Number 65

Oak Ridge Institute for Science and Education

2009

SURVEY UNIVERSE

The survey includes degrees granted between September 1, 2007 and August 31, 2008. Enrollment information refers to the fall term 2008. Twenty-six academic programs were included in the survey universe, and all 26 programs provided data.

DEGREE DATA

Bachelor's Degrees. The number of B.S. degrees granted in 2008 decreased slightly from 2007, but continued the trend of 70 to 80 degrees granted per year since 2005. (See Table 1.) The current number of B.S. degrees is still approximately 25% below the number of B.S. degrees reported in the mid-1990s. Health physics programs accounted for 75% of all B.S. degrees. (See Table 2.)

Graduate Degrees. The number of master's degrees granted in 2008 was 18% higher than in 2007, and the highest reported since 1999. In contrast, the number of doctorate degrees granted was the lowest reported since the survey began over 40 years ago. (See Table 1.) Eight universities reported decreases in the number of Ph.D.s in 2008 compared to 2007. Given the continued growth in graduate student enrollments and the high number of Ph.D. degrees granted in 2007, this low number for 2008 is likely to be a one-year occurrence. Health physics programs accounted for 60% of the master's degrees and 75% of the doctorate degrees. (See Table 2.)

Table 1. Health Physics Degrees, 1999-2008

	Degrees		
Year	B.S.	M.S.	Ph.D.
2008	73	108	8
2007	79	91	28
2006	71	90	12
2005	78	77	14
2004	54	64	14
2003	56	73	25
2002	41	76	20
2001	37	71	23
2000	33	79	24
1999	55	115	22

Table 2. Health Physics Degrees by Curriculum, 2008

Curriculum	B.S.	M.S.	Ph.D.
Health Physics Program	55	64	6
Medical Health Physics	9	35	2
Other Health Physics Option	9	9	0

ENROLLMENTS AND SHORT-TERM OUTLOOK FOR DEGREE TRENDS

Undergraduate Students. In 2008, the reported enrollment of junior and senior undergraduate students was approximately 225, a decrease of 10% from 2007. The 2008 enrollment was still double the undergraduate student enrollments reported at the turn of the century. This is the first decrease in reported undergraduate enrollments in six years. The leveling off in undergraduate enrollments indicates that the number of B.S. degrees is likely to remain in the 70 to 80 range for the next two years.

Graduate Students. Graduate enrollment in 2008 was approximately 425 students, a decrease of 4% from 2007. This decrease follows five years of increases in graduate student enrollments. The graduate enrollments are about one-half the annual number of graduate students reported during the mid 1990s. The number of graduate degrees is likely to continue to increase even with the slight decline in graduate enrollments in 2008. During the preceding five years graduate enrollments increased 20 percent and most of these students are still in the pipeline. The number of M.S. degrees should continue to increase for at least the next two or three years by 10% to 20%, and the number of doctorate degrees should rebound during the next several years.

EMPLOYMENT OR OTHER POST-GRADUATION STATUS

Data on employment/post-graduation status were not collected in 2007. Continued study is the largest post-degree activity for the B.S. and M.S. level graduates, and medical facilities continues to be a large employment source for M.S. graduates.

The 2008 and 2006 post-graduation distribution of employment and post-graduation plans are fairly similar within each of the degree levels. (See Table 3.) A notable exception is among the B.S. degree recipients, where, for the first time since the 1990s, several found employment in nuclear utilities and other nuclear-related businesses.

Table 3. Employment or Other Post-Graduation Plans, 2008

	B.S. degree	M.S. degree	Ph.D. degree
Continued Study	23	26	2
Academic Employment	4	2	3
Federal Government Employment	2	4	0
DOE Contractor Employment	3	5	0
State and Local Government Employment	0	2	0
Medical Facility Employment	0	21	2
Nuclear Utility Employment	8	4	0
Other Nuclear-Related Employment	6	4	0
Other Business Employment	2	8	0
Foreign (non-U.S.) Employment	0	1	0
U.S. Military, active duty	4	4	0
Other Employment	2	1	0
Still Seeking Employment	5	2	0
Unknown/Not reported	14	24	1
Totals	73	108	8

Table 4. Health Physics Degrees, 2008, by Academic Institution

(alphabetical by state and then university)

