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# May 2014

Issue 27

# FAEISNews

#### Minority undergraduates in colleges and departments of agriculture

For the April newsletter we explored the ethnicity breakdown for undergraduate students enrolled in colleges and departments of agriculture. The analysis for this newsletter included student enrollment for 137 Land-grant and non-Land grant higher education colleges and universities across the country.

#### Minority undergraduate enrollment is growing within agriculture

We first explored the overall ethnicity trends for agriculture programs for the reporting years of 2004 to 2012. Figure 1 shows the baccalaureate enrollment with respect to ethnicity for minority students compared to non-minority students.

Based on our analyses we found the following results.

- From 2004 to 2012, Caucasian students increased by 18,508 students (24%).
- From 2004 to 2012, minority students increased by 14,533 students (93%).

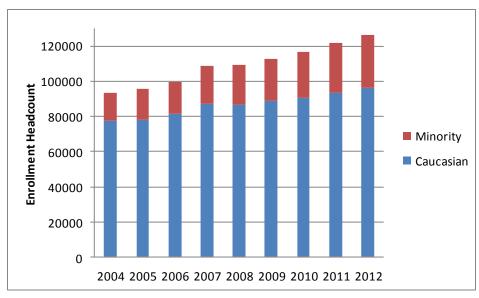
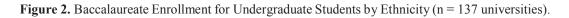


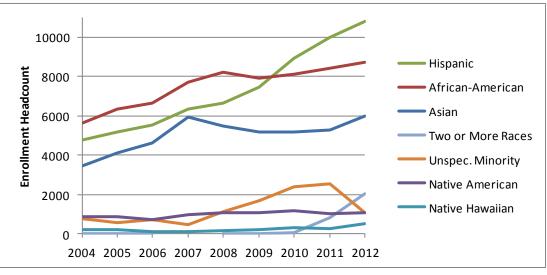
Figure 1. Baccalaureate Enrollment of Minority Students Compared to Non-Minority Students (n=137 universities).

## Minority undergraduate student enrollment by ethnicity

We then explored the Baccalaureate enrollment for minority undergraduate students by ethnicity (Figure 2). Based on our analyses, we found the following results for undergraduate enrollment from 2004 to 2012.

- The enrollment of **Hispanic** students increased by 6,018 students (126%).
- The enrollment of African-American students increased by 3,092 students (55%).
- The enrollment of Asian students increased by 2534 students (74%).



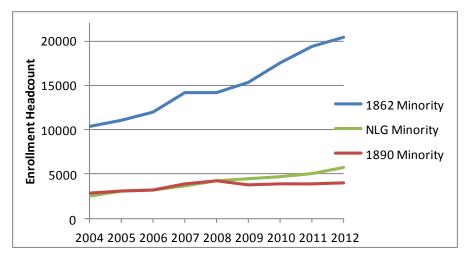


#### Minority undergraduate student enrollment by type of university

We explored the Baccalaureate enrollment for minority students at different types of colleges and universities. We investigated minority undergraduate enrollment at 1862 Land-grant colleges and universities, 1890 Land-grant colleges and universities, and non-Land-grant colleges and universities (Figure 3). Based on our analyses we found the following results for undergraduate enrollment from 2004 to 2012.

- Minority student enrollment at **1862 Land-grant** colleges and universities increased by 10,054 students (97%).
- Minority student enrollment at non-Land-grant colleges and universities increased by 2,204 students (134%).
- Minority student enrollment at 1890 Land-grant colleges and universities increased by 1169 students (42%).

Figure 3. Baccalaureate Enrollment for Minority Students at Different Types of Colleges and Universities (n = 137 universities).



### Undergraduate minority student enrollment by ethnicity in the largest academic areas

We then investigated undergraduate minority student enrollment in the largest academic areas in agriculture. The five academic areas are 1) Animal Sciences 2) Agriculture Economics, Business, and Management, 3) General Agriculture, 4) Plant Sciences, and 5) Agricultural Public Services.

Based on our analyses we found the following results for undergraduate enrollment from 2004 to 2012.

- Minority student enrollment in the academic area of Animal Sciences increased by 3,074 students (129%).
- Minority student enrollment in the academic area of Agriculture Economics, Business, and Management increased by 1,013 students (73%).
- Minority student enrollment in the academic area of General Agriculture increased by 569 students (47%).
- Minority student enrollment in the academic area of Plant Sciences increased by 413 students (59%).
- Minority student enrollment in the academic area of Agricultural Public Services increased by 267 students (42%).

