

School (* NSA's Centers of Academic Excellence in Information Assurance Education)	Contact	Website	Research	Education
Air Force Institute of Technology (*)	Dr. Richard Raines Phone: (937) 255-6565 x4278 Email: Richard.Raines@afit.edu	http://www.afit.edu/ http://en.afit.edu/issa/default.htm	Center for INFOSEC Education & Research is presently conducting research in the following areas: Intrusion detection systems - wired and wireless, Computer and networks forensics, Multicast communications in dynamic satellite networks, IEEE 802.11 data stream characterization, Non-cooperative data mining, Diffused IR communications, Wireless LAN interference characterization, Bluetooth systems performance and vulnerabilities, Geolocation techniques for Internet users, Content-based routing in dynamic communication systems, Evolutionary algorithms for control and communications of swarms of nodes, Secure coding techniques, Steganography.	1) M.S. degree with a major in Information Assurance. 2) M.S. degree in Information Systems Management. 3) Certificate in Information Assurance.
Auburn University (*)	Dr. Drew Hamilton (334) 844-6360 Desk (334) 844-6300 Secretary Email: drew@drew-hamilton.com	http://www.eng.auburn.edu/css/research/research_groups/	Information Assurance Laboratory - Specific areas of concentration include: Endpoint vulnerabilities, network simulation to study the impact of worms on large-scale wide area networks, secure routing in ad hoc mobile networks, interoperability of networked systems, and software architectural design for interoperability.	IA related course: 6370 Computer and Network Security,
Capitol College (*)	301-369-2800 / 1-800-950-1992	http://www.capitol-college.edu/academics/grad/degree_overview.html	No information available.	1) Master of Science in Network Security. 2) Certificate in Security Management (Network System Security Concepts, Secure Information Transfer and Storage, Security Risk Management, Computer Forensics and Incident Handling). 3) Certificate in Network Protection (Malicious Software, Vulnerability Mitigation, Perimeter Protection, Internal Protection).
Carnegie Mellon University (*)	Dr. Don McGillen Phone: (412) 268-6755 E-mail: mcgillen@cmu.edu	http://www.ece.cmu.edu/c3s/contact/index.php	Center for Computer and Communications Security - Research areas: Available and Secure Computing Systems and Services; Available and Secure Network and Communication Infrastructure; Secure Access to Physical Devices, Systems and Spaces; Inference Control and Disclosure Limitation of Information.	1) Master of Science in Information Networking. 2) Master of Science in Information Security Technology and Management. 3) Software Engineering Institute offers CERT®-Certified Computer Security Incident Handler Certification with one selective in computer forensics, intrusion detection and analysis, or security audit and assessments.
Central Michigan University	Dr. Donald Marks Phone: (989) 774-3922 E-mail: donald.marks@cmich.edu	http://www.orsp.cmich.edu/SuSchlawards.htm	Department of Computer Science - Development of Forensic Cryptographic Capabilities and Tools for Law Enforcement.	No information available.
Champlain College	GARY KESSLER, Program Director 163 South Willard St. Burlington, VT 05401 Phone: 802-865-6460 E-mail: gary.kessler@champlain.edu	http://digitalforensics.champlain.edu/	No information available.	1) A.S. in Computer and Digital Forensics. 2) B.S. in Computer and Digital Forensics. 3) Professional Certificate in Computer and Digital Forensics.
Clover Park Technical College	Fred Ahrens at (253) 583-8745 or Jerilyn Hardaway at (253) 583-8709	http://www.cptc.ctc.edu/cptc/PAGES/AAT.html	No information available.	AAT degree in Computer & Information Systems Security.
CyberSecurity Institute	1-888-274-7720	http://www.cybersecurityinstitute.biz/	No information available.	CyberSecurity Forensic Analyst (CSFA)™ certification requires two core courses Introduction to Computer Forensics and Advanced Computer Forensics™.

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Dartmouth College	Institute for Security Technology Studies Phone (603) 646-0700 Fax (603) 646-0660 Email: info@ists.dartmouth.edu Institute for Information Infrastructure Protection Phone (603) 646-0787 Fax (603) 646-0660 Email: tcote@ists.dartmouth.edu	http://www.ists.dartmouth.edu/	Institute for Security Technology Studies 1) Core Research Programs: Information Infrastructure Security (Protection of digital information and networks), Cyber Forensic Tools (Software tools to combat software-enabled crime and terrorism), Technical Analysis & Technology Policy Studies (Data collection, analysis, and reporting on security technology issues), First Responder Technologies (Supporting the role of first responders to disaster events), Training & Education (Technology to test, train, and educate decision makers in counterterrorism). 2) Research Groups: Cybersecurity Research Group - digital forensics, system security, information protection, network analysis, scalable simulation, and infrastructure protection; Exercise and Scenario Development; Investigative Research for Infrastructure Assurance; Program on Counterterrorism Preparedness and Training; Technical Analysis Group; Weapons of Mass Destruction and Chem-Bio Counterterrorism Research.	Computer Security Institute provides courses on Internet Security Tools & Techniques, Intrusion Detection, Attacks and Countermeasures. Other courses like Practical Forensics: How to Manage IT Investigations, Technical Recovery of Electronic Evidence, How to Develop a Winning Security Architecture, Return on Investment for Information Security, How to Be an Effective Information Security Professional, How to Create and Sustain a Quality Security Awareness Program, Introduction to Computer and Network Security are offered.
