TAYLOR UNIVERSITY

BS in Computer Engineering – 2024-2025

Student Name: _____

Student ID: _____

Physics and Engineering Requirements

_____ PHY 211   4   University Physics I
_____ PHY 212   5   University Physics II
_____ ENP 104   3   Introduction to Engineering and Software Tools
_____ ENP 231   4   Introduction to Electric Circuits
_____ ENP 253   4   Electrical Circuits II
_____ ENP 261   3   Digital Systems Design
_____ ENP 332   4   Control Systems
_____ ENP 341   4   Microcomputer Interfacing
_____ ENP 392   3   Junior Engineering Project
_____ ENP 405   1   Engineering Ethics
_____ ENP 431   4   Advanced Electronics and Microcircuits

Computer Science Requirements

_____ COS 103   1   Computer Science and Engineering: New Majors Orientation
_____ COS 121   4   Foundations of Computer Science
_____ COS 130   3   Computational Problem Solving for Engineers
_____ COS 265   4   Data Structures and Algorithms
_____ COS 284   3   Introduction to Computer Systems
_____ COS 331   3   Data Communications
_____ COS 340   3   Software Engineering
_____ COS 381   3   Computer Architecture
_____ COS 393   2   Practicum
_____ COS 421   3   Operating Systems
_____ COS 491   1   Computer Science Senior Capstone
_____ COS 493   2   Engineering Senior Capstone I
_____ COS 494   3   Engineering Senior Capstone II
_____ COS 495   1   Engineering Senior Capstone III

Mathematics Requirements

_____ MAT 151   4   Calculus I
_____ MAT 215   3   Discrete Mathematics for Computer Science
_____ MAT 230   4   Calculus II
_____ MAT 240   4   Calculus III
_____ MAT 251   4   Differential Equations
_____ MAT 352   4   Mathematical Statistics

Total Major Hours Required: 98

_____ *Attendance at 21 Computer Science and Engineering sanctioned events is required.*

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 foundational core, major, minor, and proficiency 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.