

COMPUTER INFORMATION SYSTEMS (CIS)

CIS 110 Introduction to Computer Information Systems (3 Credits)

45 lecture, 3 total contact hours

In this course, students will be introduced to the principles of information systems for business majors. Students receive an overview of information systems including a review of computer concepts, how technology is used in business, the information systems discipline, effective presentation of information systems concepts, and the systems development life cycle. Students need a working knowledge of spreadsheets and word processing software to be successful in the course.

CIS 120 Linux/UNIX I: Fundamentals (3 Credits)

45 lecture, 3 total contact hours

In this course, students are introduced to UNIX and Linux tools. The course covers the UNIX/Linux file system, communication with other users, the use of text editors, file manipulation and processing, basics of pipes and redirection, simple shell programming, and a basic introduction to Linux. This course contains material previously taught in CIS 121. Level I Prerequisite: Academic Reading and Writing Levels of 6

CIS 161 Introduction to PowerShell (4 Credits)

60 lecture, 4 total contact hours

In this course, students are introduced to Windows PowerShell. Students develop basic scripts and learn commands for managing the Windows environment. Level I Prerequisite: Academic Reading and Writing Levels of 6; Academic Math Level 3 Level II Prerequisite: CNT 211 or CNT 223 or CNT 224

CIS 174 CIS Co-op Education I (1-3 Credits)

120 to 360 clinical/other, 1 to 3 total contact hours

This course recognizes the value of learning which takes place on the job by offering college credit for development and achievement of learning objectives which are accomplished through current work experiences. Students also participate in monthly work related activities, such as meetings or seminars. Level I Prerequisite: Academic Reading and Writing Levels of 6; Two courses in CIS discipline, minimum grade "C"; consent required

CIS 274 CIS Co-op Education II (1-3 Credits)

120 to 360 clinical/other, 1 to 3 total contact hours

In this course, students gain skills from a new experience in an approved, compensated, computer-related position. Together with the instructor and employer, students set up work assignments and learning objectives to connect classroom learning with career-related work experience. This is the second of two co-op courses. Level I Prerequisite: Academic Reading and Writing Levels of 6; CIS 174 minimum grade "C"; consent required

CIS 282 Database Principles and Application (3 Credits)

45 lecture, 3 total contact hours

In this course, students will learn contemporary database theory and related practices. Topics include terminology, database structures, SQL (structured query language) concepts and application. This course is intended for anyone possessing a basic knowledge of programming who is interested in database theory and practice. Level I Prerequisite: Academic Reading and Writing Levels of 6 Level II Prerequisite: CPS 120, CPS 161 or CPS 171, minimum grade "C"