Deakin University	Dr. Simon W. Lewis Phone: +61 3 522 71365 Email: swlewis@deakin.edu.au	http://agrippina.bcs.deakin.edu.au/bcs_courses/forensic/index.html	School of Biological and Chemical Sciences	Bachelor of Forensic Science.
Drexel University (*)	Dean: David E. Fenske (215) 895-2474	http://www.cis.drexel.edu/	College of Information Science and Technology	1) B.S. degree in Information Systems. 2) M.S. degree in Information Systems.
East Stroudsburg University (*)	Prof. Richard D. Amori Phone: 570-422-3779 (with voice mail) Email: Richard.Amori@po-box.esu.edu	http://www.esu.edu/cpsc/courses/sebs_req.htm	Department of Computer Science's Center for Secure Information Systems	B.S. degree in Computer Security.
Florida State University (*)	Yvo Desmedt (Director/Professor) Phone: +1 (850) 644-6410 E-mail: burmester@cs.fsu.edu	http://www.sait.fsu.edu/	Security and Assurance in Information Technology Laboratory - Some areas of current research include: Accountability, Ad hoc, Wireless Network Security, Intrusion Detection, Information Hiding, Tracing and Watermarking, Key Distribution, Key Escrow, Security Protocols, Survivable Computation, Threshold Cryptography	M.S. degree with Information Security Major, Fall 2001.
George Mason University (*)	Professor Sushil Jajodia, Director Center for Secure Information Systems (703) 993-1653 jajodia@gmu.edu	http://isise.gmu.edu/~csis/intro.html	Center for Secure Information Systems - Research projects: Auditing, Authorization Model for Relational Databases, Flexible Access Control Models and Mechanisms, Global States and Time in Distributed Systems, Inference and Aggregation, Integrity and Secrecy, Multilevel Transactions, MLS Relational Model, Replicated Databases, Secure Concurrency Control, Security in Object-Oriented Systems, Security and the World Wide Web, Secure Commit, Semantics-based Transaction Processing, Steganography and Digital Watermarking, Survivability and Information Warfare, Temporal Databases	1) Non-credit courses: Advances in Forensic Sciences and Futures in Forensic Science. 2) Network Security Certificate Program. 3) M.S. degree program in Information Security and Assurance. 4) Ph.D. Concentration in Information Security and Assurance. 5) M.S. in Computer Engineering with a concentration in Network and Systems Security.

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George Washington University (*)	Dr. Dan Ryan (phone: 443.994.3612; email: danryan@danjryan.com)	http://www.seas.gwu.edu/~infosec/	Research Institutes: Cyberspace Policy and Security Institute; Institute for Crisis, Disaster, and Risk Management; Institute for Reliability and Risk Analysis; Homeland Security.	1) Doctoral Research in Information Security and Assurance: Doctor of Science in Engineering Management, Doctor of Science in Computer Science, and Doctor of Science in Electrical Engineering. 2) Master's Degree Programs: Master of Science, Engineering Management (Information Security Management), Master of Science, Computer Science (Computer Security and Information Assurance), Master of Science, Electrical Engineering (Telecommunications Network Security), Master of Science, Engineering Management (Crisis, Emergency and Risk Management), Master of Arts, Criminal Justice (Security Management), Master of Arts, Telecommunications (National Security), and Master of Laws: Intellectual Property Law. 3) Graduate Certificate Programs: Information Security Management (EMSE), Computer Security and Information Assurance (CS), Computer Fraud Investigations (CCAS), Telecommunications and National Security (CCAS), and Crisis and Emergency Management (EMSE).
Georgia Institute of Technology (*)	Dr. Richard DeMillo Distinguished Professor of Computing, Imlay Dean of Computing, Director Georgia Tech Information Security Center rad@cc.gatech.edu, CCB 156, 404-894-4222	http://www.gtisc.gatech.edu/	College of Computing - Information Security Center	1) Certificate in Managing Information Security. 2) Masters Degree in Information Security.
Herkimer County Community College	(315) 866-0300 or 1-888-GO-4-HCCC	http://www.hccc.nctcnet.com/internetacademy/	No information available.	AAS degree in Criminal Justice: Security, Criminal Justice: Forensic Investigations, and Criminal Justice: Economic Crime.
Idaho State University (*)	Corey Schou, Ph.D Associate Dean of Information Systems CIS Department College of Business Idaho State University Campus Box 8020 Pocatello, ID 83209 Office: BA 509A Phone:(208)282-3194 Fax:(208)282-4367 e-mail: schocore@isu.edu	http://cob.isu.edu/Departments/CIS/	National Information Assurance Training and Education Center - Some areas of current research include: Forensics, Secure Programming, Biometrics	COMPUTER INFORMATION SYSTEMS PROGRAM: Students may shape their programs to meet their individual interests and career objectives by taking elective courses in the areas of: Information Assurance, Computer Languages, Decision Support Systems, Expert Systems in Business, Network and Communication Systems, and Business Systems Simulation.
