

TWO YEAR SUMMARY FOR
CURRICULAR AND INSTRUCTIONAL ENHANCEMENT
OF THE M.S. IN RISK CONTROL

T01/CCT510461-07 THROUGH 08

Project Period: July 1, 2000 – June 30, 2002

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I. ABSTRACT

Curricular and Instructional Enhancement
Of the M.S. in Risk Control
T01/CCT510461-07
T01/CCT510461-08

Purpose and Program Characteristics

The Master of Science degree program in Safety was approved by the University of Wisconsin-System and implemented in the fall of 1974. In 1994 the name of the program was changed to Master of Science in Risk Control. Since 1974 the program has evolved to reflect the needs, expectations and challenges of the field of health, safety and environmental regulations. The risk control perspective requires students to be competent beyond safety regulatory compliance. The philosophy of risk control attempts to extend, elevate and integrate the technical areas of safety engineering, industrial hygiene and environmental regulations from operational levels to managerial concerns.

The program has produced 388 graduates since its inception, with recent enrollment generally between 30 to 40 students annually. Classes are offered both in the daytime and evenings to accommodate those already professionally employed.

Continuous improvement in the program has been achieved by focusing on teaching and applied problem solving/research. The internal based funding from the university for this program, the development of partnerships with outside publics, including NIOSH, and the commitment of the core and supporting faculty also contribute to this effort.

The purpose/objective of this program was to enhance the curriculum and instruction of the Master of Science Degree in Risk Control at the University of Wisconsin-Stout. The specific focus of the enhancement effort was in three areas: financial assistance in recruitment of qualified students, faculty teaching flexibility and development, and instructional support.

A. Trainees

Individuals with undergraduate degrees in Engineering, Technology, General Sciences, Chemistry, and Biological Science were recruited into the program. Individuals with demonstrated capabilities and proven interest in Industrial Hygiene/Environmental Regulations were eligible for support. Financial support was requested for 17 different students during the two year grant period. Financial support was in the area of stipends/scholarships and some associated travel for each of the proposed 2-year budget periods.

B. Training Facilities

The major training facility used was the University of Wisconsin-Stout campus consisting of classrooms, laboratories and support equipment located in Menomonie, Wisconsin. The College of Technology, Engineering, and Management at the University houses programs in Business, Manufacturing Engineering, Engineering Technology, Construction, Packaging, Graphic Communication Management, and Vocational and Technical Adult Education degree programs. The laboratory facilities, support staff and instructional resources for these programs provide superb support and opportunities for educational integration with the M.S. in Risk Control.

Local industrial facilities used for application exercises include Minnesota Mining and Manufacturing (3M) plant, Con Agra Grocery Products (Swiss Miss) plant, Phillips Plastics, and a variety of small/medium sized companies within the immediate surrounding area. Industrial facilities located in the Twin Cities of Minneapolis/St. Paul area (70 miles away) were utilized for additional fieldwork. Internship opportunities were facilitated by Risk Control faculty contact. Most of the internship opportunities were located in Minnesota and Wisconsin.

Summary of How Funds were appropriated

For the past two years the funds allocated by NIOSH to UW-Stout were used to operationally enhance our Masters degree in Risk Control. Scholarships/stipends were given in 28 \$2,000 awards to 17 different students. Two students with a construction background were each given an award in their final semester of the graduate program. Christopher Claggett and Kyle Krusick were Construction Risk Control Minor students whose continued interest in risk control lead them to the graduate program. Their exemplary scholastic performance as undergrad and grad students merited the awards.

During the past two year period there were 37 graduates from the M.S in Risk Control Program. Over 51 percent of the graduates were NIOSH scholarship recipients.

