

Andrew J. Hurd, PhD

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Education

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| 2014 PhD Information Sciences | University at Albany, SUNY |
| Chair: Dr. Joette Stefl-Mabry | |
| Title: <i>Exploratory Study of Student Instructional Choice in Online Learning</i> | |
| 1996 MS Secondary Math Education | State University of New York at Potsdam |
| 1995 BA Computer Science and Mathematics | State University of New York at Potsdam |
| 1992 AA Computer Science | Mohawk Valley Community College |

Teaching Experience

2019 – Present University at Albany, SUNY

Professor of Practice

- Faculty member in the Computer Science department teaching a variety of classes

2018 – 2019 Southern New Hampshire University

Technical Program Facilitator Cybersecurity

- Developed 10 courses for the competency-based Bachelors in Cybersecurity.
- Primary SME for all class development.
- Serve on the STEM Curriculum Team.
- Evaluate all technology to be used in cybersecurity courses.
- Primary contact for mapping the Bachelor's in Information Technology and the Bachelor's in Cybersecurity to the NSA/DHA Center for Academic Excellence curricular suggestions.

2018 – Present Excelsior College

Adjunct Faculty

- Teach a variety of graduate level courses in the cybersecurity program.

2015 – 2018 Excelsior College

Faculty Program Director Cybersecurity – Graduate Programs

- Redesigned both the undergraduate and graduate cybersecurity programs for the college.
- Created 15 new courses and maintained existing curriculum.
- Taught courses in the areas of Information Assurance, Communication and Leadership in Cybersecurity, Foundations in Cybersecurity, Risk Management, and Capstone requirements for Cybersecurity.
- Responsible for faculty scheduling, recruitment, evaluation, and mentoring.
- Member of several committees including Vertical Career Path, Search committees and CIC Oral Communications.
- On the editorial staff of the Journal of Business and Technology, published by the college.

- Supervised and managed a \$1.4 million course development contract with TATA interactive.
- Work closely with advisors for degree plans and credit evaluations.
- Developed 4 new cybersecurity certificates in a stackable credentials model.
- Supervised 1 undergraduate Cybersecurity program, 1 graduate Cybersecurity program, and 4 Cybersecurity certificates through the State Board of Education of NY process.
- Member of a group of Faculty Program Directors that created the School of Technology budget for fiscal years 2017, 2018, and 2019.
- Became QM peer reviewer certified in 2016.
- Point of contact for college standing of the Center for Excellence in Cyber Defense.
- Member of the Nyquist panel entitled “The real cost of cyber ignorance.”
- Trained CAE mentor and peer reviewer.

2015 – Present Hudson Valley Community College
Adjunct instructor, Computer Information Science

- I teach Introduction to Computer Security, Project Management, and Information Systems Analysis and Design.

2001 – 2015 Hudson Valley Community College
Assistant Professor, Computer Information Science

- Received the *State University of New York Chancellor’s Award in Excellence in Teaching* in the Spring of 2012
- Member of the Computer Security Committee for HVCC from 2011-2015.
- Teach courses in: Java, Computer Security, Project Management, Systems analysis and design, C, C++, Data Structures, Windows Operating Systems, UNIX Operating Systems, Web Design and Development, JavaScript, XML, Web services, and Information Systems
- Participated in 2 program reviews for the department
- Designed and taught 8 online classes
- Assumed responsibility of student internship placements, Fall 2010
- Proposed and created the following classes: CISS 150 Operating Systems, CISS 125 Computer Security, CISS 229 Mobile Technologies
- Revised and assisted in many course revisions both at the curriculum and the instructional level
- Served as a faculty mentor for the Center for Effective Teaching from 2003 – 2005
- Member of the Curriculum Committee, 2004 – 2005
- Tenured in 2006

2012 – 2015 University at Albany, SUNY
Visiting Lecturer, Department of Computer Science

- Taught Introduction to Computer Science, Programming Languages, and Data Structures

