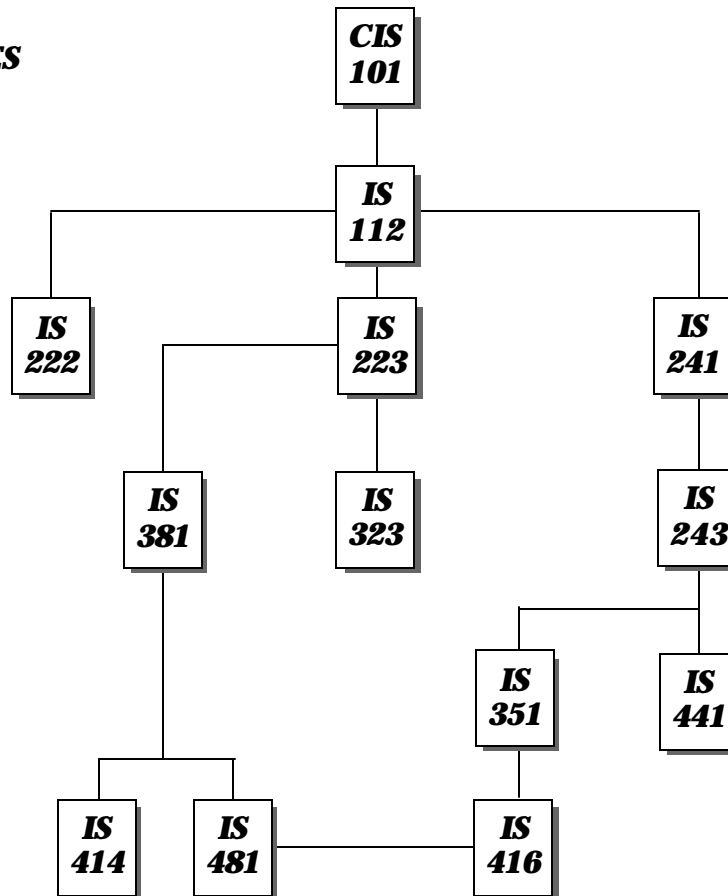


School of Computer Science & Information Systems

Department of Information Systems

**This program is accredited by The Computing Accreditation Commission (CAC)
of the Accreditation Board for Engineering and Technology (ABET).**

**PREREQUISITE CHART
OF REQUIRED COURSES**



COURSES IN CHART

- CIS 101** Introduction to Computing
- IS 112** Computer Organization & Programming
- IS 222** COBOL Programming
- IS 223** C/C++ Programming
- IS 241** Information Systems Concepts
- IS 243** Information Systems Design
- IS 323** Object-Oriented Programming using C++
- IS 351** Global Data Communications
- IS 381** Data Structures
- IS 414** Operating Systems Concepts
- IS 416** Distributed Computer Systems
- IS 441** Systems Implementation
- IS 481** Database Management and Organization

ADVANCED IS ELECTIVES (Select Two)

- IS 341** Management Information Systems
- IS 343** The Information Center Approach
- IS 396** Special Topics in Computer and Information Systems
- IS 431** Applied Artificial Intelligence
- IS 451** Business Telecommunications & Networking
- IS 483** Database Programming Techniques
- IS 485** Comparative Database Systems
- IS 499** Seminar

REQUIRED AUXILIARY COURSES

- MAT 111** Elementary Calculus
- MAT 137** Introduction to Discrete Mathematics
- MAT 234** Introduction to Probability and Statistical Analysis

