

Bachelor of Science in Computer and Information Sciences

INFORMATION SYSTEMS/SCIENCE TRACK

Effective Spring 2008 (& catalog 2008-2009)

- Arrows indicate prerequisite course(s)
- All courses are 3 credit hours unless otherwise indicated

Prerequisites & lower-level Foundation (6)
(18 cr. hrs.)

CGS 1570
Microcomputer
Applic Software

(New admits as of Fall 2005)

SPC Speech or
Public Speaking

COP 2010
Intro to Visual &
Procedural
Programming

MAC 1105 College Algebra
or MAC 1147 Precalc

MAC 2233
Calculus for
Business

STA 2023*
Intro Statistics
for Business

COP 2551
Intro to Object
Oriented
Programming

COT 3100
Computational
Structures

COP 3540
Data Structures
using OOP (4)

COP 3855
Web Access &
System Design
(4)

Required Courses (9)
(29 cr. hrs.)

COP 4720
Database
Systems

COP 4640
OS Environmnts
& Administration

CDA 4503 /5505
Cmptr Networks/
Distributed Proc

CIS 4253
Legal & Ethical
Issues in Comp

(As of Fall2007:
prereq or co-req)

CIS 4327
Info Systems
Senior Project I

CIS 4328
Info Systems
Senior Project II

Additional courses may be necessary to attain 120 hrs total, including 54 upper hrs, as required for graduation.

Projected Upper Hours:

ISys = (major: 41 upper) + (bus minor: 12 upper) = 53 hrs
ISci = (major: 41 upper) + (minor: ___ upper) = ___ hrs

Additional courses may be necessary to satisfy other university requirements, such as general education or foreign language.

Exit Requirement:

Oral Communications --
- Evaluation of two spoken presentations in Computing courses.

Major Electives (Select 4)
(12-13 cr. hrs.)

(COP2551 or COP2220 or COP2010 V&P) and COT3100 Comp Structures → **CDA 3101**
Intro to Computer Hardware Org (4)

CAP 4730
Graphics Systems & Appls

CIS 4510
Expert Systems/
Decision Support

COP 3540 Data Structures → **COP 4813 /5819**
Internet Programming

COP 3543
Enterprise Computing

CIS 4100 /5105
Sys Performance & Evaluation

CDA 4503 /5505
Cmptr Networks/
Distributed Proc

COP3855 Web Access and COP3540 Data Str → **CDA 4010**
Human Factors/
Collabor Cmptr

COT3100 Comp Struc and COP3540 Data Str → **COT 4560 /5561**
Applied Graph Theory

COP 4720 Database Systems → **COP 4722**
Database Systems II

CAP 4770 /5771
Data Mining

(pre-reqs as necessary) → **CIS 4930**
Special Topics:
As offered

(see InfoTech diagram for prerequisites) → Up to two from one & only one IT concentration:
(1) CIS4363 CDA4527 CIS4103
(2) CEN4535C CEN4533C
(3) CIS 4360/ 4615/ 4362/ 4364/ 4365/ 4366

MINOR: Information Systems (business courses listed below)

-- OR --

Information Science (applicable courses for chosen minor)

Information Systems - Prerequisite Courses (12 hrs)

ACG 2021
Princ Financial
Accounting

ACG 2071
Princ Managerial
Accounting

STA 2023*
Intro Statistics for Business
(taken as lower-level
IS foundation)

ECO 2013
Macroeconomics

ECO 2023
Microeconomics

Note: 12 upper hours in business @ UNF are required.

MAN 3025
Administrative
Management

FIN 3403
Financial
Management

MAN3504
Prod/Operations
Logistics Man

MAR 3023
Principles of
Marketing

BUL 3130
Legal Environment
of Business

Information Systems – Two Required Courses (6 hrs)

Information Systems Electives: Select 2 of 3 (6 hrs)