



COMPUTER SCIENCE CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE+	SEMESTERS OFFERED	CREDIT HOURS
<input type="checkbox"/>	1. COSC 1436 Programming Fundamentals I**	F, Sp, Su	4
<input type="checkbox"/>	2. <i>ENGL 1301 Composition I</i>	F, Sp, Su	3
<input type="checkbox"/>	3. <i>HIST 1301 United States History I</i>	F, Sp, Su	3
<input type="checkbox"/>	4. <i>MUSI 1306 Music Appreciation*</i>	F, Sp, Su	3
<input type="checkbox"/>	5. <i>PHIL 1301 Introduction to Philosophy*</i>	F, Sp, Su	3
			<i>16 hours</i>
<input type="checkbox"/>	6. COSC 1437 Programming Fundamentals II	F, Sp, Su	4
<input type="checkbox"/>	7. ENGL 1302 Composition II*	F, Sp, Su	3
<input type="checkbox"/>	8. <i>HIST 1302 United States History II</i>	F, Sp, Su	3
<input type="checkbox"/>	9. MATH 2413 Calculus I	F, Sp, Su	4
			<i>30 hours</i>
<input type="checkbox"/>	10. COSC 2436 Programming Fundamentals III	F	4
<input type="checkbox"/>	11. <i>GOVT 2305 Federal Government</i>	F, Sp, Su	3
<input type="checkbox"/>	12. MATH 2414 Calculus II	F, Sp	4
<input type="checkbox"/>	13. PHYS 2425 University Physics I	F, Sp, Su	4
			<i>45 hours</i>
<input type="checkbox"/>	14. COSC 2325 Computer Organization	Sp	3
<input type="checkbox"/>	15. <i>GOVT 2306 Texas Government</i>	F, Sp, Su	3
<input type="checkbox"/>	16. MATH 2305 Discrete Mathematics	Sp	3
<input type="checkbox"/>	17. PHYS 2426 University Physics II	F, Sp, Su	4
<input type="checkbox"/>	18. <i>PSYC 2301 General Psychology*</i>	F, Sp, Su	3
	*** ASSOCIATE DEGREE AND COMPUTER SCIENCE FIELD OF STUDY EARNED ***		<i>61 hours</i>
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.		

READ ALL NOTES CAREFULLY:

- * Refer to Core Curriculum and KC Catalog for all possible course options.
- ** COSC 1436 Programming Fundamentals I has a prerequisite of MATH 1314 College Algebra or MATH 1324 Mathematics for Business and Social Sciences or special permission from the department chair.
- + Computer Competency Requirement must be met in order to earn an AS Degree. [Click Here For Computer Competency Information](#)
- 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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