majors - Detailed Information

ATTACHMENT 14

Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	ATU	13.1305	7	MEd	English						
1	ATU	13.1306	5	BA	Foreign Languages Education			14	27	16	65
1	ATU	13.1311	5	BS	Mathematics	42	35	40	44	51	212
1	ATU	13.1311	7	MEd	Mathematics						
1	ATU	13.1312	5	BME	Music Education	138	125	124	152	141	680
1	ATU	13.1314	5	BS	Health & Physical Education	285	292	305	358	348	1,588
1	ATU	13.1314	7	MEd	Physical Education	11	12	13	14	15	65
1	ATU	13.1316	5	BS	Physical Science & Earth Science						33
1	ATU	13.1318	5	BA	Social Studies	93	92	90	99	97	471
1	ATU	13.1318	7	MEd	Social Studies						12
1	ATU	13.1322	5	BS	Life Science & Earth Science			16	14	15	59
1	ATU	13.1331	5	BA	Speech	15	14	10	10	10	59
1	ATU	13.1401	7	MA	Teaching English to Speakers of Other Languages	38	34	29	27	23	151
1	ATU	13.9999	7	MEd	Teaching, Learning, & Leadership	33	33	32	32	35	165
1	ATU	19.0706	3	AS	Early Childhood Education	24	33	41	57	46	201
1	HSU	13.0301	7	MSE	Advanced Instructional Studies		49	46	31	34	160
1	HSU	13.0301	7	MSE	Curriculum & Instruction	42					42
1	HSU	13.0401	8	EdS	Educational Leadership				10	11	21
1	HSU	13.0408	7	MSE	Educational Leadership			34	25	21	80
1	HSU	13.0408	7	MSE	School Administration	39	31				70
1	HSU	13.0408	8	EdS	Educational Leadership	44	18	12			74
1	HSU	13.1001	7	MSE	Instructional Specialist, Special Education	17	15	16	17		74
1	HSU	13.1015	7	MSE	Early Childhood			21	13	13	47
1	HSU	13.1015	7	MSE	Early Childhood-Special Education	28	25				53
1	HSU	13.1101	7	MSE	School Counseling	19	15	15	11	12	72
1	HSU	13.1202	5	BSE	Elementary Education						
1	HSU	13.1203	5	BSE	Middle Level Education	66	57	61	105	90	379
1	HSU	13.1210	5	BSE	Early Childhood Education	246	238	248	293	308	1,333
1	HSU	13.1299	7	MAT	Education	42	44	44	52	46	228
1	HSU	13.1302	5	BSE	Art	36	38	31	37	35	177
1	HSU	13.1303	5	BSE	Business Technology Education			10	12		30
1	HSU	13.1303	5	BSE	Vocational Business Education	10					18
1	HSU	13.1308	5	BSE	Family & Consumer Sciences						
1	HSU	13.1314	5	BSE	Physical Education	161	149	139	166	164	779
1	HSU	13.1314	7	MSE	Physical Education						
1	HSU	13.1315	7	MSE	Reading			13			36
1	HSU	13.1317	5	BSE	Social Science	24	31	33	38	33	159
1	SAUM	13.0401	7	MEd	Educational Administration & Supervision	15	19	21	17	19	91
1	SAUM	13.0501	7	MEd	Library Media	21	28	29	27	23	128
1	SAUM	13.1101	7	MED	School Counseling	40	51	61	52	56	260
1	SAUM	13.1199	7	MS	Clinical Mental Health Counseling			61	47	48	156
1	SAUM	13.1199	7	MS	Counseling	55	52				107
1	SAUM	13.1202	7	MEd	Elementary Education	41	57	63	60	49	270
1	SAUM	13.1203	5	BSE	Middle School Education	27	19	16	17	12	91
1	SAUM	13.1205	7	MEd	Secondary Education	49	39	40	36	33	197
1	SAUM	13.1210	5	BSE	Early Childhood Education	215	218	226	190	155	1,004
1	SAUM	13.1299	7	MAT	Teacher Education	32	29	31	24	41	157
1	SAUM	13.1301	5	BS	Agricultural Education	46	40	40	36	29	191
1	SAUM	13.1302	5	BSE	Art						
1	SAUM	13.1303	5	BSE	Business Education						
1	SAUM	13.1305	5	BSE	English						
1	SAUM	13.1311	5	BSE	Mathematics						
1	SAUM	13.1312	5	BME	Music	29	34	33	34	35	165
1	SAUM	13.1314	5	BSE	Health, Kinesiology & Recreation	151	148				299
1	SAUM	13.1314	5	BSE	Physical Education, Wellness, & Leisure			135	144	141	420
1	SAUM	13.1316	5	BSE	General Science						
1	SAUM	13.1318	5	BSE	Social Studies						
1	SAUM	13.133	5	BSE	Spanish						
1	UAF	13.0301	8	EDS	Curriculum & Instruction	18	19	14	14	10	75
1	UAF	13.0301	9	PhD	Curriculum & Instruction	40	47				87
1	UAF	13.0301	17	PhD	Curriculum & Instruction			51	56	57	164
1	UAF	13.0401	7	MEd	Educational Administration	16	20				36
1	UAF	13.0401	7	MEd	Educational Leadership			24	28	26	78
1	UAF	13.0401	8	EdS	Educational Administration	11					19
1	UAF	13.0401	8	EdS	Educational Leadership						20
1	UAF	13.0401	9	Edd	Educational Administration	47	41				88
1	UAF	13.0401	17	Edd	Educational Leadership			36	35	36	107
1	UAF	13.0404	6	GC	Arkansas Curriculum / Program Administrator						16
1	UAF	13.0404	6	GC	Building-Level Administrator						
1	UAF	13.0404	6	GC	District-Level Administrator						
1	UAF	13.0404	8	PMC	Building-Level Administration						
1	UAF	13.0404	8	PMC	Building-Level Administrator						10
1	UAF	13.0404	8	PMC	District-Level Administration						
1	UAF	13.0404	8	PMC	District-Level Administrator						
1	UAF	13.0406	7	MEd	Higher Education	43	34	41	47	50	215
1	UAF	13.0406	9	Edd	Higher Education	39	44				83
1	UAF	13.0406	17	Edd	Higher Education			44	44	51	139
1	UAF	13.0501	7	MEd	Educational Technology	11	19	29	42	39	140