During the first year of the grant period there was no funding approved for a graduate assistant. However, in the second year the NIOSH grant approved funding for this position. (\$5,997 salary and \$1,200 fringe). The graduate assistantship was awarded to an out-of-state student, Jill Nelson. The University waives the out-of-state tuition fee for graduate assistants (those at least 1/3 time). Over the course of two semesters and the summer, this resulted in a savings of \$10,920 for Jill. This represents a tremendous tool for recruiting strong out-of-state students and is a classic case of partnering among NIOSH, UW-Stout and the citizens of Wisconsin.

II. SIGNIFICANT FINDINGS

The purpose the program focused on continued enhancement of the curriculum and instruction of the Master of Science degree in Risk Control at the University of Wisconsin-Stout. The specific focus of the enhancement effort was in three areas: financial assistance in recruitment of qualified students, faculty flexibility, and instructional support.

The goals of the program are:

1. To provide for student-trainee stipends to attract students with scientific and engineering-related background to the program.
2. To acquire faculty support for teaching flexibility as well as professional development.
3. To acquire instructional resources to enhance coursework, course delivery, and applied research.

Goal One - "To provide for student-trainee stipends to attract students with biological science, chemistry, and engineering-related backgrounds to the degree program."

Statistical data indicating scholarships given (NIOSH Scholarship Recipients), general enrollment, NIOSH graduation and general graduation (both part-time and full-time) follows.

Enrollment Data

Year	NIOSH Scholars	Total Enrolled	NIOSH Grads	Total Grads
2000-2001	10	37	9	18
2001-2002	10 *	42	10	19

3 scholars were carried over from year 1 to year 2

Scholarships/stipends were given in 28 \$2,000 awards to 17 different students in the amount of \$56,000. The maximum award possible was \$6,000 - \$2,000 per semester for three semesters (normal duration of the program).

The above enrollment data indicates 37 graduates from the MS in Risk Control Program during the past two years with 19 being NIOSH funded graduates. This amounts to 51.35 percent of the total graduates. This data infers that NIOSH funding used to recruit qualified students with an interest in industrial hygiene has achieved its goal in enhancing this area of the MS in Risk Control.

During the past two years the scholarships were awarded to five women , approximately 30 percent of the total awardees. One of the female scholarship recipients was a minority.

Goal Two – “Provide faculty support for teaching flexibility as well as professional development”.

Faculty support for teaching flexibility was provided as a result of the grant funding. Dr. John Olson (in Year 1) and Dr. Elbert Sorrell (in Year 2) were provided release time for the purpose of administering activities related to the grant. Dr. Brian Finder was partially funded to teach ergonomic instrumentation as a unit in our existing ergonomics course. A graduate assistant was funded to support faculty in various efforts related to teaching.

Also, as a result of the funded grant, three different faculty members attended several regional and national safety and health related conferences. Funding from the grant was used to partially defray the cost of participating in these professional development activities.

Goal Three – “Provide instructional resources to enhance coursework, course delivery, and applied research”.

Grant funding allowed for the acquisition of upgraded computers and printer for use in the student laboratory. Ergonomic and industrial hygiene supplies were purchased to replace a nearly depleted inventory. A camcorder and VCR were also purchased to provide students with the opportunity to perform hands-on ergonomic workstation analysis for development of realistic engineering/administrative controls. Funds were also used to purchase a zip drive, smart card reader, CD writer, and software – all used to enhance course delivery and applied research.

Employment

Data indicating employment of all students graduating within the two-year grant period is contained in Appendix C of the grant report.

Student Performance/Scholarships

UW-Stout M.S in Risk Control faculty and students continue their active participation and affiliation with the Semiconductor Environmental, Safety and Health Association. UW-Stout Risk Control students in general and NIOSH recipients in particular continue to submit proposals for the purpose of conducting applied research/problem solving related to the semiconductor industry. The following data illustrates the number of students to participate in the scholarship competition and those students who were NIOSH scholars. This performance demonstrates that NIOSH support continues to enhance curriculum and instruction in the Risk Control Program!

