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REQUEST FOR FUNDS:
REGIONAL CYBER SECURITY TRAINING PROGRAM

ORGANIZATION: The Department of Mathematics, Statistics and Computer Science is developing a concentration within its Applied Mathematics and Computer Science program. The applied learning focus provides UW-Stout graduates with careers as programmers, systems analysts and software engineers. The program has a long history of applied learning working in conjunction with business and industry. The Department is developing a concentration in the specialized field of information assurances and cyber security.

DESCRIPTION: The Cyber Security concentration will develop skills and knowledge for undergraduate students to meet the needs of the cyber security field. The training will include the areas of computer and network security, cryptography, and information assurance. The applied learning and training provided will allow UW-Stout students to graduate with a degree in Applied Mathematics and Computer Science Program with an information assurances concentration. Further development of the program may result in a Regional Applied Cyber Security Center. The initiative will include:

- Training in cyber security and information assurances
- Cyber security lab development
- Applied learning and research with government, business and industry
- Course development for undergraduate students
- Degree completion for technical school graduates

TIMELINE: The Cyber Security Training program will request funding in FY 2007. Start-up Phase: January-May. Course implementation phase: June-October. Preliminary outcomes: November-December

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PROPOSED FUNDING:

YEARS	AGENCY	AMOUNT OF FUNDS
FEBRUARY 2006	NATIONAL SCIENCE FOUNDATION	UNDER REVIEW
	FEDERAL CYBER SERVICES	

BUDGET:

Costs in FY 2007

Network Computer Lab	\$200,000
Regional Training Conferences	\$50,000
Course Development and Implementation	\$40,000
Total Cost for FY 2007	\$290,000
<u>Federal Funding Requested in FY 2007</u>	<u>\$290,000</u>

SIGNIFICANCE:

As illustrated by the recruiting done by the FBI in the Minneapolis, Minnesota area in January 2006, there is a great demand for individuals trained in the cyber security area for National Security. There is also a high demand for individuals in this area to protect the networks developed by business and industry. The recommendations outlined in the Report to the President February 2005 Cyber Security: A Crisis of Prioritization http://www.nitrd.gov/pitac/reports/20050301_cybersecurity/cybersecurity.pdf submitted by the President's Information Technology Advisory Committee include efforts to increase research at universities and in the civilian research sector and develop technology transfer partnerships with the private sector. UW-Stout is well positioned to help fill these needs with its history of applied learning; business and industry partnerships; and degree completion efforts with area technical colleges. The goals of the program would be the training of students to work in the cyber security profession and to conduct research.

CONTACTS WITH CONGRESS:

NONE TO DATE