

ONLINE CIS DEGREE

Colorado Community Colleges Online, Morgan Community College, and Regis University offer a unique Colorado collaboration among a Colorado online education provider (CCCOonline), a rural community college (MCC) and a four-year private university (Regis). These three institutions have created a seamless pipeline for students, whether traditional or working adults, to begin and complete studies at multiple entry points with the goal of attaining a Bachelor of Science in Computer Information Systems degree entirely online from Regis University.

This seamless plan replicates to other Colorado institutions through similar 2+2 articulation agreements and online access to Colorado Community Colleges and their 13 partner colleges.

PARTNER INSTITUTIONS

Colorado Community Colleges Online. Serving over 4,000 students in Fall 2003, CCCOnline is comprised of 13 partner colleges and offers certificate and degree programs over the Internet. CCCOnline provides anywhere/anytime learning; a single enrollment website for all Colorado community colleges; up-to-date quality curriculum with full degrees and certificates online; curriculum that serves the needs of employers; core transfer curriculum; and a student services staff to serve students.

Morgan Community College. MCC serves 3,000 students annually located throughout its 11,500-square-mile service area in eastern Colorado. The college is a leader in offering courses via distance learning modes including interactive TV. All MCC online courses are managed through CCCOnline.

Regis University Online. Regis' School for Professional Studies (SPS) currently enrolls 3,000 students in online degree programs at graduate and undergraduate levels. Successful industry partnerships have been developed with Sun Microsystems, Ball Aerospace, Lockheed Martin, WestNet, Coors Brewing Company, Qwest, Linkage and Bisk Publishing Company.

INSTITUTIONAL CONTACTS

CCCOonline:

Student Services:

Judy Patrick • judy.patrick@cccs.edu • 303-595-1685

Computers:

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Morgan Community College:

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Regis University:

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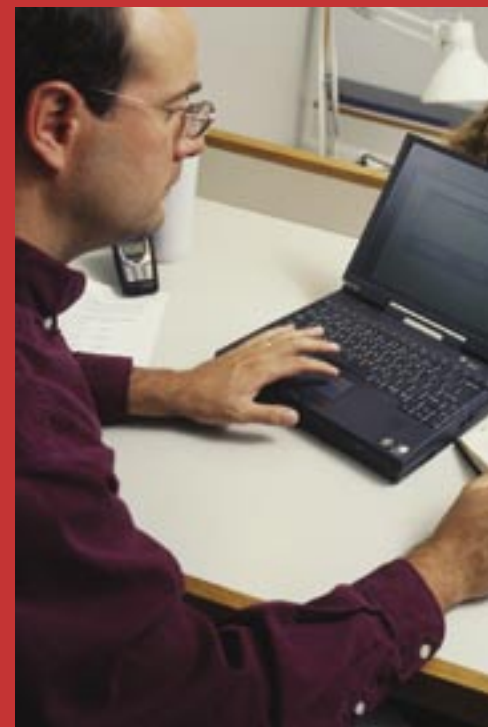
 Colorado Community Colleges Online
9026 E. Severn Place
Denver, CO 80230



COLORADO
COMMUNITY COLLEGES
ONLINE

www.ccconline.org

Take Computer Information Systems
classes online with **CCCOonline**
in conjunction with Morgan Community College
and transfer to



Regis University to earn an
online Bachelor of Science in CIS

COMPUTER INFORMATION SYSTEMS

ONLINE COURSES

► Courses transfer to Regis toward Bachelor of Science in Computer Information Systems

PROGRAMMING COURSES

CSC 116 Logic and Program Design

Intro to computer program design using concepts of structured programming and logic: pseudocode, flowcharts, structure charts, variables, data types, control structures, looping, program breaks, and arrays. 3 credit hours.

CSC 150 Visual Basic Programming

Introduces programming and applications development for the MS Windows Programming environment using Visual Basic for Windows. 3 credit hours. Prerequisites: CSC 119 and CSC 145.

CSC 154 Introduction to Microsoft Visual Basic .NET Programming

Provides knowledge and skills needed to develop applications in Microsoft Visual Basic .NET for the MS .NET platform. Focuses on user interfaces, program structure, language syntax, and implementation details. 3 credit hours. Prerequisite: CIS 116 or equivalent knowledge or experience.

► CSC 160 Computer Science I: (Language)

Introduction to discipline of computer science. Covers algorithm development, data representation, logical expressions, sub-programs and input/output operations using a structured programming language. Requires intensive lab work outside of class time. 4 credit hours. Prerequisite: CSC 116 or MAT105, or equivalent experience, or permission of instructor.