## Education Majors - Detailed Information

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Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	UAF	13.0603	9	PhD	Educational Statistics & Research Methods		12				19
1	UAF	13.0603	17	PhD	Educational Statistics & Research Methods			12	14	11	37
1	UAF	13.0699	7	MS	Educational Foundations						
1	UAF	13.0699	7	MS	Educational Statistics and Research Methods						
1	UAF	13.0901	17	PhD	Education Policy				11	15	32
1	UAF	13.1001	7	MAT	Special Education						
1	UAF	13.1001	7	MEd	Special Education	49	60	71	68	65	313
1	UAF	13.1013	6	GC	Autism Spectrum Disorders						15
1	UAF	13.1101	7	MS	Counseling	38	42	41	40	48	209
1	UAF	13.1101	8	EdS	Counselor Education						
1	UAF	13.1101	9	PhD	Counselor Education	18	19				37
1	UAF	13.1101	17	PhD	Counselor Education			24	27	25	76
1	UAF	13.1201	7	MEd	Workforce Development Education	146	118	122	128	118	632
1	UAF	13.1201	9	EdD	Workforce Development Education	43	41				84
1	UAF	13.1201	17	EdD	Workforce Development Education			54	54	54	162
1	UAF	13.1202	5	BSE	Childhood Education	408	426	442	516	572	2,364
1	UAF	13.1202	7	MAT	Childhood Education	61	63	66	72	63	325
1	UAF	13.1202	7	MEd	Elementary Education	19	15	16	15	13	78
1	UAF	13.1203	5	BSE	Middle Level Education	52	30	16			98
1	UAF	13.1203	7	MAT	Middle Level Education						27
1	UAF	13.1205	7	MAT	Secondary Education	43	48	51	61	48	251
1	UAF	13.1205	7	MEd	Secondary Education	14	25	23	31	21	114
1	UAF	13.1209	5	BSE	Elementary Education	72	81	110	104	94	461
1	UAF	13.1301	5	BSA	Agricultural Education	66	77				143
1	UAF	13.1301	5	BSA	Agricultural Education, Communication, and Technology			74			74
1	UAF	13.1301	7	MS	Agricultural & Extension Education	10	12	11	17	20	70
1	UAF	13.1311	7	MA	Secondary Mathematics						
1	UAF	13.1314	7	MAT	Physical Education		10				17
1	UAF	13.1314	7	MEd	Physical Education		13	18	13	11	55
1	UAF	13.1319	5	BSE	Career and Technical Education			40	55	55	150
1	UAF	13.1319	5	BSE	Vocational Education		34				34
1	UAF	13.132	5	BSE	Vocational Education	187					187
1	UAF	13.132	9	EdD	Vocational Education						
1	UAF	13.132	17	EdD	Vocational Education						
1	UAFS	13.1203	5	BS	Middle Childhood Education	102	113	132	145	147	639
1	UAFS	13.1210	3	AAS	Early Childhood Education	17	20	26	22	22	107
1	UAFS	13.1210	5	BS	Early Childhood Education	465	480	523	552	520	2,540
1	UAFS	13.1305	5	BS	English	82	77	100	101	113	473
1	UAFS	13.1311	5	BS	Mathematics	31	39	41	48	43	202
1	UAFS	13.1312	5	BME	Music Education	44	37	33	43	58	215
1	UAFS	13.1322	5	BS	Biology	42	34	39	44	34	193
1	UAFS	13.1323	5	BS	Chemistry						16
1	UAFS	13.1328	5	BS	History	133	133	162	169	160	757
1	UAFS	13.133	5	BS	Spanish	23	27	19	22	25	116
1	UALR	13.0301	7	MEd	Curriculum & Instruction					12	14
1	UALR	13.0401	7	MEd	Educational Administration	25	18	21	20	20	104
1	UALR	13.0401	8	EdS	Educational Administration	22	17	13	17	15	84
1	UALR	13.0401	9	EdD	Educational Administration	49	44				93
1	UALR	13.0401	17	EdD	Educational Administration			41	44	39	124
1	UALR	13.0406	7	MA	College Student Affairs			12			24
1	UALR	13.0406	7	MA	Higher Education						13
1	UALR	13.0406	9	EdD	Higher Education	81	69				150
1	UALR	13.0406	17	EdD	Higher Education			62	58	57	177
1	UALR	13.0501	7	MEd	Learning Systems Technology	42	63	72	57	68	302
1	UALR	13.1001	7	MEd	Special Education	29	28	38	34	25	154
1	UALR	13.1004	6	GC	Gifted Education	23	21	24	13	23	104
1	UALR	13.1004	6	GC	Teaching Advanced Placement		11	23	10		46
1	UALR	13.1004	7	MEd	Teaching Gifted & Talented	13	14	19	21	18	85
1	UALR	13.1101	7	MEd	Counselor Education	62	59	63	70	57	311
1	UALR	13.1201	7	MEd	Adult Education	50	56	54	74	67	301
1	UALR	13.1203	5	BSE	Middle Childhood Education	12	19	21	24	16	92
1	UALR	13.1203	7	MEd	Middle Childhood Education	48	57	65	60	58	288
1	UALR	13.1205	7	MEd	Secondary Education	81	108	124	138	97	548
1	UALR	13.1210	5	BSE	Early Childhood Education	108	85	83	81	94	451
1	UALR	13.1210	7	MEd	Early Childhood Education		14	39	37	47	144
1	UALR	13.1299	6	GC	Teaching Advanced Placement						
1	UALR	13.1299	7	MA	Higher Education						
1	UALR	13.1299	7	MA	Higher Education: Two-Year College Teaching						13
1	UALR	13.1315	6	GC	Reading/Literacy Coach	19	11	27	22		84
1	UALR	13.1315	7	MEd	Reading	76	51	38	30	15	210
1	UALR	13.1315	8	EdS	Reading	25	31	26	24	15	121
1	UALR	13.1315	17	PhD	Reading					16	25
1	UALR	13.1401	7	MA	Second Languages	10	19		12	10	60
1	UAM	13.0401	7	MEd	Educational Leadership	18	17	17	12		72
1	UAM	13.1001	6	GC	Special Education					10	12
1	UAM	13.1202	5	BA	Elementary Education	18		10			36
1	UAM	13.1203	5	BA	Middle Level Education	20	24	39	48	56	187