Student's Name: _____ **Advisor:** _____

Semester and Year Started at Pace: _____ **Expected Date of Graduation:** _____

University Core Curriculum

Foundation Experience	Credits	Pace Grade	Transfer Credit
WRITING			
ENG 101	4		
ENG 102	4		
SPEECH			
SPE 101	2		
SPE 102	2		
Exploratory Experience			
LITERATURE			
LIT 211	3		
LIT 212	3		
FINE & PERFORMING ARTS			
One "Exploratory" course which carries any of the prefixes: ART/ DAN/ MUS/ THR.			
____	3		
HISTORY			
Two "Exploratory" HIS courses:			
one Western history course			
____	3		
one non-Western history course			
____	3		
PHILOSOPHY			
One "Exploratory" PHI course			
____	3		
SCIENCE			
Two "Exploratory" courses, including a laboratory science which carry any of the prefixes: BIO/ CHE/ ENV/ PHY/ SCI			
____	3		
____	3		
SOCIAL/ BEHAVIORAL SCIENCES			
Two "Exploratory" ANT/ ECO/ POL/ PSY/ SOC/ courses in two different disciplines.			
____	3		
____	3		
MODERN LANGUAGES AND CULTURES			
One "Exploratory" course which carries any of the prefixes: CHI/ FRE/ ITA/ JPN/ RUS/ SPA numbered 102 or above.*			
____	3		
Enhancement Experience			
Six credits of general arts education Core Credits** offered by Dyson College labeled as "Enhancement" in at least two disciplines outside the student's major.			
____	3		
____	3		

*Students taking a foreign language course numbered 101 as a prerequisite for their Modern Language requirement may apply those credits toward the "Enhancement" Experience.

**The "Enhancement" Experience is a nine credit requirement. MAT 111 fulfills the last three credits of the requirement

Note: A listing of the courses applicable to the "Exploratory" and the "Enhancement" Experiences is available in the current catalog

Courses Required for the IS Major

Required IS Courses	Credits	Pace Grade	Transfer Credit
CIS 101 Introduction to Computing	3		
IS 112 Computer Organization & Programming	4		
IS 222 COBOL Programming	4		
IS 223 C/C++ Programming	4		
IS 241 Information Systems Concepts	3		
IS 243 Information Systems Design	3		
IS 323 Object-Oriented Programming using C++	3		
IS 351 Global Data Communications	3		
IS 381 Data Structures	3		
IS 414 Operating Systems Concepts	3		
IS 416 Distributed Computer Systems	3		
IS 441 Systems Implementation	3		
IS 481 Database Management & Organization	3		

Advanced Electives in Information Systems

1) IS _____	3		
2) IS _____	3		

Auxiliary Courses

MAT 137 Introduction to Discrete Mathematics	4		
MAT 111 Elementary Calculus	3		
MAT 234 Introduction to Probability and Statistical Analysis	4		

Business Concentration or Minor*

ACC 203 Financial Accounting	4		
ACC 204 Managerial Accounting	4		
MGT 250 Managerial and Organizational Concepts	3		
MAR 250 Principles of Marketing	3		
Advanced Business Elective _____	3		

Free Electives

0 - 3

Total Credits Required for Graduation: 128

* Students are expected to pursue a minor or concentration in business. A plan for a concentration other than business that represents a cohesive body of knowledge to prepare the student to function effectively as an IS professional in the IS environment may be substituted by a student and be approved by the chair.

Sample Full Time Program

Total Credits Required for Graduation: 128

Fall

Freshman

**CIS 101
MAT 111
ENG 101
SPE 101
History**

Spring

**IS 112
MAT 137
ENG 102
SPE 102
Social & Behavioral Sciences**

Sophomore

**IS 222
IS 241
LIT 211
MAT 234
ACC 203**

**IS 223
IS 243
LIT 212
ACC 204
Philosophy**

Junior

**IS 323
IS 351
MGT 250
History
Modern Language & Culture**

**IS 381
MAR 250
Enhancement Course
Fine & Performing Arts
Science & Technology**

Senior

**IS 414
IS 481
IS Elective
Advanced Business Elective
Social & Behavioral Sciences**

**IS 416
IS 441
IS Elective
Enhancement Course
Science & Technology
Free Elective (0-3 credits)**