Information Resources Management College (*)	Dr. Robert D. Childs Director, IRM College Phone: 202-685-3886 E-mail: Childs@ndu.edu	http://www.ndu.edu/irmc/	No information available.	Information Assurance Certificate Program

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Indiana University of Pennsylvania (*)	<p>Dr. William Oblitey Director 724-357-4491 telephone oblitey@iup.edu</p> <p>Dr. Mary Micco Co-director 724-357-2637 telephone micco@iup.edu</p> <p>Dr. Dennis Giever Co-director 724-357-2720 telephone dgiever@iup.edu</p>	http://www.iup.edu/infosecurity/	Information Assurance Education & Research Center- Research areas: Quantum Cryptography, Attitudes on Integrity Privacy Issues/Case law, Web security, Attack Tree Software, Network Security Metrics, Computer Crime, Secure System Simulation, Steganography	Interdisciplinary Minor in Information assurance
Iowa State University (*)	<p>Dr. Cliff Bergman Telephone: (515) 294-8137 E-mail: cbergman@iastate.edu</p>	http://www.issl.iastate.edu/	Information Assurance Center	1) Courses: Computer and Network Forensics, Advanced Topics on Computer Forensics & Cyberspace Camouflaging. 2) Masters of Science in Information Assurance. 3) Graduate Certificate Program in Information Assurance.
James Madison University (*)	<p>Dr. George H. Baker, Associate Director for Infrastructure Assurance Phone: 540.568.8767 Email: bakergh@jmu.edu</p> <p>Dr. Ruben Prieto-Diaz, Associate Director for Information Assurance Phone:540.568.1665 Email:prietodiaz@cisat.jmu.edu</p>	http://www.jmu.edu/iia/	Institute for Infrastructure and Information Assurance- Research projects: Certificate Management in PKI Environments, The Design and Analysis of Logical Data Structure for the Efficient Management of Encryption Keys to Support Secure Network Multicasting, A Security Architecture to Enable User Collaboration in Computational Grids, Security and Privacy in Digital Government, Security-Related Issues in Wireless Sensor Networks, Software Security Impact Analysis Approaches to Support Common Criteria Security Evaluations, Topical Vulnerability Analysis: Discovering Critical Security Vulnerability Paths in Networks, Automating the Common Criteria Evaluation Process, Covert TCP/IP Channels through Legitimate TCP Connections, Enhancing Domain Name System Zone-security to Enable Secure On-Line DNS Dynamic Update, Information Security Policy, Intrusion Tolerance against Server Compromised-Based Dictionary Attack, Security Mobile Commerce, Workforce Development.	1) Courses: Computer-Related Law and Computer Forensics; Ethics, Law and Policy in Cyberspace. 2) M.S. in Computer Science program with concentration in Information Security. 3) M.S. in Computer Science program with concentration in Secure Software Engineering. 4) M.B.A. with concentration in Information Security.

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Johns Hopkins University (*)	Dr. Darren Lacey Executive Director, ISI dll@jhu.edu 410-516-4250	http://www.jhuisi.jhu.edu/	Information Security Institute - Research areas: Technical (Information Warfare; Critical infrastructure protection; Insider/outsider intrusion detection; Secure wired/wireless telecommunications; Robust Software; Information forensics, surveillance, audit trails; Cryptography and encryption methodologies; Management of information security; Legal & Policy; International policy protocols; Computer law and criminology; Public policies and standards; Web-Based Intellectual Property Rights), Economic and Financial (E-commerce and web based services security; International electronic business; National and International economics; Intellectual property protection and digital copyrighting; Trusted agents), Privacy and Ethics (Database confidentiality and protection; Information authentication; Protection of minors; Privacy of medical records; Privacy of consumer purchases; Identity theft; Internet "stalkers")	1) Master of Science in Security Informatics. 2) Master of Science in Nursing with Forensics Nursing Focus: This program will prepare the graduate as a clinical specialist with education in forensic nursing to work in a variety of areas including: emergency and acute care departments; sexual assault examination programs.; child and/or adult protective service investigation units; psychiatric forensic treatment and evaluation units; and death investigation teams.
Kennesaw State University	Dr. Michael Whitman, Center Director of CISSP (phone: 770-499-3568; email: mwhitman@kennesaw.edu)	http://infosec.kennesaw.edu/	Center for Information Security Education and Awareness	1) B.S. in Forensic Chemistry. 2) B.S. and M.S. degrees in Information Systems. 3) Computer Forensic Certification. 4) Certificate in Information Security and Assurance.
Mississippi State University (*)	Rayford B. Vaughn, Associate Professor (662) 325-7450 voice vaughn@cs.msstate.edu	http://www.cse.msstate.edu/~security/	Center for Computer Security - Research projects are in the areas of computer security, information assurance and computer forensics.	Student pursuing a B.S. in Computer Science or Software Engineering can elect to take CS 4243/6243 - Information and Computing Security.
National Defense University	http://www.ndu.edu/info/catalog/catalog2.htm	http://www.ndu.edu/research.cfm	» Institute for National Strategic Studies » Center for Counterproliferation Research » Center for the Study of Chinese Military Affairs » Center for Technology and National Security Policy	1) Information Assurance Certificate Program consists of a series of courses that emphasize security concerns and approaches fundamental to protection of the information infrastructure. 2) Chief Information Officer Certificate Program with a concentration in Information Assurance.
