General Requirements for a

BACHELOR OF SCIENCE IN COMPUTER & INFORMATION TECHNOLOGY

(also available with a Computer Science, CIS - Systems Administration, or Visual Technology emphasis)

CIT Advisor: Shari Gowers, UHB 348, (435) 652-7745, email: gowers@dixie.edu

GENERAL EDUCATION REQUIREMENTS:

1. Must complete the Dixie State College Associate of Science or Arts degree or equivalent.
   (Equivalent transfer credits may fulfill this requirement upon transcript receipt and evaluation. See advisor).

PRE-MAJOR REQUIREMENTS:			**PREREQUISITES:**	
MATH 1100	Business Calculus or MATH 1210 Calculus I	3-5	(MATH 1050 or 1090)	
CIS 2100	Intro to Operating Systems	3		
CIS 2700	Intro to Networking	3		
CS 1400	Intro to Computer Science I	3		
CS 1440	Intro to Computer Science II	3	(CS 1400)	
VT 1400	Intro to Internet Development	3		
VT 2500	Computer Illustration	3		
VT 2600	Creative Imaging	3		
	TOTAL LOWER DIVISION REQUIREMENTS :			**63 credits**
GENERAL CIT REQUIREMENTS:			**PREREQUISITES:**	
CIS 3500	Electronic Commerce	3		
CIS 4100	Systems Design & Administration I	3	(CIS 2100 & CIS 2700)	
CS 2020	Data Structures	3	(CS 1440)	
CS 3370	Software Engineering	3	(CS 2020)	
CS 3600	Graphics Programming	3	(CS 1440)	
VT 1300	Communication Design	3		
VT 3000	Internet Publishing and Design	3	(VT 1400, 2500 & 2600)	
VT 3100	Interactive Multimedia	3	(VT 1300, 2500 & 2600)	
VT 4600 or CS 4600 or CIS 4600		3	Final spring semester of program	**27 credits**
UPPER LEVEL BREADTH REQUIREMENTS (all required):			**PREREQUISITES:**	
ENGL 3010	Writing in the Professions	3	(ENGL 2010)	
HUM 3030	Multi-cultural Studies	2		
MKTG 3010	Marketing Principles	3		
PHIL 3510	Business and Professional Ethics	2		**10 credits**
CIT ELECTIVES (15 credits from the following):				
CIS 3600	Database Design	3	(CIS 2100)	
CIS 3700	Advanced Networking	3	(CIS 2100 & 2700)	
CIS 3800	Corporate Identity	3		
CIS 4110	Systems Design & Administration II	3	(CIS 4100)	
CIS 4200	Advanced Web Delivery	3	(CIS 4100)	
CS 3400	Operating Systems	3	(CS 2020)	
CS 3550	Computer Organization	3	(CS 1440)	
CS 4300	Artificial Intelligence	3	(CS 2020)	
CS 4500	Graphical User Interfaces	3	(CS 1440)	
CS 4550	Compilers	3	(CS 2020)	
VT 3200	Advanced Design	3	(VT 1400, 2500 & 2600)	
VT 3300	Introduction to Digital Video Editing	3	(VT 2500 & 2600)	
VT 3600	3-D Visualization	3	(VT 2500 & 2600)	
VT 4000	Dynamic Web Development	3	(VT 1400)	
VT 4100	Advanced Multimedia/Internet Integration	3	(VT 2500 & 2600)	**15 credits**

OTHER ELECTIVES (lower or upper division): Courses in art, business, math and/or science recommended 6 credits

TOTAL SEMESTER HOURS FOR CIT DEGREE: 121 credits

- A minimum of 40 upper division credits are required.
- Grade Standards: A grade of C- or better must be maintained on each of the upper division CIT (CS, CIS, and VT) courses and a cumulative GPA of no less than 2.5 to meet the requirements of this bachelor's degree.
- Program & course information is accurate at the time of printing, however, the most current copy reflecting any course changes or revisions may be obtained in the office of the four-year advisor, Shari Gowers.