Semiconductor Environmental Safety and Health Association Performance Awards

YEAR	STUDENTS	TITLE OF RESEARCH	NIOSH SCHOLARSHIP RECIPIENT
2000-2001	Marie Alvarado	Study of Human Performance to Control Man-Robot Interface Losses during Maintenance Operations in the Semiconductor Industry.	*
“	Michael Barthen & Justin Tourdot	A Comparison of Carbon Dioxide Cleaning Processes to Wet-Cleaning Processes in Semiconductor Manufacturing Equipment.	*
“	Courtney Boyd	Hexafluorine Versus Calcium Gluconate in the Treatment of Hydrofluoric Acid Exposure.	*
“	Christopher Claggett & Kyle Krusick	Analysis of Expediting a Construction Project in the Semiconductor Industry and the Examination of the Associated Risk Control Requirements.	* *
“	Karen Levandoski	Transference of Semiconductor Chemicals Through Breast Milk	
“	Chad Phillips & Rob Storbakken	Analysis of Risks Associated with the Production of Gallium Arsenide Based Semiconductors.	* *
“	Jose Pumar	Analysis of Treatment Processes and Disposal of Organic Solvent and Acidic Waste Liquid in the Semiconductor Industry	
“	Matthew Sazama	An Analysis of Training Methods Used in the Semiconductor Industry.	*
“	Ricardo Vera	An Analysis of the Partnership Between the Environmental Management Systems (ISO 14000) and Quality Management Systems (ISO 9000)	
2001-2002	Joshua Alters	A Comparison of Calcium Gluconate and Zephiran® for the Treatment of Dermal Hydrofluoric Acid Exposure.	*
“	Stephanie Bostwick	Metall:X in the Treatment of Arsenic in Hazardous Wastewater from the Production of Gallium Arsenide Wafers.	*
“	Nicholas Flugaur	Adverse Physiological Effects of Ethylene Glycol Ethers on Workers in the Semiconductor Industry.	*
“	Brian Knutson	The Use of Carbon Dioxide-Based Supercritical Fluids as a Cost Effective and Environmentally Sound Alternative in the Photoresist Stripping Process.	*
“	Josette LaForte	The Vulnerability of Transporting Hazardous Chemicals Specific to the Semiconductor Industry.	*

Internships

All students admitted into the M.S. in Risk Control Program without work experience in the field of safety/risk control are advised into internships. The following illustrates student completing an internship during the two-year grant period.

INTERNSHIPS

YEAR	STUDENT	INTERNSHIP EMPLOYER	NIOSH AWARD RECIPIENT
2000-2001	Joshua Alters	Honeywell	*
"	Marie Alvarado	Delta Airlines	*
"	Patrick Banaszynski	Ed Kraemer & Sons	
"	Justin Gigstad	M.J. Electric	
"	Brian Knutson	Blandin Paper	*
"	Benjamin Kohlbeck	K.I. Furniture	*
"	Kevin Pistner	Menomonie Schools	
"	Matthew Sazama	International Paper	*
"	Rob Storbakken	Cummins	*
"	Jeffrey Stoskopf	3M	*
"	Michael Thrun	Delta Airlines	*
"	Dawn Tiffany	St. Paul Co.	
2001-2002	Stephanie Bostwick	Andersen Windows	*
"	Steven Falstad	Honeywell	
"	Kenneth Fern	International Paper	
"	Maria Lindblom	Kemper Insurance	
"	Jeremy Hansen	Eau Claire Fire Dept	
"	Josette LaForte	WRR Environmental	*
"	Jill Nelson	St. Paul Co.	Grad Assist
"	Jeffrey Nesbitt	Mayo Clinic	
"	Michael Pennock	3M	
"	Michael Sorensen	Leinenkugel Brewery	

III. REPORT/CONCLUSIONS

The purpose of this program was for continued enhancement of the curriculum and instruction of the Master of Science degree in Risk Control at the University of Wisconsin-Stout. The specific focus of the enhancement effort is in three areas: financial assistance in recruitment of qualified students, faculty development, and instructional support.