2007 – 2009 University at Albany, SUNY
Visiting Lecturer, Department of Information Sciences

- Taught a variety of classes for the graduate program

2006 – 2007 University at Albany, SUNY
Visiting Lecturer, Department of Accounting

- Taught MBA graduate classes including: Information Systems, BACC 680 Research Seminar in Accounting, BACC 681 Accounting Information Systems, BACC 682 Analysis & Design Accounting Database, BACC 683 Advanced Topics in Accounting Information Systems

2001 – 2003 ITT Technical Institute
Instructor

- Taught classes including: Visual Basic, C++, Operating Systems, Web Server Administration, LINUX, Database Management, Graphic User Design, Software Applications and Design, Project Planning and Needs assessment
- *Part-time Instructor of the Year* Award 2001

Publications

Ciampa, M., (2017). *CompTIA Security+ Guide to Network Security Fundamentals*, 6th Edition. ISBN: 978-1-337-28878-1 Cengage Learning. Role: Technical editor.

Hurd, A., (2017) *Lab Manual for Security+ Guide to Network Security Fundamentals*. 6th edition. ISBN: 978-1-337-28879-8 Cengage Learning.

Paludi, M., Bontempi, W., Stern, T., Martin, J., Defour, D., & Hurd, A., (2017). Teaching the psychology of women course. In F. Denmark & M. Palusi (Eds.), *Psychology of women: A handbook of issues and theories*. 3rd ed. Santa Barbara, CA: Praeger

EC-Council. (2016). *Ethical Hacking and Countermeasures: Web Applications and Data Servers*, 2nd Edition. ISBN-13: 978-1-305-88345-1 – Lab exercises at the end of each chapter.

EC-Council. (2016). *Ethical Hacking and Countermeasures: Threats and Defense Mechanisms*, 2nd Edition. ISBN-13: 978-1-305-88344-4 – Lab exercises at the end of each chapter.

EC-Council. (2016). *Ethical Hacking and Countermeasures: Attack Phases*, 2nd Edition. ISBN-13: 978-1-305-88343-7 – Lab exercises at the end of each chapter.

EC-Council. (2016). *Ethical Hacking and Countermeasures: Secure Network Operating Systems and Infrastructures (CEH)*, 2nd Edition. ISBN-13: 978-1-305-88346-8 – Lab exercises at the end of each chapter.

Hurd, A., Farwood, D., (2015) *Lab Manual for Security+ Guide to Network Security Fundamentals*. 5th edition. Cengage Learning. ISBN: 978-1-305-09525-0

Hurd, A., (2014, May) *Exploratory Study of Student Instructional Choice in Online Learning*. Dissertation. University at Albany, SUNY.

Hurd, A., (2013) "Teaching Computer Security at a Community College." *World Conference on Educational Multimedia, Hypermedia and Telecommunications*. Vol. 2013. No. 1.

Presentations

Hurd, A. (2017, June) Working Connections Conference, *CompTIA CSA+ certification preparation*, Frisco, TX.

Hurd, A. (2017, June) *Great transfer possibilities for students* 3CS Conference, Largo, MD.

Hurd, A. (2017, June) *Applying the 20 Critical Controls for Risk Assessment -- New York State Cyber Security Conference* Albany, NY.

Hurd, A. (2017, March) *Virtualization Explored* – Course Technology Conference Tampa, FL.

Hurd, A. (2017, January) *Critical Cybersecurity awareness*. Excelsior College, Albany, NY.

Hurd, A. (2016, September) *Vertical Career Pathways Program Overview* –Excelsior College, Albany, New York for employee training Albany, NY.

Hurd, A., (2016, July) *A new Cybersecurity Model* – 3CS Conference Pittsburgh PA.

Hurd, A., (2016, June) *Stackable Credentials as They Apply to Cybersecurity at Excelsior College* – CISSE Poster session Philadelphia, PA.

