



Status of Radiation Protection Educational Programs



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ESH-EMS-2008-00042

DOE Radiation Protection
EFCOG Subgroup
March 4, 2008

Radcon Staffing Challenges Facing the Nuclear Industries

- **At the November 2007 Radcon EFCOG meeting, Greg Perkins gave a presentation titled “Radiation Protection Staffing – Are We Ready for the “Boomer” Retirements?”**
- **He cited six references in his paper, and concluded that the lack of adequate Radcon staffing is an ongoing concern, and that the issue will remain a continuing EFCOG topic.**

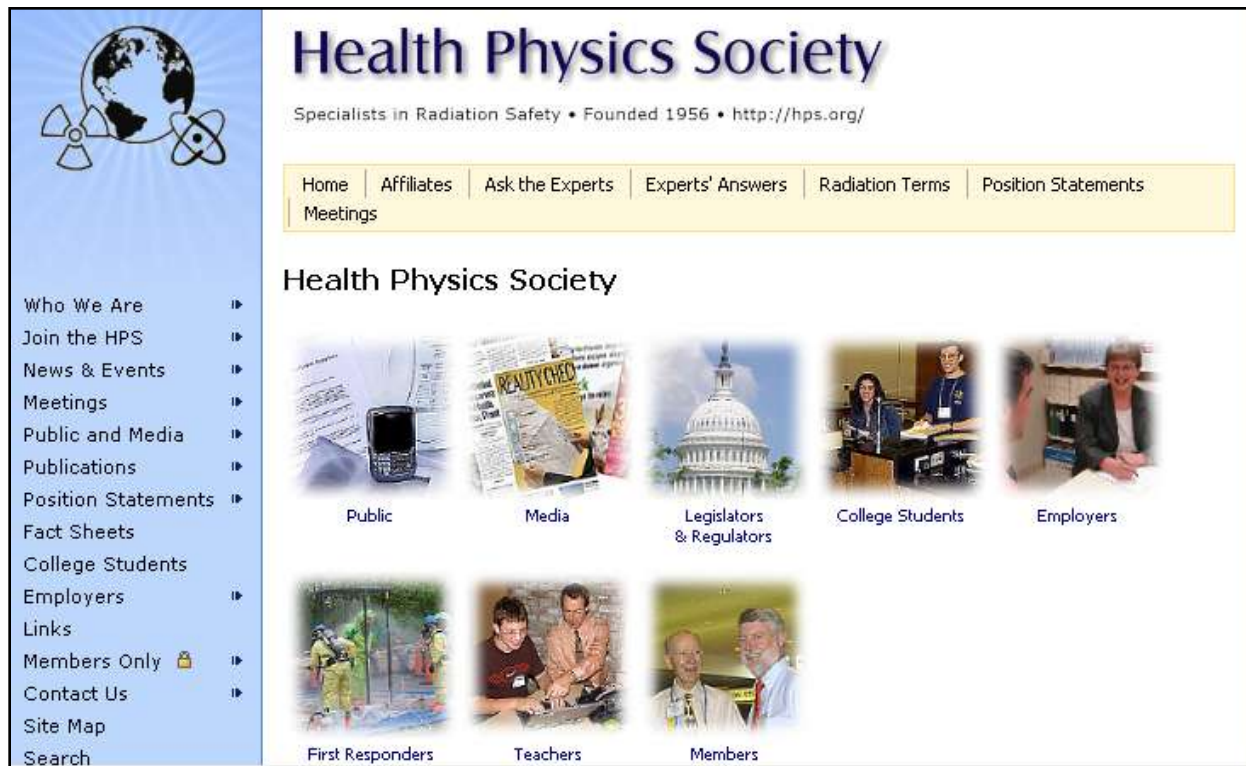
Radcon Staffing Challenges Facing the Nuclear Industries

- This provides some updated data published by the Health Physics Society Academic Education Committee in October 2007, and is referred to as the “Health Physics Education Reference Book.”
- According to this report, there are twenty-five colleges and universities offering some type of HP degree.
- The data indicates that as of the Fall 2007 semester, there are 681 students enrolled in the HP programs as follows:
Associate = 41, Bachelors = 243, Masters = 275, PhD = 122

Radcon Staffing Challenges Facing the Nuclear Industries

To access on the web:

1. Go to the HPS website www.hps.org



The screenshot shows the homepage of the Health Physics Society. On the left is a blue sidebar with a navigation menu. The main content area features the society's logo, name, and tagline, followed by a yellow navigation bar with links to Home, Affiliates, Ask the Experts, Experts' Answers, Radiation Terms, Position Statements, and Meetings. Below this is a section titled 'Health Physics Society' with a grid of ten images representing different target audiences: Public, Media, Legislators & Regulators, College Students, Employers, First Responders, Teachers, and Members.

