

**Texas Woman's University**  
**College of Arts and Sciences**  
**Department of Mathematics and Computer Science**  
**Leading to Teacher Certification in 8-12 Computer Science**

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Name \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Social Security Number \_\_\_\_\_ Date: \_\_\_\_\_

Permanent Address \_\_\_\_\_ City, State, Zip Code \_\_\_\_\_ Phone \_\_\_\_\_ (\_\_\_\_)

Local Address \_\_\_\_\_ City, State, Zip Code (if different from above) \_\_\_\_\_ Phone \_\_\_\_\_ (\_\_\_\_)

Expected Date of Graduation \_\_\_\_\_ Major Computer Science Catalog Date \_\_\_\_\_

\_\_\_ Bachelor of Arts Degree \_\_\_ Bachelor of Science Degree

Texas Academic Skills Program (TASP) completed \_\_\_ yes \_\_\_ no Expected Date of Completion \_\_\_\_\_

Please check the box next to each course completed. For each course to be completed, write in the semester and year you plan to complete the course. **NOTE:** Under the core, courses taken to meet core requirements may not be counted toward the major. (See Advisor concerning previous core.)

**University Core: 42-44 SCH**

**English: 9 SCH**

- English 1013 (Eng. Comp + Lit I)
- English 1023 (Eng. Comp + Lit II)
- English (Literature)

**History: 6 SCH**

- History 1013 (Amer. to 1865)
- History 1023 (Amer. 1865-present)

**Government: 6 SCH**

- Government 2013 (US)
- Government 2023 (TX)

**Mathematics: 3 SCH**

- Math 2014

**Laboratory Science: 6-8 SCH**

- \_\_\_\_\_
- \_\_\_\_\_

**Visual/Performing Arts: 3 SCH**

- \_\_\_\_\_

**Social/Behavioral Sciences: 3 SCH**

- \_\_\_\_\_

**Multicultural Studies: 3 SCH**

- FS 2003 (Diversity in Cont. Families)
- or EDUC 3033 (Language and Culture)

**Women's Studies: 3 SCH**

- \_\_\_\_\_

**Electives 3-6 SCH** (In addition to the core)

- \_\_\_\_\_
- \_\_\_\_\_

**Mathematics Courses**

- MATH 3013 Discrete Mathematics
- MATH 4013 Probability and Statistics

**Computer Science: 37 SCH**

- CSCI 1413 (+1411) Windows Programming (with lab)
- 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 3103 Applied Computer Graphics
- CSCI 3423 Database Management
- CSCI 3443 (+3441) Digital Logic and Computer Architecture (with lab)
- CSCI 4303 Advanced Modeling and Visualization
- CSCI 4311 Seminar in Computer Science
- CSCI 4313 Networking and Data Communications
- CSCI \_\_\_3
- CSCI \_\_\_3

**Teaching Foundations: 13-16 SCH**

- CSCI 3002 (Adv. Computing Technology)
- LS 3002 (Information Literacy)
- EDUC 4203 (Learners w/ Exceptionalities)
- EDUC 3033 (Language and Culture) **(unless taken as core)**
- FS 3513 (Adolescent Development)
- READ 3013 (Literacy Learning Across the Curriculum)

**Pedagogy and Prof. Responsibility: 20 SCH**

- EDUC 2003 (Legal, Ethical, Prof. Role + Responsibility.)
- EDUC 3001 (Integ. Tech. For Effective Learning.)
- EDUC 3003 (Learning Theory & Develop.)
- EDUC 4001 (Inter. Tech. Into D&I of A&I)
- EDUC 4004 (Design & Imp. Of Assess. & Instr.)
- EDUC 4102 (Classroom Environment & Mgt.)
- EDUC 4126 (Student Teaching)

COMPLETED	TO BE COMPLETED

**NOTES:**

1. By state law the candidate must have credit for six (6) semester hours of American History. Texas History may substitute for three (3) semester hours.
2. *Major:* The catalog defines the requirements of a major as a minimum of (30) Semester hours .One half (1/2) advanced and one quarter (1/4) taken in residency at TWU.
3. *Minor:* The sequence of education courses will be accepted in lieu of a minor.
4. Each degree requires a minimum of 124 hours, including 36 advanced hours. Thirty (30) of the last thirty-six (36) hours must be completed in residency at TWU.
5. A student may transfer no more that 72 semester hours from junior or community colleges. There is no maximum number of semester hours transferable from universities.
6. A student who holds a valid bachelor’s degree from another accredited college or university and who wishes to earn a second bachelor’s degree at TWU must complete the following legal requirements:
  - ◆ Six (6) semester hours of American History
  - ◆ Three (3) semester hours of National Government
  - ◆ Three (3) semester hours of State Government
  - ◆ Thirty-six (36) hours of advanced electives
  - ◆ Must meet departmental, residency and core requirements

**PROCEDURES**

1. The student will file TWU transcripts, TWU grade reports and TWU evaluations with Advisor at the time suggested by Advisor.

2. The catalog carrying the date a student was first enrolled in an accredited college or university may dictate the requirements for graduation for a five-year period. Beyond this time a new catalog must be consulted. The advisor and student should agree on the catalog date to be used and enter this information in the space designated “Catalog Date” on the opposite side of this form. This rule may be superseded by state law.
3. The student will list on this form all courses satisfactorily completed, as well as those to be completed, by course number.
4. The advisor should sign as Major Advisor and forward the form to the department Chair.
5. The Chair will be the sole authority for authorizing substitutions in the listing of major and minor courses.
6. The form will be forwarded to the College of Education. After approval and signature, the College of Education will return the form to the Department of Mathematics and Computer Science Chair.
7. Chair will forward the form to the Dean of the College of Arts and Sciences.
8. The Dean, if approval is granted, will forward the form to the Registrar’s Office at least one year prior to the expected date of graduation.
9. The Registrar’s Office will determine that legal and University-wide graduation requirements have been or will be satisfied for graduation.
10. The Registrar’s Office will notify the candidate for graduation steps to be followed for graduation (ordering diploma, invitations, academic regalia, and time and place of ceremony).

**ROUTE IN ORDER SHOWN**

*Due in Office of Admissions and Registration one year prior to the semester of graduation.*

1. \_\_\_\_\_ Date  
Student’s Signature
2. \_\_\_\_\_ Date  
Major Advisor
3. \_\_\_\_\_ Date  
Teacher Certification
4. \_\_\_\_\_ Date  
Department Chair
5. \_\_\_\_\_ Date  
Dean