## Education Majors - Detailed Information

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Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
1	UAM	13.1205	7	MAT	Education	49	41	41	72	43	246
1	UAM	13.1206	7	MEd	Education	50	33	30	39	29	181
1	UAM	13.1209	5	BA	Early Childhood Education	178	162	182	178	187	887
1	UAM	13.1312	5	BME	Music	31	27				58
1	UAM	13.1312	5	BME	Music Education			31	27	47	105
1	UAM	13.1314	5	BS	Health & Physical Education	83	95	124	109	102	513
1	UAM	13.9999	5	BS	Teaching and Learning					24	24
1	UAM	19.0708	2	TC	Early Childhood Education	68	56	62	51	84	321
1	UAM	31.0501	5	BA/BS	Health, Physical Education, & Exercise Science	78	97	123	116	130	544
1	UAM	31.0501	7	MPEC	Physical Education and Coaching					12	12
1	UAPB	13.1001	5	BS	Special Education (Mildly Handicapped K-12)						
1	UAPB	13.1202	5	BS	Elementary Education	53	34	17			105
1	UAPB	13.1202	7	MEd	Elementary Education	14	11	10			36
1	UAPB	13.1203	5	BS	Middle Level Education	10		16	27	26	88
1	UAPB	13.1210	5	BS	Early Childhood Education	125	166	166	155	143	755
1	UAPB	13.1210	7	MEd	Early Childhood Education		25	29	34	26	114
1	UAPB	13.1299	7	MAT	Teaching						22
1	UAPB	13.1301	5	BS	Agricultural Education						23
1	UAPB	13.1303	5	BS	Business Education	14	14	11			50
1	UAPB	13.1305	5	BS	English Education	17	27	27	17	20	108
1	UAPB	13.1305	7	MEd	English Education						30
1	UAPB	13.1308	5	BS	Home Economics						14
1	UAPB	13.1308	5	BS	Human Sciences Education						
1	UAPB	13.1311	5	BS	Mathematics Education	12	16	15	11	19	73
1	UAPB	13.1311	7	MEd	Mathematics Education						16
1	UAPB	13.1314	5	BS	Health & Physical Education	109	110	100	104	91	514
1	UAPB	13.1314	7	MEd	Health & Physical Education	13	20	18	16	14	81
1	UAPB	13.1316	5	BS	Science Education						13
1	UAPB	13.1316	7	MEd	Science Education				11		35
1	UAPB	13.1317	5	BS	Social Science	13	13	12	12	12	62
1	UAPB	13.1318	7	MEd	Social Studies Education						33
1	UAPB	13.132	5	BS	Trade & Industrial Education						
1	UCA	13.0101	7	MSE	Advanced Studies in Teacher Leadership				12	11	23
1	UCA	13.0101	7	MSE	Advanced Studies in Teaching & Learning			26			26
1	UCA	13.0101	7	MSE	Education in Advanced Studies in Teaching & Learning	47	32				79
1	UCA	13.0408	7	MS	School Leadership, Management & Administration	56					56
1	UCA	13.0411	8	EdS	Educational Leadership					14	42
1	UCA	13.0499	6	GC	Instructional Facilitator						
1	UCA	13.0499	7	MS	School Leadership			42			42
1	UCA	13.0499	7	MS	School Leadership, Management & Administration		50				50
1	UCA	13.0499	7	MS	School Leadership, Management, and Administration				33	27	60
1	UCA	13.0499	8	PMC	School-Based Leadership-Special Education Program Administration						
1	UCA	13.0501	7	MS	Instructional Technology				20	24	56
1	UCA	13.1001	6	GC	Early Childhood Special Education Instructional Specialist (P-4)						
1	UCA	13.1001	7	MSE	Special Education	63	53	41	42	23	222
1	UCA	13.1101	7	MS	School Counseling	30	23	19	20	22	114
1	UCA	13.1102	7	MS	College Student Personnel Services	46	46	36	39	38	205
1	UCA	13.1203	5	BSE	Middle Level Education	94	93	80	90	47	404
1	UCA	13.1209	5	BSE	P - 4 Licensure	427	403	343	384	225	1,782
1	UCA	13.1210	7	MSE	Early Childhood Education						19
1	UCA	13.1299	7	MAT	Teaching	174	245	259	265	264	1,207
1	UCA	13.1303	5	BSE	Business & Marketing Technology	17	16	11	11		57
1	UCA	13.1303	7	MS	Training Systems	24					37
1	UCA	13.1305	5	BSE	English	47	37				85
1	UCA	13.1308	5	BSE	Family & Consumer Sciences	33	37	27	24	27	148
1	UCA	13.1311	5	BSE	Mathematics	54	44	53	48	35	234
1	UCA	13.1314	5	BSE	Kinesiology & Physical Education	144	31	10	16	17	218
1	UCA	13.1315	7	MSE	Reading	51	52	32	22	12	169
1	UCA	13.1316	5	BSE	Secondary Science Education	26	19	23	15	18	101
1	UCA	13.1318	5	BSE	Social Studies	97	85	73	60	36	351
1	UCA	27.0101	7	MA	Mathematics Education	15	18	16	17		74
1	UCA	51.1504	5	BS	Health Education	79	97	114	137	127	554
2	ANC	13.1202	3	AS	Childhood Education					24	24
2	ANC	13.1206	3	AAT	Teaching	70	87	68	69	39	333
2	ANC	13.1210	3	AAS	Early Childhood Education	71	60	83	88	62	364
2	ASUB	13.1206	3	AAT	Teaching	271	313	404	400	436	1,824
2	ASUB	13.1210	2	TC	Early Childhood Education	18		13			47
2	ASUB	13.1210	3	AAS	Early Childhood Education	47	44	52	65	61	269
2	ASUB	19.0709	1	CP	Early Childhood Education		11				24
2	ASUMH	13.1206	3	AAT	Teaching	102	72	131	153	139	597
2	ASUMH	13.1210	3	AS	Early Childhood Education						
2	ASUN	13.1206	3	AAT	Teaching	42	72	77	85	77	353
2	ASUN	13.1210	3	AAS	Early Childhood Education						
2	BRTC	13.1206	3	AAT	Teaching			17	40	56	124