DegreesSept. 1, 2007 – Aug. 31, 2008

StateName of InstitutionB.S.M.S.PICASan Diego State University03COColorado State University06DCGeorgetown University01FLUniversity of Florida61IDIdaho State University14ILIllinois Institute of Technology08INPurdue University1510LALouisiana State University04MAUniversity of Massachusetts, Lowell05MEUniversity of Maine00MIUniversity of Missouri - Columbia016NJThomas Edison State College80NMUniversity of New Mexico05NVUniversity of Nevada, Las Vegas14NYRensselaer Polytechnic Institute31OHUniversity of Cincinnati04OROregon State University1010PABloomsburg University of Pennsylvania60SCClemson University04SCFrancis Marion University04TNUniversity of Tennessee95TNVanderbilt University911TXUniversity of Texas00WAWashington State University, Tri-Cities13			Sept. 1,	Sept. 1, 2007 – Aug. 31, 2008	
CO Colorado State University DC Georgetown University FL University of Florida ID Idaho State University IL Illinois Institute of Technology IN Purdue University IA Louisiana State University IA Louisiana State University IA University of Massachusetts, Lowell IA University of Maine IA University of Michigan IA University of Missouri - Columbia IA University of New Mexico IA University of Output IA Univ	State	Name of Institution	B.S.	M.S.	Ph.D.
DC Georgetown University FL University of Florida ID Idaho State University II Illinois Institute of Technology IN Purdue University LA Louisiana State University MA University of Massachusetts, Lowell MB University of Massachusetts, Lowell MI University of Mine MI University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University TN University of Tennessee TN Vanderbilt University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities 1 3	CA	San Diego State University	0	3	0
FL University of Florida 6 1 ID Idaho State University 1 4 IL Illinois Institute of Technology 0 8 IN Purdue University 15 10 LA Louisiana State University 0 4 MA University of Massachusetts, Lowell 0 5 ME University of Maine 0 0 MI University of Michigan 0 1 MO University of Missouri - Columbia 0 16 NJ Thomas Edison State College 8 0 NM University of New Mexico 0 5 NV University of Nevada, Las Vegas 1 4 NY Rensselaer Polytechnic Institute 3 1 OH University of Cincinnati 0 4 OR Oregon State University 10 10 PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 10 10 SC Francis Marion University 10 10 TN University of Tennessee 9 5 TN Vanderbilt University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	CO	Colorado State University	0	6	0
ID Idaho State University IL Illinois Institute of Technology IN Purdue University LA Louisiana State University University of Massachusetts, Lowell MA University of Massachusetts, Lowell ME University of Michigan MI University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University SC Francis Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities	DC	Georgetown University	0	1	0
IL Illinois Institute of Technology IN Purdue University LA Louisiana State University MA University of Massachusetts, Lowell ME University of Massachusetts, Lowell MI University of Michigan MI University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University TN University of Tennessee P 5 TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities 1 3	FL	University of Florida	6	1	0
IN Purdue University LA Louisiana State University MA University of Massachusetts, Lowell ME University of Maine MI University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OH University of Pennsylvania SC Clemson University SC Francis Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities 1 1 3	ID	Idaho State University	1	4	2
LA Louisiana State University MA University of Massachusetts, Lowell ME University of Maine University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities 1 3 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7	IL	Illinois Institute of Technology	0	8	0
MA University of Massachusetts, Lowell ME University of Maine University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University SC Francis Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University WA Washington State University, Tri-Cities 1 0 0 0 16 NJ 17 4 NJ 17 NJ 10 NJ 17 NJ 10 NJ	IN	Purdue University	15	10	1
ME University of Maine 0 0 1 MI University of Michigan 0 1 MO University of Missouri - Columbia 0 16 NJ Thomas Edison State College 8 0 NM University of New Mexico 0 5 NV University of Nevada, Las Vegas 1 4 NY Rensselaer Polytechnic Institute 3 1 OH University of Cincinnati 0 4 OR Oregon State University 10 10 PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	LA	Louisiana State University	0	4	0
MI University of Michigan MO University of Missouri - Columbia NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities O 16 16 17 18 18 19 10 10 10 10 10 10 10 10 10	MA	University of Massachusetts, Lowell	0	5	1
MO University of Missouri - Columbia 0 16 NJ Thomas Edison State College 8 0 NM University of New Mexico 0 5 NV University of Nevada, Las Vegas 1 4 NY Rensselaer Polytechnic Institute 3 1 OH University of Cincinnati 0 4 OR Oregon State University 10 10 PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 0 4 SC Francis Marion University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	ME	University of Maine	0	0	1
NJ Thomas Edison State College NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University OH University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas Washington State University, Tri-Cities NO 0	MI	University of Michigan	0	1	0
NM University of New Mexico NV University of Nevada, Las Vegas NY Rensselaer Polytechnic Institute OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University OH University of Tennessee OH UNIVERSITY OH UNIVER	MO	University of Missouri - Columbia	0	16	0
NV University of Nevada, Las Vegas 1 4 NY Rensselaer Polytechnic Institute 3 1 1 OH University of Cincinnati 0 4 OR Oregon State University 10 10 PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 0 4 SC Francis Marion University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	NJ	Thomas Edison State College	8	0	0
NY Rensselaer Polytechnic Institute 3 1 OH University of Cincinnati 0 4 OR Oregon State University 10 10 PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 0 4 SC Francis Marion University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	NM	University of New Mexico	0	5	0
OH University of Cincinnati OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University OFFRANCIS Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities OFFRANCIS Marion University OFFRANCI	NV	University of Nevada, Las Vegas	1	4	0
OR Oregon State University PA Bloomsburg University of Pennsylvania SC Clemson University O 4 SC Francis Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities 10 10 10 10 10 10 10 10 10 1	NY	Rensselaer Polytechnic Institute	3	1	1
PA Bloomsburg University of Pennsylvania 6 0 SC Clemson University 0 4 SC Francis Marion University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	ОН	University of Cincinnati	0	4	1
SC Clemson University SC Francis Marion University TN University of Tennessee TN Vanderbilt University TX Texas A&M University TX University of Texas WA Washington State University, Tri-Cities O 4 0 4 0 2 TX 0 0 0 11 13	OR	Oregon State University	10	10	0
SC Francis Marion University 4 0 TN University of Tennessee 9 5 TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	PA	Bloomsburg University of Pennsylvania	6	0	0
TN University of Tennessee 9 5 TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	SC	Clemson University	0	4	0
TN Vanderbilt University 0 2 TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	SC	Francis Marion University	4	0	0
TX Texas A&M University 9 11 TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	TN	University of Tennessee	9	5	1
TX University of Texas 0 0 WA Washington State University, Tri-Cities 1 3	TN	Vanderbilt University	0	2	0
WA Washington State University, Tri-Cities 1 3	TX	Texas A&M University	9	11	0
	TX	University of Texas	0	0	0
TOTALS: 73 108	WA	Washington State University, Tri-Cities	1	3	0
		TOTALS:	73	108	8

Prepared by: Analysis and Evaluation Group, Science Education Programs, Oak Ridge Institute for Science and Education, March 2009.

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