

# Health Physics Enrollments and Degrees Survey, 2002 Data

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## Survey Universe

The survey includes degrees granted between July 1, 2001 and June 30, 2002. Enrollment information refers to the fall term 2002. Thirty-six academic programs at 35 different institutions were in the survey universe and all responded (100% response rate). Several of these programs did not have any degrees awarded during the time period. Five programs included in the 2001 survey were either discontinued or out-of-scope and not included in 2002 survey.

## Degree Data

**Bachelor's Degrees.** The number of B.S. degrees granted in 2002 by all health physics, medical health physics, and other health physics option programs increased by 4 over 2001 as also occurred between 2000 and 2001. The number of B.S. degrees in 2002 was still 25% below the 1999 number. (See Table 1.) Health physics programs accounted for 78% of all B.S. degrees with most of the remaining 22% in health physics option programs. (See Table 2.)

**Graduate Degrees.** For all programs, comparing 2002 to 2001 data, the number of masters' degrees increased by 5 and the number of doctorate degrees decreased by 3. (See Table 1.) The number of masters' degrees in 2002 was 36% below the number in 1998. Health physics programs accounted for 74% of the masters' degrees and 55% of the doctorate degrees. The remaining were in medical health physics or health physics option programs. (See Table 2.)

**Table 1. Health Physics Degrees and Enrollments, 1998-2002**

Year	Degrees			Enrollments		
	B.S.	M.S.	Ph.D.	Junior & Senior Undergrad Students	Master's Graduate Students	PhD Graduate Students
2002	41	76	20	114	227	94
2001	37	71	23	117	207	123
2000	33	79	24	72	213	108
1999	55	115	22	82	273	123
1998	51	118	26	89	325	127

The data for 1998 to 2002 reflect the update of the survey universe of health physics programs in 2002. Some programs were found to be out-of-scope and were deleted from the survey universe and trend data.

**Table 2. Health Physics Degrees by Curriculum, 2002**

Curriculum:	B.S.	M.S.	Ph.D.
Health Physics Program	32	56	11
Medical Health Physics	1	16	2
Other Health Physics Option	8	4	7

## Enrollments and Short-Term Outlook for Degree Trends

The enrollment of junior and senior undergraduate students increased by over 60% between 2000 and 2001, and then remained relatively stable between 2001 and 2002. (See Table 1.) This indicates that the number of bachelor's degrees should continue to increase or at least remain stable over the next two years. The enrollment of masters' level graduate students increased approximately 10% in the fall 2002 after declining by one-third during the preceding four years. The recent enrollment increase suggests that the number of masters' degrees will also increase over the next two years. Between 1998 and 2002, doctorate level graduate enrollments have fluctuated up and down annually. Until a more definite pattern emerges, it seems likely that 20 to 25 doctorate degrees will continue to be awarded annually.

## Employment or Postgraduate Study Data

For the B.S. degree graduates, the most common post graduation activity was continued study (32%), while those with employment were scattered among several sectors. Less than 3% were still seeking employment at the time of the survey response. (See Table 3.)

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**Table 3. Employment or Postgraduate Study Information**

	B.S.	M.S.	Ph.D.
Continued study	13	12	1
Academic institution, U.S.	3	4	3
Federal government	2	5	1
DOE contractor	1	3	1
State and local government	3	1	0
Medical institution, U.S.	1	15	3
Nuclear utilities, U.S.	0	1	0
Other industry, U.S.	2	6	3
Foreign employment	0	1	0
U.S. military	3	4	1
Other employment	1	0	0
Seeking employment	1	1	2
Unknown and not reported	11	23	5
Totals	41	76	20

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For the M.S. degree graduates, the most common post graduation activities were U.S. medical institutions (20%) and continued study (16%). Less than 2% were still seeking employment at the time of the survey response.

For the Ph.D. degree graduates, the most common post graduation activities were U.S. academic institutions, U.S. medical institutions, and other U.S. industry (15% each).

## Foreign National Data

None of the B.S. degree recipients were non-U.S. citizens. Seventeen percent of the M.S. degree recipients and 25% of the Ph.D. degree recipients were non-U.S. citizens.

**Table 4. Health Physics Degrees, 2002, by Academic Institution**

					<u>Degrees, July 1, 2002 - June 30, 2002</u>		
<u>Health Physics Program</u>	<u>Medical Health Physics</u>	<u>Other H.P. Option</u>	<u>Name of Institution</u>	<u>State</u>	<u>B.S.</u>	<u>M.S.</u>	<u>Ph.D.</u>
X			San Diego State University	CA	0	4	0
X			Colorado State University	CO	0	1	2
X			Georgetown University	DC	0	0	0
X	X		University of Florida	FL	0	1	2
X			Georgia Institute of Technology	GA	0	15	0
X			Idaho State University	ID	5	1	1
	X		Illinois Institute of Technology	IL	0	2	0
	X		University of Illinois at Urbana-Champaign	IL	1	2	0
X			Purdue University	IN	2	2	0
	X		University of Kentucky Medical Center	KY	0	3	0
	X		Louisiana State University	LA	0	3	0
X			Massachusetts Institute of Technology	MA	0	1	1
X			University of Massachusetts, Lowell	MA	2	5	1
		X	University of Maine	ME	6	1	0
X	X		University of Michigan, Ann Arbor	MI	0	4	0
		X	University of Missouri - Rolla	MO	2	0	0
X	X		University of Missouri, Columbia	MO	0	5	0
X			Thomas Edison State College	NJ	10	0	0
X			University of New Mexico	NM	0	1	0
X			University of Nevada, Las Vegas	NV	1	1	0
X			Rensselaer Polytechnic Institute	NY	3	0	0
	X		Medical College of Ohio	OH	0	1	0
X			Ohio State University	OH	0	2	0
X	X		University of Cincinnati (Engineering)	OH	0	5	1
X			University of Cincinnati (Radiology)	OH	0	3	0
X			Oregon State University	OR	5	3	0
X			Bloomsburg University of Pennsylvania	PA	1	0	0
X			Dickinson College	PA	0	0	0
		X	University of Pittsburgh	PA	0	0	0
		X	Clemson University	SC	0	3	3
X			Francis Marion University	SC	0	2	0
X			University of Tennessee, Knoxville	TN	1	2	2
X			Texas A&M University, College Station	TX	2	1	2
X			University of Texas, Austin	TX	0	2	1
		X	University of Utah	UT	0	0	4
		X	Washington State University Tri-Cities	WA	0	0	0
<b>TOTALS:</b>					41	76	20
<b>By Curriculum:</b>							
Health Physics Program					32	56	11
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