Information Science & Technology, B.S. Degree.

List of new requirements:
CIS 1001 Introduction to Academics in Computer Science 1
Select one of the following: 4
  CIS 1068 Program Design and Abstraction 4
  CIS 1968 Honors Program Design and Abstraction
Select one of the following: 4
  CIS 1166 Mathematical Concepts in Computing I 4
  CIS 1966 Honors Mathematical Concepts in Computing I
CIS 2033 Computational Probability and Statistics 4
CIS 2109 Database and File Management Systems 4
CIS 2168 Data Structures 4
CIS 2229 Architecture, Operating Systems and Networking 4
CIS 3309 Component-Based Software Design 4
CIS 3329 Network Architectures 4
CIS 3342 Networked Application Systems 4
CIS 3344 Client-Side Scripting for the Web 4
CIS 4296 Information Systems Analysis and Design 4
CIS 4396 Information Systems Implementation 4
Select one of the following: 4
  MATH 1031 Differential and Integral Calculus
  MATH 1038 Calculus I with Lab
  MATH 1041 Calculus I
  MATH 1941 Honors Calculus I
Four (4) IST Related Electives 12-16
Two (2) laboratory science courses 8

Total 73-77 credits

Comparison to old Information Science and Technology BS:

Removed
CIS 1048 Introduction to IS&T (3 cr.)

Added
CIS 3344 Client-Side Scripting for the Web (4 cr.)
Comparison to old Information Science & Technology BS:

**Eliminated**
CIS 4307 (4 cr.) Introduction to Distributed Systems and Networks (still an option for electives)

**Added**
CIS 1001 (New) (1 cr.) Freshman Seminar in Computer Science
CIS New Internship or coop experience for CS majors as one of elective choices

**Changed**
Changed prerequisites of CIS 1068 to require placement exam for those who have not received a grade of C or better in CIS 1053 or CIS 1057.
Theory Elective reduce choices to one of (CIS 2166, 3211, 3242)
Communications Elective to English 2696
Changed content and name of CIS 3223 to emphasize algorithm analysis
CIS 2166 or Math 3098 to Math New Probability and Statistics (a new course that will probably be taught by Stat or Math but specified by CIS with an accompanying lab that will be taught by CIS)
CIS 4339 to CIS New Writing Intensive Projects in Computer Science or CIS New Writing Intensive Research
CIS 4298 to CIS 32xx (New) Software Design/Practicum