



BS in Computer Science – 2009

Student Name: _____

Student ID: _____

Core Requirements

- ____ COS 120 4 Introduction to Computer Science I
- ____ COS 121 4 Introduction to Computer Science II
- ____ COS 264 3 Interactive Application Development
- ____ COS 265 3 Data Structures and Algorithms
- ____ COS 284 3 Introduction to Computer Systems
- ____ COS 310 1 Current Literature Survey
- ____ COS 311 2 Ethics in Computer Science
- ____ COS 320 3 Algorithm Design
- ____ COS 341 4 Database Concepts
- ____ COS 382 3 Language Structures
- ____ COS 435 3 Theory of Computation
- ____ COS 452 3 Research I
- ____ COS 453 3 Research II
- ____ COS 493 1 Computer Science Senior Capstone
- ____ MAT 151 4 Calculus I
- ____ MAT 215 3 Discrete Mathematics for Computer Science
- ____ SYS 101 3 Introduction to Systems

Select one course from the following:

- ____ MAT 210 4 Introductory Statistics
- ____ MAT 352 4 Mathematical Statistics

Select two courses from the following:

- ____ COS 381 3 Computer Architecture
- ____ COS 421 3 Operating Systems
- ____ COS 436 3 Distributed Processing

Electives

Select additional electives to complete the 87 hour requirement from the following: COS 230, 240, 280, COS 300/400-level courses except COS 393
SYS 214, 352, 401, 402, 403, 411

Select one of the following concentration areas:

Graphics

- ____ COS 314 3 Human Computer Interaction
- ____ COS 350 3 Computer Graphics
- ____ COS 351 3 Computer Vision
- ____ COS 424 3 Surfaces and Modeling
- ____ COS 425 3 Animation
- ____ SYS 214 3 Principles of Human Computer Interaction

Intelligent Systems

- ____ COS 280 3 Introduction to Artificial Intelligence
- ____ COS 351 3 Computer Vision
- ____ COS 380 3 Natural Language Processing
- ____ SYS 352 3 Knowledge Based Systems
- ____ SYS 411 3 Machine Learning

Scientific Computing

- ____ MAT 230 4 Calculus II
- ____ MAT 240 4 Calculus III
- ____ MAT 245 4 Linear Algebra
- ____ MAT 251 4 Differential Equations
- ____ MAT 310 3 Mathematical Modeling with Numerical Analysis

Software Studio

- ____ COS 340 3 Software Engineering
- ____ *COS 371 4 Software Studio I*
- ____ COS 372 4 Software Studio II
- ____ COS 471 4 Software Studio III
- ____ COS 472 4 Software Studio IV

*COS 371 requires SYS 390 which does not count toward the major.

Total Major Hours Required: 87

Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All general education, major, and minor requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.