Health Physics Society
Specialists in Radiation Safety • Founded 1956 • <http://hps.org/>

Home | Affiliates | Ask the Experts | Experts' Answers | Radiation Terms | Position Statements | Meetings

Health Physics Society

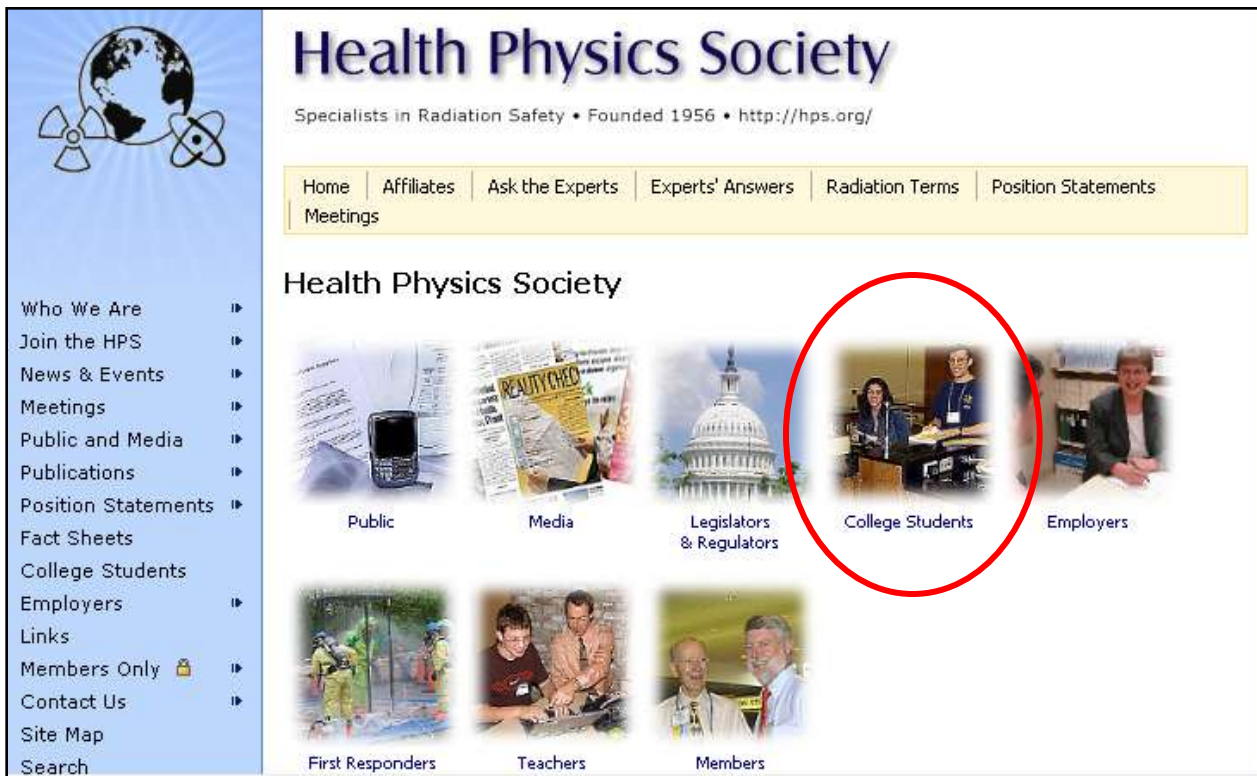
- Who We Are
- Join the HPS
- News & Events
- Meetings
- Public and Media
- Publications
- Position Statements
- Fact Sheets
- College Students
- Employers
- Links
- Members Only
- Contact Us
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- Search

Public | Media | Legislators & Regulators | College Students | Employers

First Responders | Teachers | Members

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2. On the HPS main page, there are eight sections – click on “College Students”



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Health Physics Society

- Public
- Media
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3. On the “College Students” main page, in Kevin Nelson’s (HPS President) welcome section, click on link titled “Health Physics Education Reference Book”.
4. The book is 76 pages long and contains details of each school’s HP educational programs.

College Student Opportunities and Information



Welcome from HPS
President Kevin Nelson



Welcome
to
the
College
Student
section
of
the

HPS Web site! This site
was established to

provide timely and valuable information for current and prospective health physics students. This is an exciting time if you are considering health physics as a career. The need for health physicists is expected to grow across many employment sectors including medical and power reactor health physics. One of the truly unique aspects of the health physics profession is the opportunity to change focus and employment sectors while still remaining a health physicist. I've been a health physicist for over 25 years and have had the opportunity to work in academia, private industry, state government, and medicine. The income for health physicists is very good and more detailed information can be found on the [Careers page](#) on this Web site. It all begins with a quality education at one of the many fine institutions that provide four-year and advanced health physics degrees. The names and locations of these programs, as well as some of the research conducted at these institutions, can be found in the [Health Physics Education Reference Book](#). More comprehensive information on the Society and its activities can be found on the front page of the Web site. If you have any questions, I'd love to hear from you at nelson.kevin2@mayo.edu.