## Education Majors - Detailed Information

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Inst. Type	Institution	CIP Code	Degree Level	Award	Degree Name	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall	Total
2	BRTC	13.1210	3	AAS	Early Childhood Education	36	28	36	25		126
2	CCCUA	13.1206	3	AAT	Teaching	81	82	85	103	99	450
2	CCCUA	13.1210	3	AAS	Early Childhood Education	26	24	35	30		115
2	CCCUA	13.1210	3	AAS	Preschool Professionals					18	18
2	CCCUA	13.1401	1	CP	English as a Second Language Education	12					14
2	CotO	13.1206	3	AAT	Teaching	35	30	33	40	28	166
2	CotO	19.0708	3	AAS	Early Childhood Education	20	19	16	23	17	95
2	CotO	19.0709	1	CP	Early Childhood Education	16	11	16	12		59
2	EACC	13.1206	3	AAT	Teaching	13	31	52	45	29	170
2	EACC	51.0000	1	CP	Medical Professions Education						
2	MSCC	13.1206	3	AAT	Teaching	39	100	131	186	140	596
2	NAC	13.1206	3	AAT	Teaching	29		22	47	88	188
2	NPCC	13.1206	3	AAT	Teaching	74	85	80	91	109	439
2	NPCC	19.0708	3	AAS	Early Childcare Education			96	103	122	321
2	NPCC	19.0709	2	TC	Early Childhood Education		14	15	13	11	58
2	NPCC	19.0709	2	TC	Early Childhood Education; Owner/Director						
2	NPCC	51.0904	2	TC	Advanced Emergency Medical Technology - Paramedic Education			18	16	15	49
2	NPCC	51.0904	2	TC	Advanced Emergency Medical Technology - Paramedic Education						15
2	NPCC	51.0904	3	AAS	Emergency Medical Service - Paramedic Education	14	21				35
2	NWACC	13.1206	3	AAT	Teaching	99	177	219	265	281	1,041
2	NWACC	13.1210	1	CP	Early Childhood Development Specialist	10	10				29
2	NWACC	13.1210	3	AAS	Early Childhood Education	129	123	117	144		513
2	NWACC	13.1210	3	AAS	Early Childhood Education (Birth to Pre-K credential)					113	113
2	NWACC	13.1501	2	TC	Para Educators of Special Needs Learners						11
2	OZC	13.1206	3	AAT	Teaching	84	85	124	139	143	575
2	OZC	13.1210	2	TC	Early Childhood Education						19
2	OZC	19.0706	2	TC	Early Childhood Education						
2	PCCUA	13.1206	3	AAT	Teaching						
2	PCCUA	13.1210	2	TC	Early Childhood Education	31	15		12		74
2	PCCUA	13.1210	3	AAS	Early Childhood Education	29	39	36	20	17	141
2	PCCUA	51.0000	1	CP	Medical Professions Education						18
2	PTC	13.1206	3	AAT	Teaching	200	211	322	343	304	1,380
2	RMCC	13.1206	3	AAT	Teaching	62	44	32	51	45	234
2	SACC	13.1206	3	AAT	Teaching	23	42	66	38	48	217
2	SACC	13.1210	1	CP	Early Childhood Education						16
2	SACC	13.1210	2	TC	Early Childhood Education						
2	SACC	13.1210	2	TC	Early Childhood Education (Birth to Pre-K credential)						
2	SACC	13.1210	3	AAS	Early Childhood Education	47	45	47	35		174
2	SACC	13.1210	3	AAS	Early Childhood Education (Birth to Pre-K credential)					46	46
2	SAUT	13.0501	2	TC	Multimedia Audio / Video Production						
2	SAUT	13.0501	3	AAS	Multimedia Audio / Video Production						
2	SAUT	13.1206	3	AAT	Teaching	50	56	70	90	78	344
2	SEAC	13.1206	3	AAT	Teaching	33	30	21	14		98
2	UACCB	13.1206	3	AAT	Teaching	36	38	26	25	17	142
2	UACCB	13.1210	1	CP	Early Childhood Education	21					32
2	UACCB	13.1210	2	TC	Early Childhood Education			10			34
2	UACCB	13.1210	3	AAS	Early Childhood Education	54	66	82	69	53	324
2	UACCH	13.1206	3	AAT	Teaching	53	39	79	73	74	318
2	UACCH	19.0708	3	AAS	Early Childhood Education	15	12	22	39	42	130
2	UACCM	13.1206	3	AAT	Teaching	81			83	92	256
					4-Year Universities	10,602	10,480	11,199	12,653	12,603	57,537
					2-Year Colleges	2,115	2,186	2,788	3,118	2,981	13,188
					Total	12,717	12,666	13,987	15,771	15,584	70,725