Naval Postgraduate School (*)	Center for Information Systems Security and Research Department of Computer Science Code CS Naval Postgraduate School 833 Dyer Road Monterey, Ca 93943-5118 Phone: 831-656-3758 Fax: 831-656-2814 email: CISR Contact	http://cisr.nps.navy.mil/	Center for Information Systems Security Studies and Research is the world's foremost center for military research and education in Information Assurance, defensive information warfare, and computer and network security. Some current projects are: HASP - The High Assurance Security Program, UDP and Collaboration Services, SimSecurity, Emergency Response for Cyber Infrastructure Management, etc.	1) M.S. in Computer Science with a specialization in Computer Security. 2) Ph.D. in Computer Science with dissertation topic in the area of Computer Network Security.
New Jersey Institute of Technology (*)	Dr. Boris S. Verkhovsky Phone: (973)596-3393 Email: Verkhov@cis.njit.edu	http://www.ccs.njit.edu/cryptology/	Cryptography & Telecommunication Laboratory; New Jersey Center for Wireless Networking and Internet Security	1) Courses: Introduction to Forensic Science, Criminal Investigation, Criminal Law, Forensic Principles of Evidence. 2) B.S. in Information Technology with a concentration in Network Security. 3) Government Certified Courses in Computer Network Security, Data Encryption, Steganography. 4) Certificate in Information Assurance.

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New Mexico Tech (*)	(505) 835-5126	http://www.cs.nmt.edu/~IT/index.html	Ongoing projects and research interests: Intrusion Detection using Learning Machines, Feature Ranking and Selection for IDS, and Information Hiding; Efficient and Secure Storing/Communicating Information Utilizing Fiber Optics infrastructure, Image/Data Compression, and Secure Dynamic Encryption	1) B.S. degree in Information Technology with Security and Assurance Track. 2) B.S. degree in Information Technology with Distributed Computing and Security Track.
New Technologies, Inc. (NTI)	E-mail: info@forensics-intl.com Telephone: 503-661-6912	http://www.forensics-intl.com/	No information available.	Development of state-of-the-art computer forensics and risk assessment tool development, computer forensics training and computer evidence consulting. NTI trains the trainers and the worlds experts in computer forensics.
North Carolina State University (*)	Dr. Annie I. Antón, Assistant Professor Phone: 919.515.5764 Email: anton@csc.ncsu.edu Dr. Peng Ning, Assistant Professor Phone: 919.513.4457 Email: ning@csc.ncsu.edu	http://ecommerce.ncsu.edu/infosec/index.html	Department of Computer Science - Our vision for departmental research is one in which >>> breadth of expertise supports identifiable strengths in networking; intelligent and collaborative systems; secure and reliable systems; parallel and embedded systems; software systems engineering; and algorithms and theory; >>> applied research strengths include bioinformatics, scientific computation, e-commerce and data mining; and departmental resources support scholarly publication, service and professional activities.	1) B.S. degree in Computer Science with concentration in Information Security. 2) M.S. degree in Computer Science with concentration in Information Security. 3) Ph.D. degree in Computer Science with concentration in Information Security.
Northeastern University (*)	Dr. Agnes Hui Chan Phone : 617 373 2464 Email : ahchan@ccs.neu.edu	http://www.ccs.neu.edu/	College of Computer Science maintains an active research group in network performance, cryptography and communication security.	1) Courses: Corporate and White-Collar Crime, Political Crime and Terrorism, Forensic Science. 2) B.S. degree in Information Science.
Northern Virginia Community College	(703) 323-3000	http://www.nv.cc.va.us/curcatalog/programs/netsec.htm	No information available.	Certificate in Network Security.
Norwalk Community College	Dr. Barbara Belon, director of the Center for Information Technology at Norwalk Community College at bbelon@ncc.commnet.edu or (203) 857-6839	http://www.ncc.commnet.edu/securitydegree.asp	Computer Security Institute	Undergraduate degree in Computer Security.
Norwich University (*)	LTC (Ret) David C. Ward at 1.802.485.2007 or dwardd@norwich.edu.	http://www.norwich.edu/biz/excellence.html	No information available.	1) BA degree in Criminal Justice with Minor in Computer Forensics. 2) Master of Science in Information Assurance. 3) Bachelor of Science in Computer Information Systems.
Oregon State University	800-235-6559 or 541-737-2676	http://proed.oregonstate.edu/Contract_Training/NTI.eml	No information available.	Certificate program in Computer Forensics.

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Pennsylvania State University (*)	Dr. Chao-Hsien Chu, Associate Professor Tel: +1 (814) 865-4446; chu@ist.psu.edu Dr. Peng Liu, Assistant Professor Tel: +1 (814) 863-0641; pliu@ist.psu.edu	http://net1.ist.psu.edu/cica/home.htm	Center for Information and Cyber Assurance - Current projects: Self-Healing DB, QoIA Management, Mobile Security, Attack Predictions, Survivable Systems, Countering Worms, HP Project, Web S-Vector	1) B.S. in Biological Anthropology (It prepares students with the skills and competencies needed to pursue graduate study or careers in professions associated with biological anthropology. These include medicine (although students may have to do additional course work to meet medical school admission requirements), human DNA research, osteology, and some forensics fields). 2) B.S. degree in Information Sciences and Technology with specialization in Information Assurance. 3) M.S. degree in Information Sciences and Technology with specialization in Information Assurance. 4) Ph.D. degree in Information Sciences and Technology with specialization in Information Assurance.
