

COURSES

COMPUTER INFORMATION SYSTEMS

CIS-110 Introduction to Computers

Lec 2 Lab 2 Clinic 0 Credit 3

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems.

Co-Requisites: None

Pre-Requisites: None

CIS-111 Basic PC Literacy

Lec 1 Lab 2 Clinic 0 Credit 2

This course provides an overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and fundamental workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

Co-Requisites: None

Pre-Requisites: None

CIS-115 Introduction to Programming and Logic

Lec 2 Lab 3 Clinic 0 Credit 3

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language.

Co-Requisites: None

Pre-Requisites: One Set: Set 1: DMA-010, DMA-020, DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040 Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 Set 7: MAT-035

Competencies: Apply control structures. Apply top-down algorithmic design. Implement algorithmic solutions in a programming language.