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



## STEM List of CIP Codes

ATTACHMENT 15

CIP Code Family	2010 CIP Code	CIP Code Title
01	01.0901	Animal Sciences, General
01	01.0902	Agricultural Animal Breeding
01	01.0903	Animal Health
01	01.0904	Animal Nutrition
01	01.0905	Dairy Science
01	01.0906	Livestock Management
01	01.0907	Poultry Science
01	01.1001	Food Science
01	01.1002	Food Technology and Processing
01	01.1101	Plant Sciences, General
01	01.1102	Agronomy and Crop Science
01	01.1103	Horticultural Science
01	01.1104	Agricultural and Horticultural Plant Breeding
01	01.1105	Plant Protection and Integrated Pest Management
01	01.1106	Range Science and Management
01	01.1201	Soil Science and Agronomy, General
01	01.1202	Soil Chemistry and Physics
01	01.1203	Soil Microbiology
03	03.0104	Environmental Science
03	03.0502	Forest Sciences and Biology
03	03.0509	Wood Science and Wood Products/Pulp and Paper Technology
09	09.0702	Digital Communication and Media/Multimedia
10	10.0304	Animation, Interactive Technology, Video Graphics and SpecialEffects
11	11.0101	Computer and Information Sciences, General
11	11.0102	Artificial Intelligence
11	11.0103	Information Technology
11	11.0104	Informatics
11	11.0201	Computer Programming/Programmer, General
11	11.0202	Computer Programming, Specific Applications
11	11.0203	Computer Programming, Vendor/Product Certification
11	11.0301	Data Processing and Data Processing Technology/Technician
11	11.0401	Information Science/Studies
11	11.0501	Computer Systems Analysis/Analyst
11	11.0701	Computer Science
11	11.0801	Web Page, Digital/Multimedia and Information Resources Design
11	11.0802	Data Modeling/Warehousing and Database Administration
11	11.0803	Computer Graphics
11	11.0804	Modeling, Virtual Environments and Simulation
11	11.0901	Computer Systems Networking and Telecommunications
11	11.1001	Network and System Administration/Administrator
11	11.1002	System, Networking, and LAN/WAN Management/Manager
11	11.1003	Computer and Information Systems Security/Information Assurance
11	11.1004	Web/Multimedia Management and Webmaster
11	11.1005	Information Technology Project Management
11	11.1006	Computer Support Specialist
13	13.0603	Educational Statistics and Research Methods
14	14.0101	Engineering, General
14	14.0102	Pre-Engineering
14	14.0201	Aerospace, Aeronautical and Astronautical/Space Engineering
14	14.0301	Agricultural Engineering
14	14.0401	Architectural Engineering
14	14.0501	Bioengineering and Biomedical Engineering
14	14.0601	Ceramic Sciences and Engineering
14	14.0701	Chemical Engineering
14	14.0702	Chemical and Biomolecular Engineering
14	14.0801	Civil Engineering, General
14	14.0802	Geotechnical and Geoenvironmental Engineering
14	14.0803	Structural Engineering
14	14.0804	Transportation and Highway Engineering
14	14.0805	Water Resources Engineering
14	14.0901	Computer Engineering, General
14	14.0902	Computer Hardware Engineering
14	14.0903	Computer Software Engineering
14	14.1001	Electrical and Electronics Engineering
14	14.1003	Laser and Optical Engineering
14	14.1004	Telecommunications Engineering
14	14.1101	Engineering Mechanics
14	14.1201	Engineering Physics/Applied Physics
14	14.1301	Engineering Science
14	14.1401	Environmental/Environmental Health Engineering
14	14.1801	Materials Engineering
14	14.1901	Mechanical Engineering
14	14.2001	Metallurgical Engineering
14	14.2101	Mining and Mineral Engineering
14	14.2201	Naval Architecture and Marine Engineering
14	14.2301	Nuclear Engineering
14	14.2401	Ocean Engineering
14	14.2501	Petroleum Engineering
14	14.2701	Systems Engineering
14	14.2801	Textile Sciences and Engineering
14	14.3201	Polymer/Plastics Engineering
14	14.3301	Construction Engineering
14	14.3401	Forest Engineering
14	14.3501	Industrial Engineering
14	14.3601	Manufacturing Engineering

## STEM List of CIP Codes

ATTACHMENT 15

CIP Code Family	2010 CIP Code	CIP Code Title
14	14.3701	Operations Research
14	14.3801	Surveying Engineering
