

COMPUTER SYSTEMS

Computer Information Systems Major

TECHNOLOGY & WORKFORCE DEVELOPMENT DIVISION

The Computer Information Systems program is designed for students who have a preference for structure, logic, and detail. Computers are used in almost every business, industry, and profession. Excellent opportunities exist for individuals who are goal-oriented and who possess programming language and operating skills.

Students in this program are highly motivated, organized, logical, willing to commit themselves to tasks, and complete projects on time without close supervision. Graduates of the Computers Information Systems program learn several state-of-the-art computer languages and are exposed to program development tools, including the use of fourth-generation and web based development tools.

The faculty has identified the following Learning Outcomes for all graduates:

- Code and develop both windows and web-based application components.
- Navigate and/or configure multiple operating system platforms
- Design and develop a relational database conforming to 3rd normal form rules and including binary relationships
- Effectively configure and troubleshoot computer and networking hardware and software
- Demonstrate an understanding of organizations including how individuals interact with them and the relationship between the organization and their specialty area

POTENTIAL OCCUPATIONS:

- Programmer
- Computer Operator
- Systems Analyst
- Software Engineer
- Database Administrator

Associate of Applied Business

TECHNICAL CONCENTRATION

		Credit Hrs.
CIT 1210	Visual Programming	4
CIT 1241	Microcomputers	3
CIT 1310	Windows Scripting	2
CIT 1400	Networking I	4
CIT 2010	Operations & Management	3
CIT 2200	Database	4
CIT 2220	Databases and Client/Server Programming	4
CIT 2400	Networking II	4
CIT 2640	Server Management	3
CIT 2903	CIS Capstone	3
	Total Technical Credit Hours	34

GENERAL EDUCATION AND RELATED COURSES

GEN 1000	First-Year Seminar	1
CIT 1090	Computer Fundamentals	3
DMT 1020	Web Design I	3
ENG 1900	Technical Writing for Business and Industry	3
Choose One:	ENG 1050 College Composition I or ENG 1020	3/5
MTH 1310	Intermediate Algebra	4
Choose One:	PSY 1210 General Psychology or SOC 2010 Fundamentals of Sociology	3
SPE 2010	Effective Speaking	3
	*Humanities Elective	3
	† Business Elective	3
	† Non-technical Elective	3
	Total General Education and Related Credit Hours	32/34

TOTAL CREDIT HOURS

66/68

* See page 101 for a listing of specific electives.

† See your advisor for appropriate course selection.

For available Certificate Program options, see catalog pages 103–109.

All students graduating from Terra State Community College with an Associate degree of any kind will be functionally proficient in common computer operations and applications. Please see your academic advisor or academic division office for further details.

To determine when courses are scheduled, see program curriculum sheet which is available from the Enrollment Services office in Building A/Room 100, from the Technology and Workforce Development Division office, Building E, Room 107 or on the web at www.terra.edu.