

**Bachelor of Science in Computer and Information Technology  
with an Emphasis in CIS - SYSTEMS ADMINISTRATION**

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).

<b>PRE-MAJOR REQUIREMENTS:</b>		<b>PREREQUISITES:</b>		
MATH 1100	Business Calculus <u>or</u> 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		
<b>TOTAL LOWER DIVISION REQUIREMENTS :</b>				<b>63 credits</b>
<b>CIS EMPHASIS REQUIREMENTS:</b>		<b>PREREQUISITES:</b>		
CS 2020	Data Structures	3	(CS 1440)	
CIS 3500	Electronic Commerce	3		
CIS 3600	Database Design	3	(CIS 2100)	
CIS 3700	Advanced Networking	3	(CIS 2100 & CIS 2700)	
CIS 4100	Systems Design & Administration I	3	(CIS 2100 & CIS 2700)	
CIS 4110	Systems Design & Administration II	3	(CIS 4100)	
CIS 4200	Advanced Web Delivery	3	(CIS 4100)	
CIS 4600	Advanced Information Systems (Project)	3	Final spring semester of program	<b>24 credits</b>
<b>UPPER LEVEL BREADTH REQUIREMENTS:</b>				
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		<b>10 credits</b>
<b>CIS EMPHASIS ELECTIVES (15 credits from the following):</b>				
CIS 2150	Perl Programming	3		
CIS 3800	Corporate Identity	3		
CIS 4990	Seminars in Computer Information Systems	1-3		
CS 3370	Software Engineering	3	(CS 2020)	
CS 3400	Operating Systems	3	(CS 2020)	
CS 3550	Computer Organization	3	(CS 1440)	
CS 3600	Graphics Programming	3	(CS 1440)	
CS 4300	Artificial Intelligence	3	(CS 2020)	
CS 4500	Graphical User Interfaces	3	(CS 1440)	
VT 3000	Internet Publishing & Design	3	(VT 1400, 2500 & 2600)	
VT 4000	Dynamic Web Development	3	(VT 1400)	<b>15 credits</b>
<b>OTHER ELECTIVES: (may be lower or upper division):</b>				<b>9 credits</b>
Courses in business and CIT are recommended.				
<b>A minimum of 40 upper division credits are required.</b>				
<b>TOTAL SEMESTER HOURS FOR CIT/CIS DEGREE: 121 credits</b>				
<ul style="list-style-type: none"> <li>• A minimum of 40 upper division credits are required.</li> <li>• 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.</li> <li>• Program &amp; 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.</li> </ul>				

**Arts,  
Letters &  
Sciences**

American Sign Lang  
Anthropology  
Art  
Biological Science  
Chemistry  
Communications  
Criminal Justice  
Dance  
Developmental Studies  
Ed. & Family Studies  
Elementary Education  
Engineering  
English  
ESL  
Family ConsumerSci/  
Early Childhood Ed  
French  
Geography  
Geology  
German  
History  
Honors  
Humanities  
Japanese  
Math  
Music  
Nutrition, Food, Wellness  
Philosophy  
Physical Ed, Health, Rec  
Physics  
Political Science  
Psychology  
Sociology  
Spanish  
Student Support  
Theatre

**Business,  
Technology  
and Health**

Accounting  
Automotive  
Business  
Business Admin  
Computer & Info Tech  
Computer Info Systems  
Computer Science  
Computer Skills  
Construction  
Dental Hygiene  
Drafting  
Economics  
Emergency Medical  
Finance  
Graphic Comm  
Health Sciences  
Management  
Marketing  
Metals  
Nursing  
Office Administration  
Phlebotomy  
Radiologic Tech  
Respiratory Therapy  
Statistics  
Surgical Technician  
Technology  
Visual Technologies