Hurd, A., (2016, April) *Cybersecurity and competency-based curriculum: what's needed?* – Course Technology Conference Orlando, FL.

Hurd, A., Snyder, D., Wheatley, D., LeClair, J. (2016, February) *The Real Cost of Cyber Ignorance* – NYquist Leadership Series panelist – Albany, NY.

Hurd, A., (2015, February) *Emerging Technologies* Faculty workshop day, Hudson Valley Community College Troy, NY.

Hurd, A., (2014, April) *Completing a dissertation using Google documents*. Information Sciences PhD. Seminar, University at Albany, SUNY Albany, NY.

Hurd, A., (2013, June) *Teaching Computer Security at a Community College*. World Conference on Educational Multimedia, Hypermedia and Telecommunications, Victoria, BC.

Hurd, A., (2013, April) *What should I get out of a conference like this?* Course Technology Conference, San Diego, CA.

Hurd, A., (2013, April) *Assessment in an Introduction to Programming Course*. Course Technology Conference, San Diego, CA.

Hurd, A., (2013, February) *Do your students understand their role in the big picture of education?* Faculty workshop day, Hudson Valley Community College Troy, NY.

Hurd, A., (2013, January) *Writing research papers using google products*. Informatics research seminar, University at Albany, SUNY Albany, NY.

Hurd, A., (2012, May) *Efforts to Improve a Computer Security Course*. New Trends in Computing and Informatics Research. University at Albany, SUNY Albany, NY.

Hurd, A., (2012, February) *Classroom Management in the Digital Age: How to deal with the Connected Student?* Faculty workshop day, Hudson Valley Community College Troy, NY.

Hurd, A., (2010, April) *Computer Science vs. Computer Information Systems*. Course Technology Conference, San Antonio, TX.

Hurd, A., (2010, March) *How to build a proper resume and interview techniques*. Computer Science leadership scholarship, University of New York at Potsdam Potsdam, NY.

Hurd, A., (2007, June) *How to build your own computer*. Technology enrichment camp, Hudson Valley Community College Troy, NY.

Hurd, A., (2006, June) *Lego mind storm exploration*. Technology enrichment camp, Hudson Valley Community College Troy, NY.

Hurd, A., (2005, February) *Basic HTML format of a Web page*. Faculty workshop day, Hudson Valley Community College Troy, NY.

Webinars

CSIAC (producer) 2017, *Applying the 20 Critical Controls for Risk Assessment*

Retrieved from

<https://www.csiac.org/podcast/applying-the-20-critical-controls-for-risk-assessment/>

Excelsior College (Producer) 2017, *Cybersecurity and Homeland Security: The new National Security Strategy*

Retrieved from

<https://attendee.gotowebinar.com/recording/753166950961394956>

Excelsior College (Producer) 2017, *Expanding Cybersecurity Skills and Credentials: Excelsior College & EPCE Education Partnership*

Retrieved from

https://players.brightcove.net/4276901727001/HJnSzFcA_default/index.html?videoId=5535502594001

Excelsior College (Producer) 2017, *BDPA Cybersecurity Careers & Certifications*

Retrieved from <https://attendee.gotowebinar.com/register/2039922103047239939>

Excelsior College (Producer) 2016, *IT and Cyber Programs*

Retrieved from

http://players.brightcove.net/4276901727001/default_index.html?videoId=517887951300
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National Cybersecurity Institute (Producer) 2016, *Center for Academic Excellence – Knowledge Unit Mapping* Retrieved from <http://www.nationalcybersecurityinstitute.org/podcasts-webinars/webinar-center-for-academic-excellence-knowledge-unit-mapping/>

National Cybersecurity Institute (Producer) 2016, *Center for Academic Excellence -Knowledge Unit Mapping Series – Part 2* Retrieved from <http://www.nationalcybersecurityinstitute.org/podcasts-webinars/webinar-center-for-academic-excellence-knowledge-unit-mapping-series-part-2/>

