

**COMPUTER INFORMATION SYSTEMS  
COMPUTER INFORMATION SYSTEMS (CIS)  
(HEGIS 5101)**

This curriculum is designed to prepare graduates for employment opportunities in computer systems and data processing. Positions as programmers and technicians are available in various sectors of business, particularly insurance, banking, public utilities, retailing, and manufacturing firms. Schools, colleges, and government agencies also employ such individuals. Students entering this curriculum should have successfully completed elementary algebra or Sequential Math Course I.

**The Associate in Applied Science (A.A.S.) degree is awarded upon completion of the requirements for this program.**

Courses should be selected in consultation with an advisor.

<u>Course No.</u>	<u>Descriptive Title</u>	<u>Cr.Hrs.</u>
<u>FIRST SEMESTER</u>		
ENG 101	Composition I	3
BHS 103	Social Problems in Today's World	3
CIS 100	CIS Introductory Seminar	1
CIS 111	Computer Systems and Applications	3
CIS 112	Computer Programming I	4
Elective (a)		<u>3</u>
	TOTAL	17
<u>SECOND SEMESTER</u>		
ENG 102	Composition II	3
MAT 118	Elementary Statistics	3
CIS 123	Computer Programming II	3
CIS 124	Computer Operating Systems	3
ACC 104 or BUS 104 or BUS 107 or CIS course		<u>3-4</u>
	TOTAL	15-16
<u>THIRD SEMESTER</u>		
CIS 211	File Organization	3
CIS 212	Systems Analysis and Design	3
CIS 213	Microcomputer Systems for Business	3
WFE 101	Lifetime Wellness and Fitness	3
Elective (a)		<u>6</u>
	TOTAL	18
<u>FOURTH SEMESTER</u>		
ECO 105, GOV 121, HIS 104, HIS 108		3
Math (b) or Science (c)		3-4
CIS 223	Computer Projects and Applications	3
CIS 227	Assembler Language Programming	3
Free Elective (d)		<u>3-4</u>
	TOTAL	15-17
	TOTAL 65 CREDIT HOURS	

- a. Elective courses: Courses applicable in this program are: (a) specific courses listed above; (b) courses applicable in all programs (See page 96); (c) all ACC, BUS, CIS courses; RET 106, 203, 206. Three (3) elective credits must be chosen from courses applicable in all programs.
- b. Mathematic courses: MAT 100, MAT 121, MAT 125, MAT 184, MAT 185, MAT 221. Students must meet course prerequisites.
- c. Science courses: Applicable four-credit courses in astronomy, biology, chemistry, geology, physical sciences, physics.
- d. See page 97 for a full discussion of the free elective requirement. The subject area for Computer Information Systems includes all courses labeled CIS.