14	14.3901	Geological/Geophysical Engineering
14	14.4001	Paper Science and Engineering
14	14.4101	Electromechanical Engineering
14	14.4201	Mechatronics, Robotics, and Automation Engineering
14	14.4301	Biochemical Engineering
14	14.4401	Engineering Chemistry
14	14.4501	Biological/Biosystems Engineering
15	15.0000	Engineering Technology, General
15	15.0101	Architectural Engineering Technology/Technician
15	15.0201	Civil Engineering Technology/Technician
15	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician
15	15.0304	Laser and Optical Technology/Technician
15	15.0305	Telecommunications Technology/Technician
15	15.0306	Integrated Circuit Design
15	15.0401	Biomedical Technology/Technician
15	15.0403	Electromechanical Technology/Electromechanical Engineering Technology
15	15.0404	Instrumentation Technology/Technician
15	15.0405	Robotics Technology/Technician
15	15.0406	Automation Engineer Technology/Technician
15	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician
15	15.0503	Energy Management and Systems Technology/Technician
15	15.0505	Solar Energy Technology/Technician.
15	15.0506	Water Quality and Wastewater Treatment Management and RecyclingTechnology/Technician
15	15.0507	Environmental Engineering Technology/Environmental Technology
15	15.0508	Hazardous Materials Management and Waste Technology/Technician
15	15.0607	Plastics and Polymer Engineering Technology/Technician
15	15.0611	Metallurgical Technology/Technician
15	15.0612	Industrial Technology/Technician
15	15.0613	Manufacturing Engineering Technology/Technician
15	15.0614	Welding Engineering Technology/Technician
15	15.0615	Chemical Engineering Technology/Technician
15	15.0616	Semiconductor Manufacturing Technology
15	15.0701	Occupational Safety and Health Technology/Technician
15	15.0702	Quality Control Technology/Technician
15	15.0703	Industrial Safety Technology/Technician
15	15.0704	Hazardous Materials Information Systems Technology/Technician
15	15.0801	Aeronautical/Aerospace Engineering Technology/Technician
15	15.0803	Automotive Engineering Technology/Technician
15	15.0805	Mechanical Engineering/Mechanical Technology/Technician
15	15.0901	Mining Technology/Technician
15	15.0903	Petroleum Technology/Technician
15	15.1001	Construction Engineering Technology/Technician
15	15.1102	Surveying Technology/Surveying
15	15.1103	Hydraulics and Fluid Power Technology/Technician
15	15.1201	Computer Engineering Technology/Technician
15	15.1202	Computer Technology/Computer Systems Technology
15	15.1203	Computer Hardware Technology/Technician
15	15.1204	Computer Software Technology/Technician
15	15.1301	Drafting and Design Technology/Technician, General
15	15.1302	CAD/CADD Drafting and/or Design Technology/Technician
15	15.1303	Architectural Drafting and Architectural CAD/CADD
15	15.1304	Civil Drafting and Civil Engineering CAD/CADD
15	15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD
15	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD
15	15.1401	Nuclear Engineering Technology/Technician
15	15.1501	Engineering/Industrial Management
15	15.1502	Engineering Design
15	15.1503	Packaging Science
15	15.1601	Nanotechnology
26	26.0101	Biology/Biological Sciences, General
26	26.0102	Biomedical Sciences, General
26	26.0202	Biochemistry
26	26.0203	Biophysics
26	26.0204	Molecular Biology
26	26.0205	Molecular Biochemistry
26	26.0206	Molecular Biophysics
26	26.0207	Structural Biology
26	26.0208	Photobiology
26	26.0209	Radiation Biology/Radiobiology
26	26.0210	Biochemistry and Molecular Biology
26	26.0301	Botany/Plant Biology
26	26.0305	Plant Pathology/Phytopathology
26	26.0307	Plant Physiology
26	26.0308	Plant Molecular Biology
26	26.0401	Cell/Cellular Biology and Histology
26	26.0403	Anatomy
26	26.0404	Developmental Biology and Embryology
26	26.0406	Cell/Cellular and Molecular Biology
26	26.0407	Cell Biology and Anatomy
26	26.0502	Microbiology, General
26	26.0503	Medical Microbiology and Bacteriology
26	26.0504	Virology
26	26.0505	Parasitology