External Reviewer

2012 Programming Logic and Design, Comprehensive. Seventh edition, Joyce Farrell

2007 Program review Computer information systems department
Dutchess Community College
Role: Review team member

2006 Program review Computer information systems department
Clinton Community College
Role: Lead reviewer

2006 Program review Computer information systems department
Westchester Community College
Role: Review team member

Advisory Boards

2007- present State University at Potsdam Computer Science Department

Editorial Board

2017-2018 Journal of Business and Technology. Excelsior College, peer reviewed journal

Special Projects

2018 CTE Cybersecurity Curriculum Grant

Part of a team that developed Cybersecurity and Information Technology courses to assist CTE instructors with the basic skills needed to teach cybersecurity for CTE schools.

External Course Reviewer

National College Credit Recommendation Service

2019 Microsoft Review

Microsoft 365 Certified: Fundamentals

Microsoft 365 Certified: Enterprise Administrator Expert

Microsoft 365 Certified: Messaging Administrator Expert

Microsoft 365 Certified: Modern Desktop Administrator Associate

Microsoft 365 Certified: Security Administrator Associate

Microsoft 365 Certified: Teamwork Administrator Associate
Microsoft Certified: Azure Administrator Associate
Microsoft Certified: Azure AI Engineer Associate
Microsoft Certified: Azure Data Engineer Associate
Microsoft Certified: Azure Data Scientist Associate
Microsoft Certified: Dynamics 365 Fundamentals
Microsoft Certified: Dynamics 365 for Customer Service Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Field Service Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Finance and Operations, Financials Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Finance and Operations, Manufacturing Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Marketing Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Finance and Operations, Supply Chain Management Functional Consultant Associate
Microsoft Certified: Dynamics 365 for Sales Functional Consultant Associate

2018 NOCTI Review

Computer Networking Fundamentals
Network Systems
Computer Programming

2018 Microsoft Review

Microsoft Certified Azure Administrator: Associate
Microsoft Certified Azure Solutions Architect: Expert
Microsoft Certified Azure Developer: Associate
Microsoft Certified Azure DevOps Engineer: Expert
Microsoft Professional Program: Artificial Intelligence
Microsoft Professional Program: Big Data
Microsoft Professional Program: Cloud Administration
Microsoft Professional Program: CyberSecurity
Microsoft Professional Program: Data Analyst
Microsoft Professional Program: Data Science
Microsoft Professional Program: DevOps
Microsoft Professional Program: Entry Level Software Development
Microsoft Professional Program: Front End Web Development
Microsoft Professional Program: Intelligent Apps
Microsoft Professional Program: Internet of Things
Microsoft Professional Program: IT Support

2018 Maalot Educational Network

Cyber Forensics
Ethical Hacking
Fundamentals of Cybersecurity

2015 Coopersmith Career Consulting

Introduction to HTML and CSS5
Dynamic Web Design and Development

2014 The Sage group

CompTIA Mobility+
Cloud+
Advanced Security
Wireless Technologies
Web Usability and Interaction
Introduction to Computing and Design
Multimedia and the Web

2013 Excelsior College, Center for Professional Development

Administrative Professional with Microsoft Office Specialist
Cisco CCNA Certification Training
CompTIA A+ Certification Training
CompTIA Security+ Certification Training
Microsoft Office Specialist
Web Applications Developer

2013 The Saylor Foundation

Introduction to Computer Science

2013 National Paralegal School

Management Information Systems

2013 The Sage group

CompTIA Cloud Essentials

2013 Coopersmith Career Consulting

Microsoft Access 2010
Microsoft Excel 2010
Microsoft PowerPoint 2010
Microsoft Word 2010

2012 Allied Business School

Microsoft Excel 2010
Microsoft PowerPoint 2010
Microsoft Word 2010

2010 JavaOnline

Java for Beginners
Advanced Java
Java Server Pages

Advanced Java Server Pages