Polytechnic University (*)	Dr. Nasir Memon, Associate Professor PHONE: 718-260-3970; memon@poly.edu	http://isis.poly.edu/	Information Systems and Internet Security Laboratory - Current areas of research include computer and network security, digital watermarking, and steganography; Current projects are Optical Speed Encryption Architectures, Hardware Sensor for Host Based Intrusion Detection, A Mathematical Theory for Steganalysis, Capacity Building Project in Information Assurance Education, Video Architectures, Steganalysis of Digital Watermarking Techniques, Video Summarization and Surveillance, Optimized and Secure Content Delivery Over Wireless Channels, and Software Protection by Software Watermarking.	1) Undergraduates in Computer Science, Information Management and Computer Engineering can get a concentration in Information Assurance. 2) Masters students in Computer Science, Computer Engineering, or Telecommunications can get a concentration in Information Assurance.
Portland State University (*)	Jim Binkley, Director, Network Scientist, Wireless Networking and Network Security (Email: jrb@cs.pdx.edu)	http://www.cs.pdx.edu/~cia/	Department of Computer Science - 1) Digital Forensics and Security: The Laboratory for Digital Forensics and Security Research is a collaboration between Portland State University, Department of Computer Science faculty, PSU graduate students, and local law enforcement personnel committed to research, education and training in the areas of digital forensics and computer security through specific objectives. 2) Digital Forensics Lessons Learned Repository - A collaboration with law enforcement to develop a web-based infrastructure that will allow digital forensics specialists to share insights, techniques and experiences with colleagues.	1) Courses: Cryptography, Introduction to Computer Security, Malicious Code and Forensics (computer viruses), Introduction to Computer Forensics, Network Management and Security. 2) M.S. degree in Computer Science with a concentration in Security.

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Purdue University (*)	Phone (765)494-7841 / fax (765)496-3181	http://www.cerias.purdue.edu/	The Center for Education and Research in Information Assurance and Security (CERIAS) is currently viewed as one of the world's leading centers for research and education in areas of information security that are crucial to the protection of critical computing and communication infrastructure. Current research projects in the Information Security and Assurance area are Digital Forensic Procedures and Requirements (Information Security, Digital Forensics, and Software Engineering), Embedded Sensors Project, Information Hiding, Language-Base Security, Poly2 Project, Privacy-Preserving Cooperative Computation, Privacy Preserving Data Mining, Trusted Collaboration and Information Sharing.	1) Information Assurance Education Graduate Certificate program. 2) Interdisciplinary Masters' Program in Information Security. 3) Ph.D. in one of the included departments, with a dissertation on an Infosec topic.
Richland College	Paula Dennis, Program Coordinator Email: pdennis@dcccd.edu Phone: (972) 238-3773	http://www.rlc.dcccd.edu/authorized/microsoft.htm	No information available.	1) Security Certified Network Professional Certificate (http://www.rlc.dcccd.edu/ce/atec/security.htm); 2) Advanced Information Security Certificate (http://www.rlc.dcccd.edu/authorized/microsoft.htm)
Seattle University	(206) 296-6000	http://www.seattleu.edu/artsci/criminal/	College of Arts and Sciences	1) Bachelor of Criminal Justice with specialization in Forensic Psychology or Forensic Science, 2) Bachelor of Science in Forensic Psychology or Forensic Science
Seminole Community College	Tom Walker Phone: 407-328-2372 walkert@scc-fl.edu	http://www.scc-fl.edu/e-business/	No information available.	AS degree program in e-Business Technology with a Security Specialization
Stanford University (*)	Dr. Dan Boneh Office: (650) 725-3897	http://crypto.stanford.edu/seclab/	The Security Lab is a part of the Computer Science Department at Stanford University. Research projects in the group focus on various aspects of network and computer security. Current projects are: Security of cryptographic primitives and protocols; ITTC: Intrusion tolerance via threshold cryptography; Identity Based PKI; Electronic wallets: wallets for desktops and handheld devices; Pleiades: Assurance for Mobile Code; SPINACH: Secure Public Internet Access Handler.	Student pursuing a B.S. in Computer Science can elect to take several courses relating to Computer and Information Security such as CS155: Computer and Network Security; CS255: Introduction to Cryptography and Computer Security; CS355: Topics in Cryptography; CS99J: Sophomore seminar: Computer security and privacy; CS99M: Freshman seminar: Computer and Information Security.
State University of New York, Buffalo (*)	Shambhu Upadhyaya, Director (shambhu@cse.buffalo.edu) Department of Computer Science and Engineering 201 Bell Hall, University at Buffalo, Buffalo, NY 14260, USA. Telephone: (716) 645-3180 x 133	http://www.cse.buffalo.edu/cae/ae/	Center of Excellence in Information Systems Assurance Research and Education - Research areas: Intrusion Detection, Security in Mobile Environment, E-Commerce and Web Assurance, Fault Tolerance and Security in Enterprise Servers,	Students pursuing a graduate degree through the Department of Computer Science and Engineering can choose a Computer Security and Information Assurance research concentration.
State University of New York, Stony Brook (*)	Dr. Scott A. Smolka, Professor Email: sas@cs.sunysb.edu Phone: +1 (631) 632-8453	http://ns.seclab.cs.sunysb.edu/ccs/	Department of Computer Science and Engineering - Center for CyberSecurity	1) M.S. degree in Computer Science with Information Assurance concentration. 2) Ph.D. degree in Computer Science with Information Assurance concentration.
