

## GAIN MARKETABLE SKILLS

Upon successful completion of the program graduates will be able to:

- Apply the CIA triad security model to the everyday operation of a computer network.
- Support the overall information awareness program of their organization.
- Apply and enforce the rules directed by the Health Insurance Portability and Accountability Act as they relate to the transmission and storage of electronic medical records.
- Use industry standard tools and techniques in the prevention, detection and elimination of threats to computer networks.
- Conduct themselves in a responsible and professional manner in relationship to privacy and intellectual property rights, following their organizations ethical code of conduct.
- Sit for the following industry certifications: Cisco Certified Networking Associate (CCNA), Cisco Certified Networking Associate Security (CCNA Security), Committee on National Security Systems' CNSS 4011-16, CompTIA Net+, CompTIA Security +, CompTIA A+, CompTIA Advanced security Practitioner, and Microsoft Certified IT Professional (MCITP) exams.



# Cybersecurity and Healthcare IT Certificate



# A unique educational opportunity

ARE YOU WONDERING WHERE THE JOBS WILL BE IN THE FUTURE?

The Cybersecurity and Healthcare IT Certificate Program meets the need for healthcare providers and associated businesses to be confident that every aspect of their operation is electronically secure. As the functions of healthcare are handled and stored using information technology, the need to build electronic and data transfer systems to support these functions, and to protect the information, has dramatically increased. With this shift, the vulnerability of healthcare records has

also increased through errors, acts of negligence and malice. The workforce responsible for this electronic information must be skilled in assuring confidentiality, integrity and the availability of IT systems and networks. This unique program focuses on the integration of technology with the needs of healthcare. At present, programs that provide Cybersecurity training are not widely available, and the concentration on healthcare is a unique aspect of this program.



## COURSE OFFERINGS

- PRINCIPLES OF INFORMATION ASSURANCE
- NETWORK SECURITY
- TOPICS IN HEALTHCARE IT
- ENTERPRISE SECURITY MANAGEMENT
- SECURE ELECTRONIC COMMERCE
- DIGITAL FORENSICS
- IT ETHICS
- FUNDAMENTALS OF COMPUTER NETWORKING

# hands on training for the skills you need

## DARTMOUTH AND THE I3P CONSORTIUM

Dartmouth College's Institute for Information Infrastructure Protection (I3P), a national consortium of leading universities, national laboratories, and nonprofit institutions dedicated to strengthening U.S. cyber infrastructure, is a lead contributor to the Cybersecurity and Healthcare IT Certificate curriculum. The I3P leverages the breadth and depth of expertise within the consortium to:

- Promote innovative approaches to hard problems in cybersecurity
- Sponsor peer-reviewed research on critical topics
- Gather data and provide analysis to support decision making by businesses and government agencies
- Inform business, industry, and government stakeholders of research findings
- Transfer security tools and solutions to end users
- Provide a long-term perspective on cybersecurity needs and vulnerabilities
- Educate the next generation of cybersecurity experts

## NATIONAL SCIENCE FOUNDATION

The development of the Cybersecurity and Healthcare IT program was funded by a National Science Foundation Advanced Technology Education



(ATE) grant. With an emphasis on two-year colleges, the ATE program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic

institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities.



## WHY RIVER VALLEY COMMUNITY COLLEGE?

- Small class sizes
- Financial Aid
- Open Admissions
- Transferability
- Flexible Schedules
- Affordable Tuition
- Tutoring
- Close to home



## ACCREDITATION

River Valley Community College is accredited by the New England Association of Schools and Colleges, Inc. (NEASC) through its Commission on Institutions of Higher Education



## PREPARE FOR JOBS SUCH AS:

- Information Assurance Specialists
- Network Security Specialists
- Security Specialists in a hospital or clinic
- Healthcare IT Technicians

