COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

CIS INFORMATION SYSTEMS

CIS-110	**Introduction to Computers**	**3 (2-2)**	**Fall Spring Summer**

Prerequisites: None
Corequisites: None

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.(2006 SP) This course has been approved to satisfy the following requirement(s):
- Mathematics Gen. Ed. course for A.A., A.A. Teacher Preparation, A.S., and A.S. Teacher Preparation
- Mathematics Gen. Ed. course for A.G.E.

CIS-111	**Basic PC Literacy**	**2 (1-2)**	**Fall Spring Summer**

Prerequisites: None
Corequisites: None

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.(2006 SP)

CIS-115	**Intro to Prog & Logic**	**3 (2-3)**	**Fall Spring Summer**

Prerequisites: MAT-003^{S}, BSP-4003^{S}, MAT-121^{S}, or MAT-171^{S}
Corequisites: None

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.(2020 FA) This course has been approved to satisfy the following requirement(s):
- Mathematics Gen. Ed. course for A.A., A.A. Teacher Preparation, A.S., and A.S. Teacher Preparation
- Mathematics Gen. Ed. course for A.G.E.