Stevens Institute of Technology (*)	Director Paul Kolodzy (Email: pkolodzy@stevens-tech.edu; phone: 201.216.5027) Assistant Director Pat White (Email: pwhite1@stevens-tech.edu; phone: 201.216.5028)	http://www.stevens-tech.edu/winsec/	Wireless Network Security Center	1) M.S. degree in Information Systems with Information Security concentration. 2) Interdisciplinary Graduate Certificate in Information Security. 3) M.S. degree in Computer Science with a concentration in CyberSecurity. 4) Ph.D. degree in Computer Science with a concentration in CyberSecurity.

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Syracuse University (*)	Dr. Steve J. Chapin, Director Center for Systems Assurance Phone: (315) 443-2938 (voice) chapin@ecs.syr.edu (email)	http://sai.syr.edu/	System Assurance Institute - Representative projects: Agent Based Intrusion Detection, Automated Buffer Overflow Detection, Bandwidth Management Points, Behavioral Information Security, Covert Data Recognition and Recovery, Dynamic Honeypots and Honeynets, High-Confidence Design for Security, Information Security Requirements for IP, Based Data Collection Serial Interface Units, Information Security Requirements for Remote Data Processing Systems, Interface Based Intrusion Detection, Models for Systems Assurance, Protocol Steganography, System Auditing and Penetration Testing, Trusted Time.	1) Certificate of Advanced Study in Systems Assurance. 2) Certificate of Advanced Study in Information Security Management. 3) Certificate of Advanced Study in Information Technology, Policy, and Management.
Texas A&M University (*)	Dr. Wei Zhao, Associate Vice President for Research Phone: (979) 845-8585 Email: zhao@cs.tamu.edu	http://cias.tamu.edu/	Center for Information Assurance and Security - Specific research areas are: Cryptographic Systems, Secret Sharing with Ramp Schemes, General Theory of Codes, Network Camouflage.	1) Course: CPSC6x5 - Computer Forensics. 2) Certificate in Information Assurance and Security. 3) Computer Science Certificate Program with specialization in Telecommunications and Network Security.
Texas State Technical College Waco	Mike Denn, Department Chair (254)867-3853 mdenn@cns.tstc.edu	http://networksecuritytech.com/	No information available.	AAS degree in Network Security Technology.
Tompkins Cortland Community College	Dr. Marsha Powell Phone: (607) 84408211 ext-4231 Email: powellm@suntccc.edu	http://www.suntccc.edu/academ/mic/forensic/main.asp	No information available.	AAS degree in Computer Forensics.
Towson University (*)	Dr. James P. Clements Executive Director, Center for Applied Information Technology Phone: (410) 704-4909 Voice Mail: (410) 704-3780	http://www.towson.edu/cait/HomePage/Welcome.html	Center for Applied Information Technology	M.S. degree in Applied Information Technology offered by the Center for Applied Information Technology includes graduate certificate in Information Secularity and Assurance.
U.S. Military Academy, West Point (*)	Email: itoc@usma.edu	http://www.itoc.usma.edu/CDX/wpia.htm	Information Warfare Analysis and Research Laboratory (IWAR) and Virtual Information Assurance Network (VIAN)	Information Assurance (IA) is integrated into the Computer Science curriculum; Students pursuing a degree in this area may elect to take various IA related courses including Information Assurance, Cyberwar, Cryptology, Cyberlaw, etc.
University at Albany, State University of New York	Dr. Robert F. Erbacher Email: erbacher@cs.albany.edu Phone: (518) 437-3758 Dr. Tomek Strzalkowski Email: tomek@cs.albany.edu Phone: (518) 442-2608	http://www.ils.albany.edu/	Department of Computer Science - Institute for Informatics, Logics and Security Studies - Research areas, including but not limited to: Information representation, retrieval, summarization, linking and fusion; Human-computer interaction, question-answering and spoken dialogue; Computational logic, automated deduction and logic programming; Multilingual and translingual information processing; Information assurance and security, protocol verification, intrusion detection; Information quality and reliability; User studies and usability testing; Computational systems for business, intelligence, and forensics; Computer applications for national security and homeland defense.	No information available.

School (* NSA's Centers of Academic Excellence in Information Assurance Education)	Contact	Website	Research	Education
University of Alaska Fairbanks	Dr. Mitchell Roth Professor of Computer Science & Software Engineering Phone: 907-474-7098 Email: roth@cs.uaf.edu	http://www.cs.uaf.edu/~cs493/node3.html	Department of Computer Science. Center for Information Assurance with a isolated test lab, focusing on intrusion detection, incident response, encryption, computer and network forensics.	Student pursuing a B.S./M.S. in Computer Science can elect to take several courses relating to Information Assurance/Security. Emphasis in information assurance across the CS curriculum with components in most required major courses.
