

B. S. in COMPUTER INFORMATION TECHNOLOGY

Curriculum Control Sheet

Freshman Requirement (1 Credit)

- Pioneer Success Seminar (1 credit)

UCC Requirements (41 Credits)

Area One – Personal Well-Being (3 credits)

Area Two – Expression (9 credits)

- Arts & Communication (3)
 - COMM 1100 Communication in Action
- Literature (3)
 - ENG 1500 Experiences in Literature*^W
- Writing (3)
 - ENG 1100 College Writing*^W

Area Three – Ways of Knowing (20 credits)

- Philosophical Perspectives (3)
- Historical Perspectives (3)
- Social & Behavioral Sciences (6)
- Scientific Perspectives (4)
Select 1 from the following:
 - BIO 1200 Human Biology (4)
 - BIO 1300 Field Biology (4)
 - BIO 1630 General Biology I (tentative) (4)
 - CHEM 1200 Chemistry in Perspective (4)

- CHEM 1310 College Chemistry (4)
- CHEM 1600 General Chemistry I (4)
- ENV 1100 Environmental Sustainability (4)
- ENV 1150 General Geology (4)
- PHYS 1100 Introduction to Physics (4)
- PHYS 1700 General Astronomy (4)
- PHYS 2550 College Physics I (4)
- PHYS 2600 General Physics I (4)*^P
- Quantitative Thinking (4)
 - Math 1350 Algebra, Trig, and Functions

Area Four – Diversity & Justice (3 credits)

Area Five – Community & Civic Engagement (3 credits)

Area Six – Global Awareness (3 credits)

University Graduation Requirements (6 Credits)

- FOREIGN LANGUAGE – Basic I (3)
- FOREIGN LANGUAGE – Basic II (3)

Free Electives

Additional credits may be needed to reach the 120 minimum credits to graduate.

COMPUTER INFORMATION TECHNOLOGY MAJOR (58 Credits):

Basic Core Courses (27 credits)

- CS 2010 Computer and Info Tech *^T (3) or equivalent
- CS 1300 Introduction to Visual BASIC *^T (3)
- CS 2130 Graphics and Game Construction in Java (4) **OR**
CS 2300 Computer Science I *^T (4)
- CS 2350 Fundamentals of Computer Hardware (3)
- CS 2400 Computer Science II*^T (4) **OR**
CS 2420 Object-Oriented Programming in Java (4)
- CS 2550 Foundations of Information Systems (3)
- CS 2600 Discrete Structures (3)
- MATH 2300 Statistics I (4)

Advanced Courses (10 credits)

- CS 3400 System Administration (4)
- CS 3500 Software Engineering *^T*^W (3)
- CS 3550 Data Management Concepts and Applications (3)

Networking Courses (6 credits)

- CS 3350 Networking (3)
- CS 3380 Networking Fundamentals and
Net-Centric Computing (3)

Experience Requirement (0 credits)

- CS 3900 CIT Work Experience (0)

CIT Electives (6 credits)

Select at least 2 courses from the following:

- CS 3950 CIT / CIS Internship (3)
- CS 3990 Selected Topics (3)
- CS 4051 Internet Applications with Java (3)
- CS 4201 Database-Driven Web Applications (3)
- CS 4250 Computer and Network Security (3)

Interdisciplinary Electivess (9 credits)

Select 3 courses, from the following list:

- ACCT 2110 Financial Accounting (3)
- ACCT 2120 Managerial Accounting (3)
- ACCT 3110 Intermediate Accounting I (3)
- ACCT 3200 Accounting Information Systems (3)
- ECON 2020 Microeconomic Principles (3)
- MGT 2000 Principles of Management (3)
- MGT 3050 Management Information Systems (3)
- RPS 3200 Sales Information Systems and Technology (3)

- ARTS 2110 Sculpture and Digital Media 1 (3)
- ARTS 2820 Intro. to Electronic Publishing (3)
- ARTS 3110 Sculpture and Digital Media 2 (3)
- ARTS 3830 Web Design 1 (3)
- ARTS 4830 Interactive Online Media (3)
- ARTS 4840 Interactive Multimedia DVD (3)
- ARTS 4880 Advanced Interactive Online Media (3)
- MUSI 1580 Music Technology I (3)

- GEO 2030 Introduction To Geographic Information Sciences And Techniques (3)
- GEO 4010 Computer Cartography (3)

- CS 2100 Web Page and Site Design (3)
- CS 2120 Fund of Computer Graphics and Game Construction (3)

*T – *Technology Intensive (require 2 courses)*

*W – *Writing Intensive (require 4 courses)*

*P – *Prerequisite implied*

Elective Physics 2600 requires Math 1600