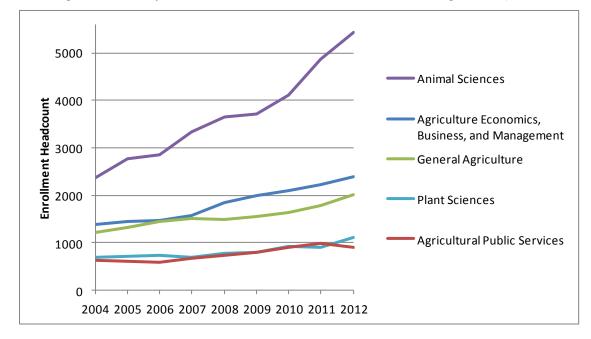


Figure 4. Undergraduate Minority Student Enrollment in Selected Academic Areas in Agriculture (n = 137 institutions).

#### **FAEIS Posters**

In addition to publishing newsletters, FAEIS presents posters at various academic conferences. Two posters have recently been produced: one for the Virginia Tech Conference on Higher Education Pedagogy (CHEP) on the very related topic of minority growth in Agriculture and Life Sciences Programs, and one for the Virginia Tech Deans' Forum on Global Engagement (DFGE) on the topic of study abroad students in agriculture.

#### Findings

After investigating growth trends in four minority groups (African-American, Asian, Hispanic, and Caucasian) across five academic areas (Agricultural Economics, Animal Sciences, Apparel and Textiles, Food and Nutrition, and Human Development) from 49 Land-grant colleges and universities, we found that minority growth rates are increasing over four times faster than non-minority students (See Figure 5).

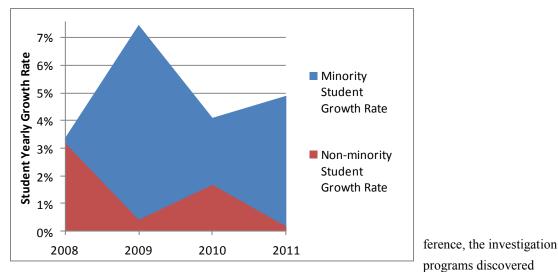


Figure 5. Baccalaureate Enrollment Growth Rate for Minority and Non-minority Students (n = 49 universities).

With regard to the DFGE conof agricultural study abroad

these programs to be most prominent in India and China, with Michigan State University operating the largest number of programs in Asia.

Figure 6. Teneisha Hodge-Wilson, Dr. Mary A. Marchant, and Demontre Purvis presenting the poster at DFGE





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Photos provided by Kelsey Kradel John McCormick