University of California at Davis (*)	Dr. Karl N. Levitt Phone: (530) 752-0832 E-mail: levitt@cs.ucdavis.edu Dr. Matt Bishop Telephone: (530) 752-8060 Email: bishop@cs.ucdavis.edu Dr. Felix Wu Telephone: (530) 754-7070 Email: wu@cs.ucdavis.edu	http://seclab.cs.ucdavis.edu/	Computer Security Lab - Current projects: ICMP Traceback for DDoS, Policy Analysis and Generation for IPSec/VPN, Truthsayer, Mobile Code Security, E-Commerce Cryptographic Protocols, Using Untrusted Domains for Computations, Managing Computer Networks to Respond Rapidly to Threats, Automated Analysis of Vulnerabilities, Trust Models in Collaborative Systems, Anomaly Detection in Database Systems (NSA), The Ariel Project (DARPA), Hierarchical Adaptive for Qos Intrusion Tolerance (HACQIT) (Teknowledge Corporation), ITR: Automatic Consistency Checking for IPSec/VPN Security Policy (NSF/ITR), Intrusion Detection Analysis Project (Promia, Inc.), Mathematical Modeling of Deception (Sandia), Model Based Scenario Intrusion Correlation (NSA), MURI Protocol Research (UCSB), Property-Based Testing to Verify an Environment (NASA/JPL), System Health & Intrusion Monitoring (SHIM): A New Approach to Triggering Intrusion Tolerant Mechanisms (Network Associates, Inc.), Sandbox System Call API for Linux.	1) Certificate Program in Information Security. 2) M.S. degree in Forensic Science.
University of Dallas (*)	John Nugent, DBA Director, Center for IA Professional Bio jnugent@gsm.udallas.edu Allan Berg Deputy Director, Center for IA Professional Bio aberg@gsm.udallas.edu Eva Carwile Technology Program, Director ecarwile@gsm.udallas.edu	http://gsmweb.udallas.edu/info_assurance/	Center for Information Assurance	1) M.B.A. degree with a concentration in Information Assurance. 2) Master of Management (MM) degree with a concentration in Information Assurance. 3) Graduate Certificate in Information Assurance.
University of Idaho (*)	Dr. Deborah Frincke Phone: 885-4114 E-mail: frincke@cads.uidaho.edu	http://www.cads.uidaho.edu/	1) Center for Secure and Dependable Software - Research areas: System Defense, Network Security, Evolutionary Algorithms Computer Forensics, and Reliability Fault Tolerance. The CSDS is sponsoring Research Experience for Undergraduates program in the field of Network-Based Intrusion Detection and Information Systems Protection, guided by researchers at the CSDS. 2) National Alliance for Information Assurance (http://www.uidaho.edu/naia/about.htm)	Computer Science courses: CS 504 Intrusion Detection System; CS 523: Network Security; CS 542: Computer Security Concepts.

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University of Illinois at Urbana-Champaign (*)	Dr. Roy Campbell Phone: (217) 265-5225 Email: info@caris.uiuc.edu	http://www.caris.uiuc.edu/	Center for Advanced Research in Information Security - Research areas: Computer system security, especially operating system security; Modeling and evaluation of security technologies; Business models associated with security technology deployment; Legal issues and best practices; Privacy and open system security; Wireless communication and smart card technologies; Mobile devices and security	1) Security related courses: CS491CM2 - Security Reading Group, CS497 - Cryptography and Computer Security, and Information Protection Seminar.
University of Maryland, Baltimore County (*)	Dr. Alan T. Sherman Voice: 410-455-3500 Email: cisainfo@cisa.umbc.edu	http://www.cisa.umbc.edu/	Center for Information Security and Assurance - Areas of interest include: Cryptology, Network Security, Internet Security, Intrusion Detection, Quantum Cryptography, Electronic Commerce, Secure Software Agents, Key Management for Broadcast Encryption, Multicast Security, Cryptographic Protocols, Security for Wireless Systems, Operating System Security, Security of Health Care Information Systems.	B.S., M.S., or Ph.D. degree in Computer Science, Electrical Engineering, Computer Engineering, or Information Systems with a track in Information Assurance.
University of Maryland, University College (*)	800-888-UMUC	http://www.umuc.edu/	No information available.	1) M.S. degree in in Computer Systems Management with a track in Information Assurance (http://www.umuc.edu/grad/csmn/tracks/ia.shtml). 2) M.S. degree in in Information Technology with a track in Information Assurance. 3) Computer Systems Management certificate in Information Assurance. 4) Information Security certificate (http://www.umuc.edu/prog/ugp/certificates/cert44.html).
University of Massachusetts, Amherst (*)	Computer Science Building University of Massachusetts Amherst, MA 01003-9264 Phone: (413) 545-2744 Fax: (413) 545-1249 Department Chair: W. Bruce Croft Phone: (413) 545-2742	http://www.cs.umass.edu/	Departments of Computer Science and Electrical and Computer Engineering	1) Forensic related course: Crime and Forensics. 2) Students pursuing a B.S. in CS can elect to take various courses related to information security/assurance including CMPSCI 715: Cryptography and Network Security.
University of Nebraska at Omaha (*)	Dr. Blaine Burnham, Executive Director	http://nucia.ist.unomaha.edu/	Nebraska University Consortium on Information Assurance - Security Technology Education and Analysis Laboratory	1) M.S. degree in Computer Science with a Certification in Information Assurance. 2) M.S. degree in Management Information Systems with a Certification in Information Assurance. 3) Undergraduate Course Offerings CIST 3600 - Introduction to Information Assurance, CSCI 4360 - Introduction to Computer Security, CSCI 4370 - Security Administration, CSCI 4380 - Computer and Network Forensics, CSCI 4560 - Number Theory and Cryptography.