The objectives of the program are:

1. To provide for student-trainee scholarship stipends to attract students with scientific and engineering-related educational preparation.

Clearly, there is an established need and opportunity for people with the physical science background to fill the continued regulatory and job expectations, as well as abate the extreme human and financial costs associated with workplace injuries, illnesses and fatalities. The stipends enhance the quality of the programs' graduates, and ultimately, contribute to the resolution of the multi-faceted problems surrounding safety sciences encountered in the workplace.

2. To acquire faculty support for teaching flexibility and funds to facilitate professional development.

These areas are critical to continuous improvement in both curriculum content as well as delivery capability.

3. To acquire instructional resources to enhance coursework, course delivery and applied research.

Continual change and development of software, training tapes, computer-assisted instructional aids require support to provide current experience and tools for both students and faculty.

Admission

To be admitted to this program with full status, the applicant must hold a bachelor's degree from an accredited college with an overall grade point of at least 3.0. In addition, the applicant must have appropriate academic preparation in a scientific, technical, and/or related area.

Professional, industrial/trade or educational experience is recommended prior to enrollment in the program.

A deficiency in these admission requirements does not preclude admission. It may require completion of additional undergraduate work and/or increase the amount of graduate credit required to earn the degree. An individual program of study is designed by the program director to accommodate the requirements of the profession and the interests of the student.

The program director and the faculty of the Risk Control Center are responsible for evaluation of

student's credentials to determine their eligibility. Admission for the fall semester is done continuously until May. Admission for the spring semester is done continuously until November.

Primary Evaluation Process

The primary processes used to evaluate the program include internal university program review and our Program Advisory Committee. Academic progress evaluation includes course grades, research evaluation, certifications of program completion, internship evaluations, and the following program specific processes: program application; applicant's goals; admissions interview; related work experience; program plan/degree candidacy; and intent to graduate.

Requirements

The requirements for this degree include: (a) completion of a minimum of 39 semester hours of graduate credit with an overall graduate grade point average of 3.0 or better; half of the credits must be in 700 level graduate courses; (b) approval for degree candidacy at the appropriate time.

Program Leadership and Faculty

The Master of Science Degree in Risk Control has a .25 FTE Program Director who is responsible for content delivery and maintenance of quality for the program. The position functions as an interdisciplinary liaison to various colleges, departments and personnel providing coursework and applied research assistance to program students. The program director works closely with core faculty members teaching discipline-related courses. Course content review, student selection, progress and prescriptive actions are done in close consort with them.

The program is assisted administratively by the UW- Stout Risk Control Center (Industrial Management Department) where the M.S. in Risk Control Program is physically housed.

The core program faculty (Sorrell, Finder, Ruenger) acts as a team handling daily operational functions, as well as program direction. Common integral actions include student advisement, student chapter/organization (ASSE, AIHA, SESHA) advisement, internship procurement, industry-academic interface, program advisory committee membership, and applied research thesis advisement. A unique characteristic of the faculty is that all have non-academic work experience in the various aspects of safety, health, and environmental risk control and have earned doctorates. As a result of the retirement of Dr. John Olson, the M.S. in Risk Control Program is operating without one full time faculty member. Adjunct faculty are covering classes normally taught by Dr. Olson. A search and screen committee has been assembled with intent to fill that position for fall semester 2003. The ideal candidate would have a doctoral degree, a CSP, practical work experience in the field of occupational safety and health and at least one degree in an engineering discipline.

Support faculty in the managerial and environmental areas (Coomer, Johnson, Kolb, Ondrus, Parsons, and Miller) provide a combination of academic, work and applied research experience to the degree program. Adjunct staff (Koerner, Jameson, and Senor) all have appropriate educational preparation and currently work in various safety and health related occupations.

Regular communication with the support/adjunct staff is facilitated by school council meetings, advisory board meetings, departmental meetings and personal contact. The table below indicates core, supporting and adjunct faculty, along with their specific areas of competence.

