## SUMMER 2011 IT FACULTY DEVELOPMENT INSTITUTE

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- Registration & requests for information now being accepted.
- Register online at [http://www.cssia.org/event.cfm](http://www.cssia.org/event.cfm)
- Deadline for registering for the class: May 6, 2011
- Tuition: $250 for Wisconsin/Minnesota Residents
The IT Faculty Development Institute provides comprehensive instruction for information technology instructors who want to expand their skills in new technologies.

This training provides hands-on training.
- Training provided at Madison Area Technical College – Truax Campus – Madison, Wisconsin
- Graduate credit available for additional fee

Instructors trained at the Faculty Development Institute will take home:
- All curriculum materials available for faculty to use at their schools.
- Standard lab configurations to support the Information Technology curriculum.
- Detailed lab hardware specifications.

This class will instruct the student on automating some basic tasks commonly seen in the information security field. We start with some fundamentals of scripting and move on solve various problems using what we have learned. The class projects include scripts for testing "lighting up" an IDS, basic password guesser, basic network application fuzzer. We will spend some time on the last day working on student suggested problem scenarios.

Prerequisite: Basic knowledge of Linux operating system is required.
Instructor: Mike Masino has been an Information Technology instructor at Madison Area Technical College for over seven years. Mike has eleven years of experience previously working first as an integrated control systems developer and later as systems Administrator for the University of Wisconsin Extension. Mike holds an Associate of Applied Science degree in Electronics Engineering, and Bachelors and Masters degrees in Computer Science. Mike’s industry certifications include: Microsoft: MCSE, MCP + I (Win NT 4.0/ Win2000) / Cisco: CCNA, CCAI / CompTIA: A+. Security+, Network + / SANS: GCIH, GCFA, GCIA (Current member of GIAC advisory board)

REGISTRATION FEE: $250 for Wisconsin/Minnesota residents. All Others: Email for info.

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Register online at http://www.cssia.org/event.cfm
Deadline for registering for the class: May 6, 2011
Contact for further information:
WTCS 2011 IT Faculty Development Institute
c/o Cheryl Halle – Room M102
Madison Area Technical College (MATC)
3550 Anderson Street
Madison, WI  53704
Phone: (608) 243-4351
E-mail: Halle@matcmadison.edu
The IT Faculty Development Institute provides comprehensive instruction for information technology instructors who want to expand their skills in new technologies.

**This training provides hands-on training.**
- Training provided at MATC/Cisco Networking Academy – Madison, Wisconsin
- Graduate credit available for additional fee

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### VMware VCP Certification Fast Track for Teachers

**May 23-May 27**

This course will provide an in-depth look at the knowledgebase needed for teaching VMware Certified Professional (VCP) courseware in an academic environment. This course will focus strictly on ESX Server and VMware vSphere 4. We will discuss the VMware IT Academy program from VMware and how you can become a member. Then we will move to a boot camp-style training that covers the material you will need in order to pass the VCP exam, which is necessary to teach VMware courses at your school. All training will focus on VMware ESX Server. This will be information packed week so come ready to learn!

**Prerequisite:** This course is intended for individuals who have working knowledge of computers.

**Instructor:** Michael Bender has been an Information Technology instructor at Madison Area Technical College over 6 years specializing in Microsoft technologies. He has taught Windows Workstation (XP/Vista), Windows Server 2003/2008, and Exchange 2003/2007, and is the lead developer of Windows Server and Exchange curriculum for the Computer Systems Administration Associate Degree program. Along with his class load, Mike assists with the management of the McAllen lab infrastructure. Mike’s background includes over 12 years of experience in System Administration and Technical training covering all Microsoft platforms from Windows 95 to Server 2008. Mike is a Microsoft Certified Trainer, MCSE/MCSA on the NT 4.0/2000/2003 platforms, MCITP for Windows Server 2008, and has participated in numerous Microsoft Beta releases including Office 2007, Server 2008 R2, and Windows 7.

**Registration Fee:** **$300** for Full-time Wisconsin/Minnesota Faculty ONLY  **Out of state:** Email for info.

**NOTE:** Due to our VMware Academic Program agreement this instruction is strictly for **Faculty** ONLY.

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### Android Application Development for Teachers
May 23 – May 27

This course introduces developing applications for Android devices. All the required software is free, including the Android emulator. It is not necessary to own an Android device, though the applications developed in the course can be deployed to one. We will take up Android layout and input widgets, both in XML and programmatically; menus and dialogs; gesture detection; graphics and the Android drawing API; database access with SQLite and file IO; location-based services (geo-location); and device dependency issues. Teachers will be provided with lecture and lab materials to use in an introductory class for Android Application Development.

**Prerequisite:** Familiarity with Java and Eclipse (or willingness to learn them quickly) is assumed.

**Instructor:** *Mike Bertrand* is a member of the Information Technology Department at Madison Area Technical College and has taught there for 27 years, specializing in Internet programming for adult students through the Internet Developer Certificate (http://nonagon.org/macf-certificate/certificate.html). He teaches classes in Javascript, Java, Ajax, Flash ActionScript programming, PHP and MySQL, Drupal, and Android programming.

**Registration Fee:** Approx. $250 for Wisconsin/Minnesota residents

All others: Email for info.

See next page for registration information.
iPhone Applications Development for Teachers      June 6 - 10, 2011
Introduces programming simple iPhone applications using Cocoa and Objective C concepts, iPhone programming basics, and use the SDK environment on Apple Macintosh computers with OS X as a development platform. Design concepts and programming tools will be integrated with an emphasis on developing and deploying iPhone applications.

Prerequisites: It is suggested that attendees have some background in Object Oriented programming languages such as Java, Ruby on Rails, Visual Basic.NET, C# or PHP.

Instructor: Eric Knapp has been a full time Information Technology instructor at Madison Area Technical College for over 8 years. He has taught Java, Ruby on Rails and PHP with MySQL at MATC and is the lead developer of JavaScript curriculum for the Programmer/Analyst Associate Degree program. Eric's background includes over 15 years of IT systems development experience, including web development work on major e-commerce sites.

Registration Fee: $250 for Wisconsin/Minnesota residents
All others: Please email for information.

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WTCS 2008 IT Faculty Development Institute
c/o Curt Chambers – Room T220B
Madison Area Technical College (MATC)
3550 Anderson Street
Madison, WI 53704
Phone: (608) 243-4341
E-mail: CLChambers2@matcmadison.edu