University of New Haven	Dr. Thomas A. Johnson Telephone: 916.962.3136/203.932.7260 Email: tjohnson@newhaven.edu	http://www.hcleeinstitute.com/index.html	Henry C. Lee Institute of Forensic Science	1) M.S. in Forensic Science. 2) Academic Certificate Programs. include Graduate Certificates, Senior Professional Certificates, and Professional Certificates in Forensic Science/Forensic Computer Investigation or Information Protection and Security (http://www.newhaven.edu/california/Certificates.html). 3) Master of Science in National Security (http://www.newhaven.edu/pstps/nationalsecurity.html).

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University of North Carolina, Charlotte (*)	Dr. Bill Chu Phone: 704-687-4770	http://www.sis.uncc.edu/	Areas of interest to College of IT researchers include security and privacy, artificial intelligence, pervasive computing, robotics and wireless networks.	1) Forensic related course: CJUS 3000-062 Forensic: Introduction to Forensic Consultation, Examination and Testifying. 2) M.S. degree in Information Technology with a concentration in Information Security and Privacy. 3) Ph.D. degree in Information Technology with a concentration in Information Security and Privacy. 4) M.S. degree in Computer Science with a concentration in Information Security and Privacy. 5) Graduate Certificate in Information Security and Privacy.
University of Pennsylvania (*)	Dr. Steve Zdancewic E-mail: stevez at cis.upenn.edu Phone: 215-898-2661	http://www.cis.upenn.edu/~stevez/IAWeb/index.htm	Penn Security Lab supports research, teaching, and liaisons in topics related to computer and network security.	Multiple courses relating to Information assurance are offered.
University of Texas at Dallas	Dr. E. Douglas Harris, Associate Dean Phone: (972) 883-2563 Email: edh@utdallas.edu	http://www.utdallas.edu/research/dfepi/	Digital Forensics & Emergency Preparedness Institute - UTD's approach is to develop next generation, ultra secure, fault-tolerant, and disaster-tolerant communications networks that prevent cyber attacks. Areas of research: Next Generation Ultra-Secure, Fault-Tolerant, and Disaster-Tolerant Communications Networks; System Immunization and Attack Confinement; Dynamic Vulnerability Assessment; Critical Asset Protection and Information Assurance; Intrusion Detection and Digital Forensics; Advanced Sensor Networks; Reconfigurable Hardware; Adaptive Software.	1) Graduate Certificate in with a Concentration Information Assurance. 2) Certificate in Emergency Management and Preparedness.
University of Texas, San Antonio (*)	Dr. Greg White Email: gwhite@utsa.edu Phone: (210) 458-6307	http://cias.utsa.edu/	Center for Infrastructure Assurance and Security - Research areas: Biometrics, Steganography, Data Mining, Wireless Encryption, Intrusion Detection, Forensics, Database, Computer Crime (With FBI), Infrastructure Vulnerabilities, DarkScreen (City/County Cyber Security Exercises).	1) The minor in Infrastructure Assurance and Security is open to all majors in the University. 2) M.S. degree in Information Technology with a concentration in Infrastructure Assurance.
University of Tulsa (*)	Dr. John Hale Email: john-hale@utulsa.edu Phone: (918) 631-2745	http://www.cis.utulsa.edu/	Center for Information Security - Research projects: Critical Infrastructure Protection, Telecommunications Security, Intrusion Detection, Attack Modeling and Visualization, Network Vulnerability Analysis, Computer and Network Forensics, Policy Mediation, Cryptographic Protocol Verification, Programmable Security.	1) Certificate program in Information Security at all federal training levels (i.e. NSTISSI 4011, 4012, 4013, 4014, and 4015 standards for Information Systems Security Professionals, Designated Approving Authorities and Information Systems Security Officers, respectively). 2) Forensic related course: Computer and Network Forensics
University of Virginia (*)	Department of Computer Science School of Engineering, University of Virginia 151 Engineer's Way, P.O. Box 400740 Charlottesville, Virginia 22904-4740 Phone: (434) 982-2200	http://www.cs.virginia.edu/research/	Department of Computer Science	Student pursuing a B.S./M.S. in Computer Science can elect to take several courses relating to Information Assurance/Security.
University of Washington	206-897-UWEX (8939) Toll-free: 1-800-506-1325 TDD: 206-543-0898	http://www.washington.edu/	No information available.	1) Certificate Program in Data and Internet Security (http://www.extension.washington.edu/ext/certificates/dis/dis_gen.asp). 2) Certificate Program in Forensics (http://www.extension.washington.edu/ext/certificates/for/for_gen.asp).

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Walsh College (*)	Jeff Recor Phone: 248-823-1369 Email: jrecor@walshcollege.edu	http://www.walshcollege.edu/pages/432.asp	Information Assurance Center	1) B.S. degree in Business Information Technology with specializations in Information Assurance. 2) M.S. degree in Business Information Technology with specializations in Information Assurance. 3) Certificate in Information Systems Security.
West Virginia University (*)	Dr. Clifton P. Bishop Phone: (304) 293-5201 x31520 Email: Clifton.Bishop@mail.wvu.edu	http://www.wvu.edu/~forensic/program.htm	Forensics Identification Program - Research Focus Areas: Advanced Materials, Information Technology, Local and Regional Economic Development, Energy and Environment, Human Development and Culture, Molecular and Biomedical Sciences.	B.S. in Forensic Identification, offering two areas of concentration: Biometric Systems and Forensic and Investigative Science