	Caucasian		Asian	Hispanic		Native	Unspec.	Non-US	Unknown	2 or More	Tota
		-Am			Am.	Hawaiian	Minority	Citizens		Races	
nstitution herebom Poldwin Agricultural College	75	2	1						741		819
braham Baldwin Agricultural College labama Agricultural and Mechanical University	70	3191	1	3				71	99		343
Icorn State University	1	1011		0				7 -			101
ngelo State University	2180	45	7	319	15	2	4	6	18	6	260
rizona State University Polytechnic Campus	3723	236	263	745	160	0	169	163	1681		714
rkansas State University	766	11		3			12	3	1919		271
rkansas Tech University	264	3		2	4			1	2178		245
uburn University	7981	199	67	127	92	3		27	74		857
ustin Peay State University	277	5		5	2				655		944
alifornia Polytechnic State University, San Luis Dbispo	23717	207	1592	3299	337	24	478	91	5281		3502
alifornia State Polytechnic University, Pomona	4121	457	2177	3823	100	4	69	394	854	56	1205
alifornia State University - Chico	2919	19	70	332	35	20	34		319	34	378
alifornia State University - Fresno	6229	445	1115	3643	105	46	157	210	1230		1318
alifornia State University - Stanislaus	120	0	3	27	1	0	0	1	247		399
ameron University	532	29	6	37	39	_		46	37	16	742
lemson University	17403	1086	332	279	52	7	2.0	229	1029	74	2049
olorado State University	6469	59	102	289	85	7	28	84	4714	66	1190
ornell University	16564	1526	2998	1335	169	96	1076	1528	4794	46	3013
elaware State University	326	863		13	3		15	1	377	17	161
astern Kentucky University	115 977	20	2	150	4.0	1	5	13	1040	1	115
astern New Mexico University	977 31	29 1884	2 4	458 8	40 2	1	5	4	34 5	1	156 193
lorida A and M University	1865	4	4	6	1		1	4	J	2	193
ort Hays State University	299	3669	8	17	Ŧ		8	8	71	7	408
ort Valley State University	8665	265	441	1866	233	78	121	59	2871	232	148
umboldt State University	356	4	1	6	1	70	121	238	2099	232	270
linois State University	23297	401	336	657	89	2	232	391	685		260
owa State University	16851	280	201	490	117	14	202	44	308	46	185
ansas State University entucky State University	10001	200	201	100			202		20	10	20
angston University	68	845	7	8	16	0	0	5	21	0	97
incoln University of Missouri	1000	718	12	35	3			66	40		187
puisiana State University	12472	1276	368	494	56	3	33	153	329	38	152
puisiana Tech University	717	19	1	1	0	0	0	0	1021		175
IcNeese State University	2186	74							75		233
Aichigan State University	10039	606	367	293	107	6		256	13760		254
Aiddle Tennessee State University	3726	154	12	37	20		49		15	10	402
Aississippi State University	10970	1802	137	124	35	4	12	184	107	16	133
Aissouri State University	3032	23	9	13	32	1	7	12	371	20	352
Nontana State University	628	1	6	7	24		42	19	5800		652
Norehead State University	1071	8		6					1313		239
Norrisville State College	1006	37		15	7			10	337	4	141
/lurray State University	5601	99	18	38	11	3	2	11	120	11	591
lew Mexico State University	3311	113	58	2836	251	8	158	9	7701	7	1445
licholls State University Iorth Carolina Agricultural and Technical State Uni-	2491 721	548 5487	43	76	30	1	32	3	321 74	2	336 646
ersity	20207	2011	2100	070	202	7	1 5 0	405	2005	101	200
Iorth Carolina State University at Raleigh	28307 8241	3011	2196	970 37	283	7	158	485	2605	181	382) 991
lorth Dakota State University	8241	72 14	28 6	37	42 13	2	1	431 2	1038 76	25	362
Iorthwest Missouri State University	3505 1778	14 243	6 6	4 111	13	5	T	2	806	67	362
Iorthwestern Oklahoma State University	941	243	U	10	36	J		10	48	9	105
klahoma Panhandle State University	13495	220	118	297	1630	59	179	215	2120	126	184
regon State University	8419	103	253	439	157	36	51	56	1516	91	1111
regon State University rairie View A&M University	61	1581	6	73	1	0	0	59	1510	9	180
urdue University	20110	395	378	424	94	6	32	1066	165	39	227
utgers University- New Brunswick	17565	1806	3260	2409	37	2	3265	595	45		289
UNY at Cobleskill	725	8	6	20	3			18	2693		347
am Houston State University	5406	155	24	286	45	7	2	12	16		595
outh Carolina State University	1	148							5		15
outh Dakota State University	17391	67	97	80	154	1	23	17	6	29	178
outheast Missouri State University	0								1881		188
outheastern Louisiana University	5362	1404							762		752
Southern Arkansas University	301	9		1		2			761		107

