



# COMPUTER SCIENCE CERTIFICATION PLAN (POST-BAC)

Since this plan and the listed exams are subject to change, this plan should be completed within a period of three calendar years.

**PLEASE NOTE: ALTHOUGH THESE COURSES MAY BE INCLUDED IN A GRADUATE DEGREE PLAN, THE COMPLETION OF THESE COURSES ALONE DO NOT LEAD TO A GRADUATE DEGREE!**

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**CONTENT AREA--39 hours**

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1. \_\_\_\_\_ C S 1382--Discrete Computational Structures  
**Prerequisite:** C S 1411
2. \_\_\_\_\_ C S 1411--Programming Principles I  
**Prerequisite:** Department approval
3. \_\_\_\_\_ C S 1412--Programming Principles II  
**Prerequisite:** C S 1411
4. \_\_\_\_\_ C S 2350--Computer Organization and Assembly Language Programming  
**Prerequisite:** C S 1412, E E 2372
5. \_\_\_\_\_ C S 2413--Data Structures  
**Prerequisite:** C S 1412
6. \_\_\_\_\_ C S 3352--Introduction to Systems Programming  
**Prerequisite:** C S 2350, C S 2413
7. \_\_\_\_\_ C S 3361--Concepts of Programming Languages  
**Prerequisite:** C S 2413
8. \_\_\_\_\_ C S 3364--Design and Analysis of Algorithms  
**Prerequisites:** C S 1382, C S 2413, and MATH 2360
9. \_\_\_\_\_ C S 3365--Software Engineering  
**Prerequisites:** C S 2413, MATH 3342 or equivalent
10. \_\_\_\_\_ C S 3368--Introduction to Artificial Intelligence  
**Prerequisite:** C S 1382
11. \_\_\_\_\_ C S 4352--Operating Systems  
**Prerequisites:** C S 3352 and C S 3364
12. \_\_\_\_\_ MATH 4310--Introduction to Numerical Analysis I  
**Prerequisite:** MATH 3350 or MATH 3354, or consent of instructor

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- ⇒ The State of Texas does criminal background checks on all applicants for Teacher Certification.  
⇒ The undergraduate requirements and/or the certification requirements may change according to state regulations.

By signing below, I signify that I understand the contents of this document.

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Certification Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Degree Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_