

Bachelor of Science ..... Major Code CI02

CIS and Mathematics Major Computational Math Option

**General Ed CORE 42 Requirement .....42\* 32**

UE 100 First Year Experience\*\* ..... 1

**CIS Core Requirements .....33**

CIS 110 Programming I.....3

CIS 202 Information Systems I .....3

CIS 210 Programming II.....3

CIS 310 Database Management Systems I.....3

CIS 315 Computer Networks .....3

CIS 345 UNIX System Administration.....3

CIS 350 Data Structures .....3

CIS 375 IT Project Management.....3

CIS 410 Information Systems II .....3

CIS 425 Database Management Systems II.....3

CIS 450 Operating Systems.....3

**Mathematics Core.....34**

MATH 150 Calculus I.....5

MATH 250 Calculus with Analytic Geometry II.....4 was 5 cr hrs

MATH 260 Calculus with Analytic Geometry III.....4 was 3 cr hrs

MATH 300 Fundamentals of Math Thought .....3

MATH 340 Discrete Mathematics.....3

MATH 350 Introduction to Numerical Analysis.....3

MATH 351 Linear Algebra.....3

MATH 361 Probability and Statistics I.....3

MATH 371 Operations Research .....3

MATH 421 Introduction to Advanced Calculus .....3 was elective

**Supporting Requirements .....7**

PHYS 270 General Physics.....4 was PHYS 250 2 hours

Natural Science CORE 42 course (not PHYS 160).....3

**General Electives.....13**

Total ..... 120

Required mathematics satisfies 3 hours of CORE 42 area 4, Natural Science course satisfies 3 hours of CORE 42 area 3A, PHYS 270 satisfies 4 hours of CORE 42 area 3B

\*\*Degree Requirement H may also be met by HNRS 101 (2 credit hours)