

COMPUTER-RELATED FIELDS (M.S./D.Sc.)- Career Resource Guide

Career Options

Chief Information Security Officer	Oversee the entire security infrastructure of an organization, reporting directly to the CEO or president.
Competitive Intelligence Analyst	Define, gather, analyze and distribute intelligence about products, customers, competitors and any aspect of the environment needed to support executives and managers in making strategic decisions for an organization.
Enterprise Resource Planning (ERP) Technical/Functional Analyst	Complete technical service requests and provide continuous business application support for ERP software and legacy systems.
Information Systems Security Manager	Perform risk analysis, incident response and crisis management. Develop security plans, recommend configuration and security products, plan disaster recovery, perform security audits and educate employees on security policy.
Network Analyst/Hardware Technician	Analyze and troubleshoot network and hardware issues.
Programmer	Write step-by-step instructions for computers in programming languages.
Project Manager	Head a team of systems analysts and programmers on a project, which is often the development of a software system. Interact with end users and supervise the team.
Sales	Market and sell software or network systems.
Software Engineer	Develop and design software packages.
Systems Analyst	Plan and develop methods for computerizing business tasks or improving existing systems; serve as link between computer resource center and users.
Web Design/Developer	Engineer Internet-specific software to post and update information on websites.

Associations/Societies

Association for Computing Machinery (ACM) *	www.acm.org
Association for Information Science and Technology **	www.asis.org
Association of Information Technology Professionals	www.aitp.org
Computer Professionals for Social Responsibility	www.cpsr.org
HelpDesk Institute (HDI)	www.thinkhdi.com
National Cyber-Forensics and Training Alliance	www.ncfta.net
Strategic and Competitive Intelligence Professionals	www.scip.org
The International Association of Computer Investigative Specialists	www.iacis.com
The International Society of Forensic Computer Examiners	www.isfce.com
Women in Technology	www.womenintechology.org

* Contains employment listings

** Contains employment listing for members only

Selected RMU Professional Organizations

Alpha Iota Mu (information systems honor society)	Student Information Technology Advisory Committee
Association of Computing Machinery	Top Secret Colonials (cyber forensics)
Society for the Advancement of Management	

Career & Employment Websites

Computerjobs.com	www.computerjobs.com
Computerwork.com	www.computerwork.com
ComputerWorld	www.computerworld.com
Dice: The Career Hub for Tech Insiders	www.dice.com
Higher Ed Jobs	www.higheredjobs.com
Mashable Job Board	www.mashable.com/tech - findjobs.mashable.com
Occupational Outlook Handbook – Search Computer and Information Technology Occupations	www.bls.gov/ooh
Pittsburgh Career Connector (Pittsburgh Technology Council)	www.pghcareerconnector.com
Tech Careers	www.techcareers.com
Tech-engine.com	www.techengine.com
The Chronicle of Higher Education	www.chronicle.com

Note: A helpful list of general job search websites is available on the Internet Tip Sheet at www.rmu.edu/careercenter.

Salary Information

RMU Data:	YEAR	RANGE
M.S. in Competitive Intelligence Systems/Data Analytics	2015	\$33,500 - \$55,000
M.S. in Competitive Intelligence Systems/Data Analytics- Online	2015	\$33,000 - \$73,000
M.S. in Information Security and Assurance	2015	\$30,000 - \$95,000
M.S. in Information Systems Management	2014 2013	\$69,000 - \$100,000 \$43,000 - \$65,000
M.S. in Information Technology Project Management	2015	\$50,000 - \$132,000
M.S. in Internet Information Systems	2015 2014	\$43,000 - \$78,000 \$45,000 - \$80,000
D.Sc. in Information Systems and Communications	2013	\$111,000 - \$129,000

Graduate-Level Hiring Organizations

M.S. COMPETITIVE INTELLIGENCE SYSTEMS/DATA ANALYTICS:

ADP, LLC – Human Capital Management Consultant
Comcast – Senior Manager of Digital Content Strategy
John Daniel Associates, Inc. – Business Intelligence Consultant
Larson O'Brien – Account Executive
PNC – Software Engineer

Questeq – Help Desk Engineer
Robert Morris University – Senior Systems Engineer
United States Steel Corporation – Application Developer
UPMC – Business Analyst III
UPMC – PC Support

M.S. INFORMATION SECURITY AND ASSURANCE:

Accenture – Security Analyst
Bechtel Plant Machinery, Inc. – Senior Systems Programmer
BNY Mellon – Help Desk Specialist
BNY Mellon – Information Security Analyst
CONSOL Energy – Data Security Analyst
Dollar Bank – Teleprocessing Analyst
Federal Acquisition Institute – FAC-C Level III

LANtek – Sharepoint Developer
National Institute for Occupational Safety and Health –
Management and Program Assistant
PNC – Analyst
Quest Diagnostics – Help Desk Engineer
United States Steel Corporation – Internal Control Analyst
West Penn Allegheny Health System – NOC Analyst

M.S. INFORMATION SYSTEMS MANAGEMENT:

Arasco – Business Intelligence Manager
Automated Financial Systems Inc. – Associate Programmer Analyst
BNY Mellon – Financial Systems Vice President
Crown Castle International Corporation – Network Engineer

PNC – Business Analyst III
PNC – Security Risk Consultant
Trackabout Inc. – Technical Support Specialist

M.S. INFORMATION TECHNOLOGY PROJECT MANAGEMENT:

creehan & company – Quality Assurance Analyst
Dollar Bank – Programmer Analyst
Fairmont Supply – E-Commerce Specialist
Gateway Health – Manager of Pharmacy Data Analysis

Liberty Mutual Insurance Company – Senior Analyst
PNC – PMO Coordinator/Project Manager
rue21 – Business System Analyst

M.S. INTERNET INFORMATION SYSTEMS:

Dick's Sporting Goods, Inc. – Application Developer
Dollar Bank – Programmer Analyst
GE Healthcare – Software Engineer
Highmark – Associate IT Analyst

Highmark Health Network – Associate SQL Developer
Perkin Elmer Genetics – Senior Clinical Lab Scientist
Yves Faraudja Projects, Inc. – Software Engineer

D.SC. INFORMATION SYSTEMS AND COMMUNICATIONS:

Champlain College – Assistant Professor
CoStar Brewing – Chief Marketing Officer
LANtek – Director of IT Services
Mitre Corporation – Senior Principal Systems Engineer
Mylan Pharmaceuticals Inc. – Senior Environmental Health and
Safety Professional

Pennsylvania Highlands Community College – Computer
Science Professor
Pittsburgh Public Schools – Chief Information Officer
The Art Institute of Pittsburgh – Adjunct Professor
University of Pittsburgh – Associate Professor