

# **Texas Woman's University**

## **Requirements for the**

### **Bachelor of Science in Computer Science**

#### **Computer Science Courses**

CSCI 1423 (+1421) Programming Fundamentals I (with lab)  
CSCI 2493 Programming Fundamentals II  
CSCI 2443 Computer Organization and Machine Language  
CSCI 3053 Data Structures  
CSCI 3443 (+3441) Digital Logic and Computer Architecture (with lab)  
CSCI 4313 Networking and Data Communications

#### **Computer Science Electives**

18 additional computer science hours approved by an advisor from the following

- CSCI 1413 (+1411) Windows Programming (with lab)
- CSCI 3103 Applied Computer Graphics
- CSCI 3413 Software Engineering
- CSCI 3423 Database Management
- CSCI 3493 System Programming
- CSCI 3453 Advanced Computer Architecture
- CSCI 3613 Introduction to Algorithms
- CSCI 4303 Advanced Modeling and Visualization
- CSCI 4523 Advanced Data Design

#### **Mathematics Courses**

MATH 2014 Calculus I  
MATH 3013 Discrete Mathematics  
MATH 4013 Probability and Statistics

#### **Additional Requirements**

Completion of Core Curriculum Requirements  
Completion of at least 124 hours with at least 36 advanced hours  
Completion of an 18 hour minor course of study