FACULTY		
MASTER OF SCIENCE IN RISK CONTROL		
CORE FACULTY	ASSIGNMENT	EXPERTISE
Elbert Sorrell, Ed.D.	100% 50%Teaching 50%Administration	Industrial Management, Risk Management, General Industry & Construction Hazard Recognition/Control
Brian Finder, D.I.T.	100% Teaching	Ergonomics, Ergonomic Instrumentation, CIH-Ergonomics, Traffic/Fleet Risk Control
Eugene Ruenger, Ph.D.	75% Teaching	Industrial Hygiene, Industrial Ventilation, CIH both Comprehensive & Analytical
SUPPORT FACULTY	ASSIGNMENT	EXPERTISE
Jerry Coomer, Ph.D.	100% Teaching	Organizational Leadership, Organizational Development
Sheryl Johnson, Ph.D.	100% Teaching	Organizational Leadership, Organizational Development, Systems Analysis & Design (Research Methods)
Karl Kolb, Ph.D.	100% Teaching	Organizational Leadership, Organizational Development, Systems Analysis & Design (Research Methods)
Martin Ondrus, Ph.D.	100% Teaching	Environmental Chemistry
Ann Parsons, Ph.D.	100% Teaching	Toxicology & Radiation Biology
Louis Miller, Ph.D.	100% Teaching	Toxicology & Radiation Biology
ADJUNCT FACULTY	ASSIGNMENT	EXPERTISE
Craig Jameson	As Needed	Risk Management, General Industry & Construction Hazard Recognition/Control
Lyle Koerner	As Needed	Fire Protection
Steven Senior	As Needed	Risk Management, General Industry & Construction Hazard Recognition/Control

The core faculty is fully committed to enhancing the M.S. in Risk Control Program at UW-Stout. This commitment is evidenced by the fact that all core faculty have earned doctoral degrees after securing employment in the program, and they continue to develop professionally. Collectively, the core faculty brings breadth and depth to the program. The collective knowledge base includes all disciplines contributing to safety sciences, including risk management. Faculty commitment is also indicated by their active involvement with the American Society of Safety Engineers, American Industrial Hygiene Association, Semiconductor Environmental Safety and Health Association and the National Safety Council.

The reputation and strength of the core faculty is strong in the immediate regional area primarily served (Wisconsin/Minnesota). The reputation is continuously enhanced as a result of core faculty involvement in local/regional safety and health related professional associations. Whenever opportunities present themselves the core faculty will participate in national safety and health professional development related activities.

Program Enhancement

Program enhancement was achieved through availability of training related expenses associated with the grant, particularly in the areas of personnel, services & supplies, staff travel and instructional materials. With these funds, two computers (CPU'S only) and a laser jet printer were purchased for program student use in the Risk Control Laboratory. Students really appreciate having up-to-date computers readily available. Because the Risk Control Lab was provided with \$25,000 from the State of Wisconsin, items we intended to purchase with year 2 NIOSH dollars were purchased with these funds. This freed up budgeted dollars to purchase subscriptions, ergonomic lab supplies, industrial hygiene lab supplies, a jog shuttle VCR, a camcorder, software, site license for CSP exam, and other miscellaneous needs/repairs. The lab mod funds from the State updated our Risk Control Classroom with new tables, chairs, and carpeting and will also provide additional computer workspaces in the lab. All of these items have a direct/positive impact related to program enhancement.

During the two year grant period, faculty spent NIOSH grant funds in travel expenses. These funds assisted Dr. Olson in attending a semiconductor conference, Dr. Sorrell in attending two semiconductor conferences, an AIHA conference (where he presented a paper), a NORA symposium, and an ASSE conference, and Dr. Finder with two AIHA conferences. Attending and participating in national conferences is believed to have a positive impact on enhancing and advancing the reputation of the M.S. in Risk Control Program at the University of Wisconsin-Stout.