## STEM List of CIP Codes

ATTACHMENT 15

CIP Code Family	2010 CIP Code	CIP Code Title
26	26.0506	Mycology
26	26.0507	Immunology
26	26.0508	Microbiology and Immunology
26	26.0701	Zoology/Animal Biology
26	26.0702	Entomology
26	26.0707	Animal Physiology
26	26.0708	Animal Behavior and Ethology
26	26.0709	Wildlife Biology
26	26.0801	Genetics, General
26	26.0802	Molecular Genetics
26	26.0803	Microbial and Eukaryotic Genetics
26	26.0804	Animal Genetics
26	26.0805	Plant Genetics
26	26.0806	Human/Medical Genetics
26	26.0807	Genome Sciences/Genomics
26	26.0901	Physiology, General
26	26.0902	Molecular Physiology
26	26.0903	Cell Physiology
26	26.0904	Endocrinology
26	26.0905	Reproductive Biology
26	26.0907	Cardiovascular Science
26	26.0908	Exercise Physiology
26	26.0909	Vision Science/Physiological Optics
26	26.0910	Pathology/Experimental Pathology
26	26.0911	Oncology and Cancer Biology
26	26.0912	Aerospace Physiology and Medicine
26	26.1001	Pharmacology
26	26.1002	Molecular Pharmacology
26	26.1003	Neuropharmacology
26	26.1004	Toxicology
26	26.1005	Molecular Toxicology
26	26.1006	Environmental Toxicology
26	26.1007	Pharmacology and Toxicology
26	26.1101	Biometry/Biometrics
26	26.1102	Biostatistics
26	26.1103	Bioinformatics
26	26.1104	Computational Biology
26	26.1201	Biotechnology
26	26.1301	Ecology
26	26.1302	Marine Biology and Biological Oceanography
26	26.1303	Evolutionary Biology
26	26.1304	Aquatic Biology/Limnology
26	26.1305	Environmental Biology
26	26.1306	Population Biology
26	26.1307	Conservation Biology
26	26.1308	Systematic Biology/Biological Systematics
26	26.1309	Epidemiology
26	26.1310	Ecology and Evolutionary Biology
26	26.1401	Molecular Medicine
26	<b>26.1501</b>	<b>Neuroscience</b>
26	26.1502	Neuroanatomy
26	26.1503	Neurobiology and Anatomy
26	26.1504	Neurobiology and Behavior
27	27.0101	Mathematics, General
27	27.0102	Algebra and Number Theory
27	27.0103	Analysis and Functional Analysis
27	27.0104	Geometry/Geometric Analysis
27	27.0105	Topology and Foundations
27	27.0301	Applied Mathematics, General
27	27.0303	Computational Mathematics
27	27.0304	Computational and Applied Mathematics
27	27.0305	Financial Mathematics
27	27.0306	Mathematical Biology
27	27.0501	Statistics, General
27	27.0502	Mathematical Statistics and Probability
27	27.0503	Mathematics and Statistics
29	29.0201	Intelligence, General
29	29.0202	Strategic Intelligence
29	29.0203	Signal/Geospatial Intelligence
29	29.0204	Command & Control (C3, C4I) Systems and Operations
29	29.0205	Information Operations/Joint Information Operations
29	29.0206	Information/Psychological Warfare and Military Media Relations
29	29.0207	Cyber/Electronic Operations and Warfare
29	29.0301	Combat Systems Engineering
29	29.0302	Directed Energy Systems
29	29.0303	Engineering Acoustics
29	29.0304	Low-Observables and Stealth Technology
29	29.0305	Space Systems Operations
29	29.0306	Operational Oceanography
29	29.0307	Undersea Warfare
29	29.0401	Aerospace Ground Equipment Technology
29	29.0402	Air and Space Operations Technology
29	29.0403	Aircraft Armament Systems Technology
29	29.0404	Explosive Ordnance/Bomb Disposal
29	29.0405	Joint Command/Task Force (C3, C4I) Systems

