

Palomar College Catalog 2009-2010

Computer Science and Information Systems - Information Technology (CSIT)

See also CSIS - Computer Science, CSIS - Database, CSIS - Networking, and CSIS - Web Technology

Contact the Computer Science and Information Systems Department for further information.

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<http://www.palomar.edu/csis>

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Information Technology

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Information Technology

Certificates of Proficiency -

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- Microsoft Office User Specialist
- Visual Basic
- Web 2.0

PROGRAMS OF STUDY

Information Technology

This program prepares students for employment in information systems applications development in business and industry. The focus is on developing skills in programming languages, Internet, spreadsheets, databases, presentation graphics, word processing, in systems analysis and design, project management, and database design. See a counselor for additional university transfer requirements in this major.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
CSIT 105 Computer Concepts and Applications	3
CSIT 120/ R CSIS 120 Computer Applications	3
CSIT 170 Visual Basic I	4
CSIT 290 Systems Analysis and Design	4
CSDB 110 or CSDB 140 Introduction to SQL	3
CSNT 110 Hardware and O.S. Fundamentals	3
CSNT 111 Networking Fundamentals	3
CSWB 110/ R CSIS 110 Web Site Development with XHTML	2

Electives (Select 3 courses)

CSIT 70 Web 2.0 – The Web's Edge	3
CSIT 121 Advanced Computer Applications	3
CSIT 180 C# Programming I	3
CSIT 270 Visual Basic II	4
CSCI 130 Linux Fundamentals	2
CSDB 120 or CSDB 150 SQL Database Design	2
CSWB 120 Oracle Database Design	3
CSWB 120 JavaScript	3
CSWB 130 Advanced Web Site Development	3

TOTAL UNITS

32 - 35

Microsoft Office User Specialist

The Microsoft Office User Specialist (MOUS) Program is a validation program that provides proof of proficiency in Microsoft Office applications. It is available for Microsoft Office applications at both Proficient and Expert User levels. As a general rule of thumb, Proficient Specialists can handle a wide range of everyday tasks with ease. Expert Specialists are expected to do all those everyday tasks, plus handle more complex assignments that require more advanced formatting and functionality.

Users who attain Expert Specialist status on all five core Office applications (Word, Excel, Access, PowerPoint and Outlook) qualify to take the Microsoft Office Integration Exam. Passing this exam demonstrates that the user is not only an expert in the individual Office products, but is also skilled in integrating them into a cohesive whole. This entitles the user to be called a Microsoft Office Expert.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSIT 131 Word	1
CSIT 132 Excel	1
CSIT 133 PowerPoint	1
CSIT 134 Outlook	1
CSIT 135 Access	1
TOTAL UNITS	5

Visual Basic

This certificate is designed for individuals interested in acquiring the advanced programming skills necessary to design and implement Visual Basic programs.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSIT 170 Visual Basic I	4
CSIT 270 Visual Basic II	4
CSIT 271 Visual Basic III	4
CSWB 210 Active Server Pages	3
TOTAL UNITS	15

Web 2.0

Program will offer students the opportunity to explore cutting edge technologies of the World Wide Web.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSIT 70 Web 2.0 – The Web's Edge	3
CSIT 74 Gmail	1
CSIT 75 Google Docs	2
CSIT 77 Google Apps I	2
CSIT 78 Google Apps II	2
TOTAL UNITS	10