



COMPUTER SCIENCE FIELD OF STUDY CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE +	SEMESTERS OFFERED	CREDIT HOURS
<input type="checkbox"/>	1. COSC 1336 Programming Fundamentals I	F, Sp, Su	3
<input type="checkbox"/>	2. ENGL 1301 Composition I	F, Sp, Su	3
<input type="checkbox"/>	3. HIST 1301 United States History I	F, Sp, Su	3
<input type="checkbox"/>	4. MATH 2413 Calculus I	F, Sp, Su	4
<input type="checkbox"/>	5. MUSI 1306 Music Appreciation*	F, Sp, Su	3
			16 hours
<input type="checkbox"/>	6. CHEM 1411 General Chemistry I	F, Sp, Su	4
<input type="checkbox"/>	7. COSC 1337 Programming Fundamentals II	Sp	3
<input type="checkbox"/>	8. HIST 1302 United States History II	F, Sp, Su	3
<input type="checkbox"/>	9. MATH 2414 Calculus II	F, Sp	4
			30 hours
<input type="checkbox"/>	10. COSC 2336 Program Fundamentals III	F	3
<input type="checkbox"/>	11. ENGL 1302 Composition II*	F, Sp, Su	3
<input type="checkbox"/>	12. GOVT 2305 Federal Government	F, Sp, Su	3
<input type="checkbox"/>	13. PHIL 1301 Introduction to Philosophy*	F, Sp, Su	3
<input type="checkbox"/>	14. PHYS 2425 University Physics I	F, Sp, Su	4
			46 hours
<input type="checkbox"/>	15. COSC 2325 Computer Organization	Sp	3
<input type="checkbox"/>	16. GOVT 2306 Texas Government	F, Sp, Su	3
<input type="checkbox"/>	17. PHYS 2426 University Physics II	F, Sp, Su	4
<input type="checkbox"/>	18. PSYC 2301 General Psychology*	F, Sp, Su	3
<input type="checkbox"/>	19. SPCH 1315 Public Speaking*	F, Sp, Su	3
	*** FIELD OF STUDY IN COMPUTER SCIENCE DEGREE EARNED AND CORE CURRICULUM COMPLETED *** NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.		62 hours

READ ALL NOTES CAREFULLY:

- * Refer to Core Curriculum and KC Catalog for all possible course options.
- + Computer Competency Requirement must be met in order to earn an AS Degree.
[Click Here For Computer Competency Information](#)
- ! MATH 2412 (Pre-Calculus) is a prerequisite for this course. Approval is needed to begin in MATH 2413.
- a) Courses in **bold** have a pre-requisite (previous course required).
- b) Courses in *italics* can be taken in any order.
- c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
- d) Refer to KC Catalog for Field of Study and AS Degree Requirements.

CAREER OPPORTUNITIES

Computer Engineer
Computer Programmer
Game Developer
Software Engineer

ADVANCED DEGREE/CREDENTIAL OPPORTUNITIES

B.S. in Computer Science
B.S. in Software Engineering
B.S. in Computer Engineering
Industry certifications in programming languages

LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

Association for Computing Machinery (ACM) <http://www.acm.org/>
IEEE Computer Society <https://www.computer.org/>

CONTACT INFORMATION

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