## STEM List of CIP Codes

ATTACHMENT 15

CIP Code Family	2010 CIP Code	CIP Code Title
29	29.0406	Military Information Systems Technology
29	29.0407	Missile and Space Systems Technology
29	29.0408	Munitions Systems/Ordinance Technology
29	29.0409	Radar Communications and Systems Technology
30	<b>30.0101</b>	<b>Biological and Physical Sciences</b>
30	<b>30.0601</b>	<b>Systems Science and Theory</b>
30	<b>30.0801</b>	<b>Mathematics and Computer Science</b>
30	<b>30.1001</b>	<b>Biopsychology</b>
30	<b>30.1801</b>	<b>Natural Sciences</b>
30	<b>30.1901</b>	<b>Nutrition Sciences</b>
30	<b>30.2501</b>	<b>Cognitive Science</b>
30	<b>30.3201</b>	<b>Marine Sciences</b>
40	40.0101	Physical Sciences
40	40.0201	Astronomy
40	40.0202	Astrophysics
40	40.0203	Planetary Astronomy and Science
40	40.0401	Atmospheric Sciences and Meteorology, General
40	40.0402	Atmospheric Chemistry and Climatology
40	40.0403	Atmospheric Physics and Dynamics
40	40.0404	Meteorology
40	40.0501	Chemistry, General
40	40.0502	Analytical Chemistry
40	40.0503	Inorganic Chemistry
40	40.0504	Organic Chemistry
40	40.0506	Physical Chemistry
40	40.0507	Polymer Chemistry
40	40.0508	Chemical Physics
40	40.0509	Environmental Chemistry
40	40.0510	Forensic Chemistry
40	40.0511	Theoretical Chemistry
40	40.0601	Geology/Earth Science, General
40	40.0602	Geochemistry
40	40.0603	Geophysics and Seismology
40	40.0604	Paleontology
40	40.0605	Hydrology and Water Resources Science
40	40.0606	Geochemistry and Petrology
40	40.0607	Oceanography, Chemical and Physical
40	40.0801	Physics, General
40	40.0802	Atomic/Molecular Physics
40	40.0804	Elementary Particle Physics
40	40.0805	Plasma and High-Temperature Physics
40	40.0806	Nuclear Physics
40	40.0807	Optics/Optical Sciences
40	40.0808	Condensed Matter and Materials Physics
40	40.0809	Acoustics
40	40.0810	Theoretical and Mathematical Physics
40	40.1001	Materials Science
40	40.1002	Materials Chemistry
41	41.0000	Science Technologies/Technicians, General
41	41.0101	Biology Technician/Biotechnology Laboratory Technician
41	41.0204	Industrial Radiologic Technology/Technician
41	41.0205	Nuclear/Nuclear Power Technology/Technician
41	41.0301	Chemical Technology/Technician
41	41.0303	Chemical Process Technology
42	<b>42.2701</b>	<b>Cognitive Psychology and Psycholinguistics</b>
42	<b>42.2702</b>	<b>Comparative Psychology</b>
42	<b>42.2703</b>	<b>Developmental and Child Psychology</b>
42	<b>42.2704</b>	<b>Experimental Psychology</b>
42	<b>42.2705</b>	<b>Personality Psychology</b>
42	<b>42.2706</b>	<b>Physiological Psychology/Psychobiology</b>
42	<b>42.2707</b>	<b>Social Psychology</b>
42	<b>42.2708</b>	<b>Psychometrics and Quantitative Psychology</b>
42	<b>42.2709</b>	<b>Psychopharmacology</b>
43	<b>43.0106</b>	<b>Forensic Science and Technology</b>
45	<b>45.0702</b>	<b>Geographic Information Science and Cartography</b>
51	51.1401	Medical Scientist
51	<b>51.2003</b>	<b>Pharmaceuticals and Drug Design</b>
51	<b>51.2004</b>	<b>Medicinal and Pharmaceutical Chemistry</b>
51	<b>51.2005</b>	<b>Natural Products Chemistry and Pharmacognosy</b>
51	<b>51.2706</b>	<b>Medical Informatics</b>
52	<b>52.1301</b>	<b>Management Science</b>
52	<b>52.1302</b>	<b>Business Statistics</b>
52	52.1304	Actuarial Science

Total CIP Codes = 328