

**Bachelor of Science in Computer and Information Technology
with an Emphasis in COMPUTER SCIENCE**

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).

<p>PRE-MAJOR REQUIREMENTS:</p> <p>MATH 1100 Business Calculus or MATH 1210 Calculus I 3-5</p> <p>CIS 2100 Intro to Operating Systems 3</p> <p>CIS 2700 Intro to Networking 3</p> <p>CS 1400 Intro to Computer Science I 3</p> <p>CS 1440 Intro to Computer Science II 3 (CS 1400)</p> <p>VT 1400 Intro to Internet Development 3</p> <p>VT 2500 Computer Illustration 3</p> <p>VT 2600 Creative Imaging 3</p> <p style="text-align: right;">TOTAL LOWER DIVISION REQUIREMENTS :</p>		<p>PREREQUISITES:</p> <p>(MATH 1050 or 1090)</p> <p>(CS 1400)</p>	63 credits
<p>CS EMPHASIS REQUIREMENTS:</p> <p>MATH 3310 Discreet Math 3 (MATH 1210 or 1100)</p> <p>CIS 4100 Systems Design & Administration I 3 (CIS 2100 & CIS 2700)</p> <p>CS 2020 Data Structures 3 (CS 1440)</p> <p>CS 3370 Software Engineering 3 (CS 2020)</p> <p>CS 3400 Operating Systems 3 (CS 2020)</p> <p>CS 3550 Computer Organization 3 (CS 1440)</p> <p>CS 4550 Compilers 3 (CS 2020)</p> <p>CS 4600 Software Eng. Lab (Project) 3 final spring semester of program</p>			24 credits
<p>UPPER LEVEL BREADTH REQUIREMENTS:</p> <p>ENGL 3010 Writing in the Professions 3 (ENGL 2010)</p> <p>HUM 3030 Multi-cultural Studies 2</p> <p>MKTG 3010 Marketing Principles 3</p> <p>PHIL 3510 Business & Professional Ethics 2</p>			10 credits
<p>CS EMPHASIS ELECTIVES (15 credits from the following):</p> <p>CIS 2150 Perl Programming 3</p> <p>CIS 3500 Electronic Commerce 3</p> <p>CIS 3600 Database Design 3 (CIS 2100)</p> <p>CIS 3700 Advanced Networking 3 (CIS 2700)</p> <p>CIS 4110 Systems Design & Administration II 3 (CIS 4100)</p> <p>CIS 4200 Advanced Web Delivery 3 (CIS 4100)</p> <p>CS 3600 Graphics Programming 3 (CS 2020)</p> <p>CS 4300 Artificial Intelligence 3 (CS 1440)</p> <p>CS 4500 Graphical User Interfaces 3 (CS 1440)</p> <p>CS 4990 Seminars in Computer Science 1-3</p> <p>VT 3000 Internet Publishing & Design 3 (VT 1400, 2500 & 2600)</p> <p>VT 4000 Dynamic Web Development 3 (VT 1400)</p>			15 credits
<p>OTHER ELECTIVES: (may be lower or upper division): Courses in math, physics, CIS and VT are recommended.</p>			9 credits
<p>A minimum of 40 upper division credits are required.</p> <p style="text-align: right;">TOTAL SEMESTER HOURS FOR CIT DEGREE: 121 credits</p> <ul style="list-style-type: none"> • 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. 			

**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