Final Comments/Conclusions

During the past two years, NIOSH has supported enhancement of the Masters degree in Risk Control. This effort has collectively led to an extremely effective partnership between UW-Stout and NIOSH. The effectiveness of the relationship is demonstrated by the ongoing accomplishment of the goals of this grant. The University of Wisconsin-Stout in general and the Masters degree in Risk Control in particular look forward in continuing our partnership with the National Institute for Occupational Safety and Health.

APPENDIX 1

APPENDIX B

Annual Statistical Report - Part I
Academic Training Data
for
Academic Year (9-1-00 to 8-31-01)

Grantee Institution: University of Wisconsin-Stout Academic Program Title: M.S. in Risk Control
Program Director: Elbert Sorrell Grant Number: T01/CCT510461

Please provide the following information for each NIOSH approved academic program as indicated.

1. What kind of degrees are awarded, e.g., Associate, Baccalaureate, Masters, Doctorate?

Masters

How does the degree read? (e.g., M.S. in Occupational Safety)

M.S. in Risk Control

2. For the period September 1, 2000 through August 31, 2001, indicate the following:
- Total full-time students enrolled in program
 - Total full-time NIOSH-supported students
 - Total part-time students enrolled in program
 - Total part-time NIOSH supported students
 - Other students taking Occupational Safety and Health courses (does not include students in any of the above categories)
3. Total number of students graduated from the core program for the period September 1, 2000 through August 31, 2001. Also complete Appendix C for all the graduated students for the above period.
4. For the period September 1, 2001 through August 31, 2002, please estimate the following:
- Total full-time students enrolled in program
 - Total full-time NIOSH-supported students
 - Total part-time students enrolled in the program
 - Total part-time NIOSH-supported students
 - Other students taking OS&H courses (does not include students in any of the above categories)
 - Total number of graduates from program

	A*	B*	C*	D*	E*
		23			
		10			
		14			
		0			
	464				
		18			
		23			
		11			
		15			
		0			
	450				
		18			

- * A = Baccalaureate/associate degree
B = Master's degree (In the case of Occupational Medicine programs, include OM residents and other physicians in the NIOSH approved degree program.)
C = Doctorate degree
D = Post-doctoral (Include only formally registered Occupational Medicine residents in all years of the residency. It is understood that there may be double-counting between Columns B and D.)
E = Other (specify, e.g., undergraduate Certificate program trainees)

APPENDIX C

NIOSH TRAINING GRANT PROGRAM GRADUATES

Academic Year 9/1/00 to 8/31/01

02/08/01

University of Wisconsin-Stout

M.S. in Risk Control

GRANTEE INSTITUTION:

ACADEMIC PROGRAM:

Name #	Date Entered Program (MO./YR.)	Date Degree Awarded## (MO./YR.)	Degree Awarded ### (e.g., MS/IH) M.S. Risk Control	Date of Certificate of Completion ** (MO./YR.)	Current Employment Status (Job title/employer)	Current Business Address (Or last known address)
Barthen, Michael	1/98	5/01	"	N/A	Safety Consultant	Xcel Energy Eau Claire, WI
Boyd, Courtney	1/00	5/01	"	N/A	Tech Services Consultant	St. Paul Companies St. Paul, MN
* Christianson, Ken	1/95	8/00	"	N/A	Safety Engineer	3M
Clements, Lauri	1/99	5/01	"	N/A	Public Health Prog Mgr	Menomonee, WI Trempealeau County Health Whitehall, WI
* Dillon, Cassandra	9/97	8/00	"	N/A	Engineering Safety Dept	Federal Express Memphis, TN
* Gareau, Patrick	9/99	5/01	"	N/A	IH/Fire Prev Specialist	H&H Safety Vancouver, WA
Hallquist, Carrie	1/94	12/00	"	N/A	Safety Manager	Hutchinson Technology Eau Claire, WI
Hanson, Ryan	1/00	5/01	"	N/A	Safety Coordinator	TIC (The Industrial Co) Steamboat Springs, CO
* Keyes, Jeffrey	9/94	8/01	"	N/A	Safety Engineer	3M
Krusick, Kyle	1/00	5/01	"	N/A	Safety Engineer	Menomonee, WI
* Lor, Chou	1/98	12/00	"	N/A	Safety Coordinator	Lunda Construction Appleton, WI
Phillips, Chad	1/00	5/01	"	N/A	Safety Intern	Rockwell International Eau Claire, WI
* Ruman, Jonathan	1/00	8/01	"	N/A	Corp Safety Investigator	3M
Schon, Trent	1/99	12/00	"	N/A	Safety Investigator	St. Paul, MN Delta Airlines Atlanta, GA
* Schultz, James	9/96	12/00	"	N/A	Safety/Environ Engineer	Intel Corporation Colorado Springs, CO
* Tourdot, Justin	1/00	5/01	"	N/A	Risk Control Director	Spectra Alloys Rosemount, MN
* Triana, Guillermo	6/99	1/01	"	N/A	Safety Coordinator	TIC
Wertel, Scotty	9/98	5/01	"	N/A	Environ Project Mgr	Steamboat Springs, CO
					Safety Compliance Tech	Oil Tanking Houston, TX Anderson Windows Bayport, MN

