

Texas Tech University

Whitacre College of Engineering

Bachelor of Science in Computer Science

Last Modified:

June 2011

First Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> CS 1411 Programming Principles	COSC 1415	4	<input type="checkbox"/> CS 1412 Programming Principles II	@ Tech	4
<input type="checkbox"/> ENGL 1301 Composition I	ENGL 1301	3	<input type="checkbox"/> CS 1382 Discrete Compu. Structure	@ Tech	3
<input type="checkbox"/> MATH 1351 Calculus I	MATH 2413	3	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	3
<input type="checkbox"/> POLS 1301 American Govt., Organization	GOVT 2301	3	<input type="checkbox"/> ENGL 1302 Composition II	ENGL 1302	3
<input type="checkbox"/> Behavioral Science Elective**	SOCI 1301	3	<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3
TOTAL 16			TOTAL 15		

Second Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> CS 2413 Data Structures	COSC 2415	4	<input type="checkbox"/> CS 2350 Computer Org. Assem. Lang.	@ Tech	3
<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4	<input type="checkbox"/> PHYS 2401 Physics II	PHYS 2426	4
<input type="checkbox"/> MATH 2350 Calculus III	MATH 2315	3	<input type="checkbox"/> MATH 2360 Linear Algebra	MATH 2318	3
<input type="checkbox"/> ECE 2372 Modern Digital System Design	@ Tech	3	<input type="checkbox"/> ENGL 2311 Technical Writing	ENGL 2311	3
<input type="checkbox"/> Visual and Performing Arts Elective**	ARTS 1303	3	<input type="checkbox"/> Elective (Natural Sciences)***	***	4
TOTAL 17			TOTAL 17		

Third Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 3342 Stats. Engineers & Scientists	@ Tech	3	<input type="checkbox"/> CS 3352 Intro Systems Program.	@ Tech	3
<input type="checkbox"/> CS 3361 Concepts of Prog. Lang	@ Tech	3	<input type="checkbox"/> Elective (CS - 3000 lvl)	@ Tech	3
<input type="checkbox"/> CS 3364 Des. & Analysis of Algorithms	@ Tech	3	<input type="checkbox"/> CS 3375 Computer Architecture	@ Tech	3
<input type="checkbox"/> CS 3383 Theory of Automata	@ Tech	3	<input type="checkbox"/> CS 3365 Software Engineering	@ Tech	3
<input type="checkbox"/> COMS 3358 Bus & Prof Comm or ENGR 2331 Prof Comm. For Engrs.	SPCH 1321	3	<input type="checkbox"/> Humanities Elective	Humanities*	3
TOTAL 15			TOTAL 15		

Fourth Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3	<input type="checkbox"/> CS 4311 Sr. Proj Design	@ Tech	3
<input type="checkbox"/> Elective (CS)	@ Tech	3	<input type="checkbox"/> Elective (CS)	@ Tech	3
<input type="checkbox"/> Elective (CS)	@ Tech	3	<input type="checkbox"/> CS 4352 Operating Systems	@ Tech	3
<input type="checkbox"/> Elective (CS)	@ Tech	3	<input type="checkbox"/> HIST 2301 American History after 1876	HIST 1302	3
<input type="checkbox"/> CS 4354 Con. Database Systems	@ Tech	3	TOTAL 15		
TOTAL 15					

Substitution Options:

* Humanities Electives Include: Any ENGL literature, PHIL 1301,

** Other classes available for these requirements, recommended classes meet Multicultural Requirement for

TTU Advisor Contact:

Dr. Richard Watson
806.742.3527 phone
richard.watson@ttu.edu
<http://www.depts.ttu.edu/coe/>

SPC Advisor Contact:

Courses of "D" are unlikely to transfer to this major. Students are required to maintain a GPA of 2.75 or higher to take upper division business coursework.

Transfer Check Sheets are intended as an advising tool and starting point for transfer research. Other options such as substitutions or specializations are not listed. We highly recommend working with an advisor (contact information listed above) and using the research resources available to you to fill the gaps and double check the information provided. Degree requirements are subject to change at any time.

Notes: