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Pam Schmelz

Accreditations/ Certifications

Certified Information Systems Security Professional (CISSP)
Certified Cisco Entry Networking Technician (CCENT)
CompTIA Advanced Security Practitioner (CASP)
Linux+
LPIC-1
Six Sigma Green Belt
Microsoft Office 2010 Master Certification
MTA Networking
MTA Security
iCritical Thinking certification
IC^3 Certification
Certified Lotus Professional Application Development, Release 5.0
Principal Certified Lotus Professional Application Development, Release 4.6
Certified Online Instructor for Ivy Tech Community College

Experience

August 2018-Current   Ivy Tech Community College   Columbus, IN

Department Chair/Professor/CyberSecurity/Information Assurance

- State-wide curriculum-committee chair for CyberSecurity/Information Assurance
  - Responsible for leading the degree program for all the campuses (19) that offer CyberSecurity/Information Assurance
- Lead development of state-wide online classes
- Mentor for CSIA105 (Introduction to CyberSecurity/Information Assurance), CSIA106 (Security+ certification prep class), and CSIA215 (Perimeter Defense)– this means responsibility for maintenance and updates of the course as needed for all sections taught throughout the state (27 sections in Fall 2016)
- Teach a total of four to six CyberSecurity, Networking, Linux, and introductory computing classes every semester.
- Manage state-wide virtual data center using NDG and VMware
- Started the one-of-a-kind Cyber Academy at Muscatatuck Urban Training Center
- Participation with multiple nation-wide efforts around the design of cybersecurity curriculum

August 2014-August 2018   Ivy Tech Community College   Columbus, IN

Department Chair/Associate Professor/CyberSecurity/Information Assurance

- State-wide curriculum-committee chair for CyberSecurity/Information Assurance
  - Responsible for leading the degree program for all the regions that offer CyberSecurity/Information Assurance
- Lead development of state-wide online classes
- Mentor for CSIA105 (Introduction to CyberSecurity/Information Assurance), CSIA210 (Network Protocol Analysis), CSIA215 (Perimeter Defense), CSIA260 (Business Continuity in an Information World) – this means responsibility for maintenance and updates of the course as needed for all sections taught throughout the state (27 sections in Fall 2016)
- Teach a total of four to six CyberSecurity, Networking, Linux, and introductory computing classes every semester.
- Manage state-wide virtual data center using NDG and VMware
- Participation with multiple nation-wide efforts around the design of cybersecurity curriculum

August 2010-   Ivy Tech Community   Columbus, IN
August 2014   College

Program Chair/Assistant Professor/Information Security

- State-wide curriculum-committee chair for Information Security
  - Responsible for leading the degree program for all the regions that offer Information Security
- Lead development of state-wide online classes
- Mentor for CINT121, Network Fundamentals – this means responsibility for maintenance and updates of the course as needed for all sections taught throughout the state (53 sections in Spring 2012)

August 2008-   Ivy Tech Community   Columbus, IN
August 2010   College

Program Chair/Instructor/Information Security

- Design and implement two secure labs including physical security, access control, and security architecture. The labs are segregated from the campus network and sit on their own domain.
- Responsible for developing and delivering the new curriculum for the Associate degree and certificates in Information Security
- Secure and track grant applications and requirements
- Specify and support equipment needed for an Information Security Computer lab
- State-wide curriculum-committee chair for Information Security
    - Responsible for leading the degree program for all the regions that offer Information Security
- Lead development of state-wide online classes
- Mentor for CINT121, Network Fundamentals – this means responsibility for maintenance and updates of the course as needed for all sections taught throughout the state

August 2004-   Ivy Tech Community College   Columbus, IN
August 2008

Adjunct Faculty/Instructor

- Instruction of CIS101, Introduction to Microcomputers in both in-class and online environments. Instruction includes:
    - Basics of an information system
    - Hardware and software
    - Input and output
    - Microsoft Office suite of applications
- Developed and instructed CINT121, Network Fundamentals online using the state-wide standard for online course development
    - CINT121 covers the CISSP domain of Telecommunications and Network Security and prepares students for the Network+ exam
- Continuous review and improvement upon courses taught

January   Cummins, Inc.   Columbus, IN
1999-
October 2001

Systems Technical Specialist

Job focus was to improve efficiency of Fuel Systems operating groups and to standardize Lotus Notes developer practices world-wide. Overall responsibility for about 1200 Fuel Systems employees and over 50 Notes developers world-wide. Also became more involved with corporate affairs by becoming a Six Sigma Green Belt. All applications subject to specific access controls.

- Application development – put into production over 100 small workflow applications
- Manufacturing Change Request tracking database

- Basic group discussion databases (monthly news notes, project management, etc.)
- Materials Engineering Documentation Library
- Metrology Lab Job Tracking
- Conceived and began a world-wide developer's group
- Created an application to track developers and their skills world-wide (part of a Six Sigma Green Belt project)
- Managed the hardware and software assets for Fuel Systems
- Identified and supported a cross-section of 85 people through various organizations as Notes R5 testers

Technologies

Blackboard; Linux; Canvas, Peachtree Accounting; Microsoft Office Suite (Word, Excel, PowerPoint, Access, Outlook)

| **Education** | 1997-1999 | Indiana Wesleyan University | Marion, IN |

Masters of Business Administration

| | 1989-1992 | Purdue University | West Lafayette, IN |

Bachelor of Science/Electrical Engineering