NOTE: Please only report data for the time period specified above and do not eliminate any of the columns.

= Please specify by asterisk those Program graduates that did not receive NIOSH financial support.

= Report only degrees awarded at your institution.

= Please also specify specialty area as noted on degree.

** = This column should be used only for Occupational Medicine residency graduates and other Certificate program graduates to specify issuance dates of certificates of completion of residency or other specified programs.

APPENDIX 2

APPENDIX B

Annual Statistical Report - Part I
Academic Training Data
for
Academic Year (9-1-01 to 8-31-02)

Grantee Institution: University of WI-Stout Academic Program Title: M.S. in Risk Control

Program Director: Elbert Sorrell, Ed.D. Grant Number: T01/CCT510461

Please provide the following information for each NIOSH approved academic program as indicated.

1. What kind of degrees are awarded, e.g., Associate, Baccalaureate, Masters, Doctorate?

Masters

How does the degree read? (e.g., M.S. in Occupational Safety)

M.S. in Risk Control

2. For the period September 1, 2001 through August 31, 2002, indicate the following:

- a. Total full-time students enrolled in program
b. Total full-time NIOSH-supported students
c. Total part-time students enrolled in program
d. Total part-time NIOSH-supported students
e. Other students taking Occupational Safety and Health courses (does not include students in any of the above categories)

	A*	B*	C*	D*	E*
		23			
		10			
		19			
		0			
	439				
		19			
		17			
		10			
		12			
		0			
	450				
		15			

3. Total number of students graduated from the core program for the period September 1, 2001 through August 31, 2002. Also complete Appendix C for all the graduated students for the above period.

4. For the period September 1, 2002 through August 31, 2003, please estimate the following:

- a. Total full-time students enrolled in program
b. Total full-time NIOSH-supported students
c. Total part-time students enrolled in the program
d. Total part-time NIOSH-supported students
e. Other students taking OS&H courses (does not include students in any of the above categories)
f. Total number of graduates from program

- * A = Baccalaureate/associate degree
B = Master's degree (In the case of Occupational Medicine programs, include OM residents and other physicians in the NIOSH approved degree program.)
C = Doctorate degree
D = Post-doctoral (Include only formally registered Occupational Medicine residents in all years of the residency. It is understood that there may be double-counting between Columns B and D.)
E = Other (specify, e.g., undergraduate Certificate program trainees)

APPENDIX C
 NIOSH TRAINING GRANT PROGRAM GRADUATES
 Academic Year 9/1/01 to 8/31/02