	Caucasian	African- Am	Asian	Hispanic	Native Am.	Native Hawaiian	Unspec. Minority	Non-US Citizens	Unknown	2 or More Races	Total
Institution											
Southern Illinois University-Carbondale	5774	273	35	125	11			49	1941		8208
Southern University and Agricultural and Mechanical College Southern Utah University	27	2421							25 1202		2473 1202
Southwest Minnesota State University	0								1036		1036
Stephen F. Austin State University	4077	86	21	183	35		3	3	120	3	4531
Sul Ross State University	1322	36	8	338	14	1	2	13	46	0	1780
Tarleton State University	11042	126	23	573 4	113	1	56	28	23		11985
Tennessee State University	205 2034	2729 14	30 2	4	1 3		11	2	118 250		3098 2306
Tennessee Technological University Texas A&M University	38246	1427	1253	5686	327	24		382	750	246	48341
Texas A&M University- Commerce	1203	99	15	137	26	1		13	6	11	1511
Texas A&M University- Kingsville	2048	107	13	2135	16	5		73	212	11	4620
Texas State University- San Marcos	1566	50	14	230	13	1	50	2	439	0.0	2315
Texas Tech University	10472 16937	159 543	69 338	804 354	73 98	3	53 51	57 90	86 78	29	11802 18492
The Ohio State University	18591	738	402	684	27	5	241	158	488	49	21383
The Pennsylvania State University The University of Rhode Island	11852	541	475	656	56	2	62	76	1900	98	15718
Truman State University	660	20		12	11			22	18		743
Tuskegee University	1	1254		2	1		1	36	62		1357
University of Alaska- Fairbanks	665	4	8	23	41		3	14	56	2	816
University of Arizona	14262 10713	810 410	984 161	3973 296	605 344	45 8	3 24	293 273	1130 139	21	22105 12389
University of Arkansas	794	42	101	1	711	0	15	275	5	21	857
University of Arkansas at Monticello University of Arkansas at Pine Bluff	66	2189	7	9	2				10		2283
University of California- Berkeley	3692	217		1311	65	35	127	463	776		11866
University of California- Davis									46837		46837
University of California- Los Angeles									1739		1739
University of California- Riverside	177	71	614	219	4		23		16851		17959
University of California- Santa Cruz									3198		3198
University of Central Missouri	470	5	0	1	2	1	0	1	494	0	974
University of Connecticut University of Delaware	7908 4627	445 218	598 110	589 260	36 16	12 4	9 56	80 36	1376 97	35 27	11088 5451
University of Florida	21736	3017	2973	4207	235	5	275	556	702	21	33706
University of Georgia	11991	820	510	318	35		113	189	334	73	14383
University of Guam	62	6	1969	8	11	359		16	58	2.0	2489
University of Hawaii at Hilo University of Hawaii at Manoa	115 1198	2 53	68 2498	8 77	2 22	106 767	416	150	1092 112	29 219	1422 5512
University of Idaho	3980	19	76	255	43	7	98	98	7102	519	11678
University of Illinois at Urbana-Champaign	16385	911	1481	988	34			866	637		21302
University of Kentucky	16961	1481	288	218	31	2	33	171	430	48	19663
University of Louisiana at Lafayette	1383	97							76		1556
University of Louisiana at Monroe	161	5		1				1	208		376
University of Maine	11520	128	219	194	196	5	938	195	(0)	<u> </u>	13395
University of Maryland University of Maryland Eastern Shore	5702 243	789 2072	850 6	511 21	35 1	28	3 9	271 12	683 594	62 19	8934 2977
University of Maryland Eastern Shore University of Massachusetts	2921	112	206	90	12	6	126	11	9775		13259
University of Minnesota- Crookston									5368		5368
University of Minnesota- St. Paul	13683	350	738	252	144	24	13	418	564	0	16186
University of Missouri	17971	958	403	310	115	1	37	273	387	83	20538
University of Nebraska- Kearney	294	105	1	0.0	5.6	2	0.5	10-	220		515
University of Nebraska- Lincoln	13877 5415	128	210 885	295 687	58 101	9	25 46	196	31 544	98	14829 8132
University of Nevada- Reno University of New Hampshire	5415 2285	200 8	885 49	687 29	2	12 0	46 0	144 22	544 10981	90	8132 13376
University of New Hampshile University of Puerto Rico - Mayaguez		-		8771	-	-		3	8		8782
University of Patento Rico - Mayaguez University of Tennessee	7475	409	57	103	22	1	22	25	187	60	8361
University of Tennessee- Martin								72	5935		6007
University of Vermont	5775	73	153	127	22	1	81	42	685	19	6978
University of Wisconsin- Madison	19711	546 12	1776	659	187	22	1	1330	3336		27568
University of Wisconsin- Platteville	5428	12	7	38	16	0	25	1 1	5	10	5531
University of Wisconsin- River Falls	12078	44	70	44	49	0	24	11	308	16	12644
University of Wisconsin- Stevens Point	12570	28	49	123	99	1	19	107	263	46	13305
University of Wyoming	5947	30	56	208	61	1	96	125	292	32	6848

	Caucasian	African- Am	Asian	Hispanic	Native Am.	Native Hawaiian	•		Unknown	2 or More Races	Total
Institution											
University of the District of Columbia	39	100	5	16			2	2	118		282
University of the Virgin Islands	1	295	2	18					3212		3528
Utah State University	8005	46	95	231	57	5	223	127	149	24	8962
Vermont Technical College	181										181
Virginia Polytechnic Institute and State University	16317	638	1367	487	50	11	124	210	1226	161	20591
Virginia State University	85	1799	4	13	7				102		2010
Washington State University	10508	193	516	515	128	34	100	397	2350	53	14794
West Texas A & M University	3619	25	5	274	111	3		44	21	18	4120
West Virginia State University	1126	255	17	13	3	0	24		157	9	1604
West Virginia University	13743	54	24	32	26	12	1023	124	7		15045
Western Illinois University	2480	9	1	3	1				366	1	2861
Western Kentucky University	1129	14						2	2578	12	3735
Total	780371	67739	45143	65683	8747	2028	11293	15697	222054	2901	1221656