Programs with Degrees or Options in HP

Programs	Location	Degrees Granted			
Bloomsburg	Pennsylvania		BS		
Clemson	South Carolina			MS	PhD
Colorado State	Colorado			MS	PhD
Duke	North Carolina			MS	
Francis Marion	South Carolina		BS		
Idaho State	Idaho	AA	BS	MS	PhD
Illinois Institute of Technology	Illinois			MS	
Linn State Technical College	Missouri	AA			
Louisiana State	Louisiana			MS	PhD
Ohio State	Ohio			MS	PhD
Oregon State	Oregon		BS	MS	PhD
Purdue	Indiana		BS	MS	PhD

Programs with Degrees or Options in HP

Programs	Location	Degrees Granted			
Rensselaer Polytechnic Institute	New York		BS	MS	PhD
San Diego State	California			MS	
Texas A & M	Texas		BS	MS	PhD
Texas State	Texas	AA			
Uniformed Services	Maryland			MS	PhD
University Of Cincinnati	Ohio			MS	PhD
University of Florida	Florida		BS	MS	PhD
University of Massachusetts Lowell	Massachusetts		BS	MS	PhD
University of Michigan	Michigan		BS	MS	PhD
University of Missouri-Columbia	Missouri			MS	PhD
University of Nevada Las Vegas	Nevada		BS	MS	
University of Tennessee	Tennessee		BS	MS	PhD
Vanderbilt University	Tennessee			MS	PhD

Schools with Associate Degree HP Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Idaho State	8	0	2
Linn State Technical College	28	14	6
Texas State	5	3	7
Totals	41	17	15

Schools with Bachelor of Science HP Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Bloomsburg	14	5	1
Francis Marion	18	3	1
Idaho State	5	2	2
Oregon State	33	7	6
Purdue University	73	18	26
Rensselaer Polytechnic Institute	20	5	5
Texas A & M	30	7	8
University of Florida	12	2	2
University of Massachusetts Lowell	11	2	2
University of Michigan	13	4	8
University of Nevada Las Vegas	4	2	2
University of Tennessee	10	10	10
Totals	243	67	73

Schools with Masters of Science HP Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Clemson	7	2	3
Colorado State	9	0	1
Duke University	0	1	0
Idaho State University	35	3	4
Illinois Institute of Technology	60	9	8
Louisiana State	0	0	0
Ohio State	3	0	2
Oregon State	22 MS 17 MHP	1 MS 0 MHP	7 MS 0 MHP
Purdue	5 MS 7MP	3	1
Rensselaer Polytechnic Institute	2	1	1
San Diego State University	12	4	6

Schools with Masters of Science HP Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Texas A & M	18	5	6
Uniformed Services University	1	3	0
University of Cincinnati	2	1	4
University of Florida	3	1	2
University of Massachusetts Lowell	25	7	9
University of Michigan	10	6	6
University of Missouri-Columbia	5	1	2
University of Nevada Las Vegas	16	4	4
University of Tennessee	15	3	4
Vanderbilt	1	1	0
Totals	275	56	70

Schools with PhD Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Clemson	4	0	2
Colorado State	2	1	0
Duke University	2	0	0
Idaho State University	12	2	0
Louisiana State	0	0	0
Ohio State	0	0	0
Oregon State	5	1	0
Purdue	2 HP 16 MP 2 RB	0	0
Rensselaer Polytechnic Institute	8	1	1
Texas A & M	13	2	0

Schools with PhD Programs

School	HP Enrollment (Fall 2007)	HP Grads (09/06 – 08/07)	HP Grads (09/05 – 08/06)
Uniformed Services University	1	0	0
University of Cincinnati	5	1	1
University of Florida	2	0	1
University of Massachusetts Lowell	22	0	3
University of Michigan	8	3	2
University of Missouri-Columbia	3	0	0
University of Tennessee	15	0	0
Vanderbilt	0	0	0
Totals	122	11	10

Conclusion

- **I mentioned at our November 2007 EFCOG meeting that I was working with Aiken Technical College (ATC) in Aiken, SC, to create a certificate and Associate Degree program in Radiation Protection.**
- **I will provide a status update as of 02/27/08, when the first formal ATC Radiation Protection Advisory Board Meeting was held.**
- **Group discussion on other activities throughout DOE complex.**