► CSC 161 Computer Science II: (Language)

Continues the structured algorithm development and problem solving techniques begun in Computer Science I. Enables students to gain experience in the use of data structures and design of larger software projects. Requires intensive computer laboratory experience. 4 credit hours. Prerequisite: CSC 160 or permission of instructor.

► CSC 225 Computer Architecture/Assembly Language Prog.

Introduction to computer architecture, functional logic, design and computer arithmetic. Focuses on the mechanics of information transfer and control within a computer system. Includes symbolic programming techniques, implementing high level control structures, addressing modes and their relation to arrays, subprograms, parameters, linkage to high level languages and the assembly process. 4 credit hours. Prerequisite: CSC 160, or equivalent or permission of instructor.

► CSC 230 C Programming: Platform

Introduction to C programming language - a 'mid level' language whose economy of expression and data manipulation features allow a programmer to deal with the computer at a 'low level.' 3 credit hours. Prerequisites: MAT121 College Algebra and CSC 116, or permission of instructor.

APPLICATION COURSES

CIS 118 Intro PC Applications

Introduces computer concepts and components, as well as application-suite software and the Internet. Includes descriptions of and hands-on experiences with word processing, spreadsheets, databases, operating environments and other common PC application packages. 3 credit hours.

CIS 145 Complete PC Database

Explores a complete array of database skills. Includes table, query, form, and report creation and modification, application integration and automation of database tasks within the database. 3 credit hours. Recommended prerequisite: CIS 118

CIS 155 PC Spreadsheet Concepts

Exposes the student to a wide range of uses of the electronic spreadsheet with special emphasis on using it as a business tool. Includes fundamentals and terms, creating and saving workbooks, entering and using formulas, formatting, printing, multiple-page workbooks, creating charts, entering and using functions, managing lists, and simple macros. 3 credit hours.

GENERAL COMPUTER COURSES

CIS 115 Introduction to Computer Information Systems

Overview of needs for and roles of computer information systems. Emphasizes computer requirements in organizations, history, hardware functions, programming, systems development, and computer operations. Introduces computer applications. 3 credit hours.

► CIS 240 Database Design and Development

Introduces the basic concepts of relational databases, data storage, and retrieval. Covers database design, data modeling, transaction processing, and introduces the Structured Query Language for databases. 3 credit hours.

► CIS 267 Management of Information Systems

Introduces the concepts and techniques of managing computer-based information resources. Includes hardware, software, personnel, control techniques, and the placement and integration of information systems resources within the organization. 3 credit hours.

CIS 268 Systems Analysis and Design I

Introduces the student to the materials, techniques, procedures, and human interrelations involved in developing computer information systems. Includes the systems approach, fact gathering techniques, forms design, input/output, file design, file organization, various charting techniques, system audits on controls, project management, implementation, and evaluation. 3 credit hours.

WEB DESIGN COURSES

CWB 110 Complete Web Authoring: HTML

Explores the complete set of web authoring skills using HTML and/or other scripting languages. Includes links, backgrounds, controlling text and graphic placement, tables, image maps, frames and forms. 3 credit hours.

CWB 130 Complete Web Editing Tools

Introduces advanced web editing techniques to control web page layout. Advanced HTML topics such as frames and web forms are introduced. In addition students learn to create and manage web sites using a Graphical Web Design program such as Front Page or DreamWeaver. 3 credit hours.

MGD 102 Introduction To Multimedia

Introduces the types of equipment and technical considerations used in multimedia productions and the multimedia professions. It focuses on current types of equipment such as scanners, printers, digital cameras and computers. Students gain hands-on experience in how the technology is utilized for input and output in production and design projects. Over view of software and basic design principles will be explored. 3 credit hours.

PHILOSOPHY COURSES

► PHI 115 World Religions – West

Introduces the student to the common and different concepts predominant in the major world religions. Includes sociological, political, psychological, and philosophical aspects of a variety of belief systems. Focuses on the concept of religion as a cultural system, and a way that people make sense of a complex world. Particular emphasis is placed on how myths, legends, and folk tales reveal religious concerns. 3 credit hours. Recommended prerequisite: ENG 121.

► PHI 116 World Religions – East

Emphasizes the diversity and richness of Eastern Religions within a cross-cultural context. Concepts such as fate, reincarnation, enlightenment and morality are analyzed. 3 credit hours. Recommended prerequisite: ENG 121