03/19/02

GRANTEE INSTITUTION: University of Wisconsin-Stout

ACADEMIC PROGRAM: M.S. in Risk Control

Name #	Date Entered Program (MO./YR.)	Date Degree Awarded## (MO./YR.)	Degree Awarded ### (e.g., MS/IH)	Date of Certificate of Completion ** (MO./YR.)	Current Employment Status (Job title/employer)	Current Business Address (Or last known address)
* Eckel, Paul	1/95	12/01	M.S. Risk Control	N/A	Manufacturing Engineer	SGI Chippewa Falls, WI
* Herubin, Robert	9/97	12/01	"	N/A	Sr Hydrogeologist/Ind Hygienist	NRP Environ Consultants Green Bay, WI
Luloff, Clynda	1/98	12/01	"	N/A	Domestic Wastewater Permitter	Alaska Dept Environ Conservation Juneau, AK
* Sazama, Matthew	9/00	12/01	"	N/A	Loss Prevention Consultant	Wausau Insurance Co Wausau, WI
* Gono, Charles	9/96	1/02	"	N/A	Safety/Environmental Manager	HydroHoist Int'l Claremore, OK 74018
* Adams, Randy	1/99	5/02	"	N/A	Chiropractor	Adams Chiropractic Clinic Chippewa Falls, WI
Alvarado, Marie	9/00	5/02	"	N/A	Project Manager	EnviroTest Houston, TX
* Knutson, Brian	1/01	5/02	"	N/A	Safety Risk Control Manager	Wenzel Mechanical Eagan, MN
* Kohlbeck, Benjamin	1/01	5/02	"	N/A	Safety Director	Genz Ryan Rosemount, MN
* Levandoski, Karen	1/99	5/02	"	N/A	Case Manager	Kemper Insurance Ft. Lauderdale, FL
* Paulson, Mark	9/00	5/02	"	N/A	Safety Coordinator	TIC Steamboat Springs, CO
* Rode, Lori	9/97	5/02	"	N/A	Technical Claims Specialist	Wausau Insurance Co Wausau, WI
* Storbakken, Rob	9/00	5/02	"	N/A	Risk Engineer	Cummins Power Generation Minneapolis, MN
* Stoskopf, Jeff	9/00	5/02	"	N/A	Safety Consultant	Midwest Safety Counselors, Inc Hastings, MN 55033
* Thrun, Michael	1/01	5/02	"	N/A	Safety Engineer	3M St. Paul, MN
* Wendt, Michael	1/97	5/02	"	N/A	Environmental Safety Engineer	3M St. Paul, MN
* Anderson, Matthew	9/96	8/02	"	N/A	Loss Control Supervisor	Menomonee, WI Polaris Industries Osceola, WI
* Claggett, Christopher	9/00	8/02	"	N/A	Safety Engineer	Edward Kraemer & Sons Plain, WI
* Warch, Sarah	9/94	8/02	"	N/A	Manager Employee Safety	UnitedHealth Group Minnetonka, MN

NOTE: Please only report data for the time period specified above and do not eliminate any of the columns.

= Please specify by asterisk those Program graduates that did **not** receive NIOSH financial support.

= Report only degrees awarded at **YOUR** institution.

= Please also specify specialty area as noted on degree.

** = This column should be used **only** for Occupational Medicine residency graduates and other Certificate program graduates to specify issuance dates of certificates of completion of residency or other specified programs.

GRANTEE INSTITUTION: UNIVERSITY OF WISCONSIN-STOUT

Program Area	Number of Courses	Total Trainees	Total Pers-Days	TRAINEES BY DISCIPLINE							TRAINEES BY EMPLOYER							
				MD	NURS	HYG	SFY	OTHER	Private Industry	Fed Gov	State Gov	Local Gov	Foreign Country	Academic	Other			
Industrial Hygiene																		
Occupational Health Nursing																		
Occupational Medicine																		
Occupational Safety																		
Hazardous Substance Training																		
Agricultural Safety & Health																		
Other (e.g., Toxicology, Epidemiology, Ergonomics, Biostatistics, Special Topics)																		
GRAND TOTAL																		

NOTE: Please do not eliminate any of the columns.