

## **Information Technology AATECH Course Descriptions**

**Computer Applications CSIT 120** (*Prerequisite for all AATECH courses*): Hands-on experience with microcomputers and microcomputer applications featuring the use of Windows, word processing, spreadsheet, database, and presentation graphics software.

**Graphic Design ARTD 100:** Design principles as they apply to graphic communication. Abstract and pictorial design for the printed media. Film and architectural signage. Lettering is applied as an abstract design element.

**Hardware and O.S. Fundamentals CSNT 110:** Provides the knowledge and skills necessary to build a foundation in computer hardware and operating systems. Includes P.C. hardware and operating system fundamentals; installation, configuration and upgrading; diagnosing and troubleshooting; preventative maintenance; motherboards, processors, and memory; printers; and basic networking, including network operating systems.

**Business Management BMGT 105:** Analysis of personal qualifications, forms of ownership, sources of information, financing, planning, legal problems, record keeping, advertising, insurance, sales promotions, credit, public relations, and current aids to successful management.

**Business Math BUS 110:** Theory and practical application to business situations of computing trade and cash discounts, commissions, payrolls, property taxes, interest, bank discount, compound interest, present value, annuities, sinking funds, insurance, consumer credit, and depreciation.

**Computer Concepts CSIT 105:** The study of computer concepts and basic proficiency in modern application software. Computer concepts will focus on basic terminology; computer literacy; information literacy; hardware; software; information systems; state-of-the-art technology; structured design techniques, overview of the computer industry; ethics and current issues, including virus protection and prevention. Hands-on introduction to Windows operating system and application software, including basic proficiency of the Internet; browsers, and e-mail. The Microsoft Office Suite will be taught using Word, Excel, Access, and PowerPoint.

**Networking Fundamentals CSNT 111:** Provides the knowledge and skills necessary to build a solid foundation in computer networking. Includes networking fundamentals, the OSI model, sub-netting, features and functions of networking components, and the skills needed to install, configure, and troubleshoot basic networking hardware, peripherals, and protocols.

**Java for Information Systems CSWB 170:** An introduction to Java programming with emphasis on the syntax and structure of the Java language. Specific topics will include data types, exception handling, object-oriented programming, multi-threaded programming, event-driven programming, and an introduction to Java Servlets and JSPs.

**Web Site Development with XHTML CSWB 110:** A foundation course for Internet/Intranet technologies. Skills required to develop and publish web sites utilizing XHTML, including using HTML tables, frames, web page forms, and basic Cascading Style Sheets (CSS).