

Hours Remaining: 120

*Approx. number of hours remaining

*Includes currently enrolled courses

THE UNIVERSITY OF TEXAS AT TYLER

Soules College of Business

Undergraduate Advising 903-566-7363

Computer Science

2024-2025

Good through Summer 2025

STUDENT: _____ ID: _____

PHONE: _____ ADVISOR: _____ DATE: _____

Suggested University Core for BSCS students (see catalog) 46 hours					
Core complete on transcript from another Texas public institution prior to attending UT Tyler equates to core complete at UT Tyler.					
Core Category	Satisfied	Grade I	Grade II	Required Course Prefix & Number (All Core Courses require a "C" or higher) (Course numbers are listed according to UTT; transfer numbers may vary)	
Communication				6 hrs. ENGL 1301, ENGL 1302, ENGL 2311; CMST 1315; *HNRS 1352	
Math				4 hrs. MATH 2413 REQUIRED	
LAB Science I & II				8 hrs. BIOL 1306+1106 & 1307+1107 or CHEM 1311+1111 & 1312+1112 or PHYS 2325+2125 & 2326+2126 Must be taken in the same discipline; CORRESPONDING LABS REQUIRED	
Language, Philosophy & Culture				3 hrs. ENGL 2322, 2323, 2350, 2362, 2363, 2370; HIST 2321, 2322; PHIL 1301, 1304, 2303, 2306, 2331; *HNRS 1351	
Creative Arts				3 hrs. ART 1301, 1306, 2303, 2304; MUSI 1306, 1313, 2301, 2308; THTR 1301, 1356; *HNRS 2352	
History				6 hrs. HIST 1301, HIST 1302, HIST 1303	
Political Science				6 hrs. POLS 2305, POLS 2306	
Social Sciences				3 hrs. ANTH 2346; CRIJ 1301; ECON 1301, 2301, 2302; GEOG 1313; PSYC 1301; SOCI 1301	
Human Expression				3 hrs. ENGL 1301, 1302, 2322, 2323, 2350, 2362, 2363, 2370; MCOM 2307; PHIL 2331; CMST 1311; *HNRS 1351, *HNRS 2351	
STEM				4 hrs. MATH 2414 REQUIRED	
Computer Science Core – 39 hours		Prerequisites		Grade at Completion	Semester to be Taken
All CS Core Courses require a "C" or higher					
COSC 1336	Programming Fundamentals	None			
COSC 1337	Object Oriented Paradigm	COSC 1336			
COSC 2336	Data Structures and Algorithms	COSC 1337 & MATH 2413			
COSC 2315	Computer Organization	COSC 1336 & Any MATH			
COSC 3325	Algorithm Analysis & Foundations (FALL)	COSC 2336 & MATH 2330			FALL
COSC 3345	Computer Architecture (FALL)	COSC 2315			FALL
COSC 3355	Operating Systems (SPRING)	COSC 2315 & COSC 2336			SPRING
COSC 4315	Info Knowledge and Management (SPRING)	COSC 1337			SPRING
COSC 4385	Database Management Concepts (SPRING)	COSC 2336			SPRING
COSC 3315	Social and Professional Issues	COSC 1337			
COSC 4336	Software Development (FALL)	COSC 2336			FALL
COSC 4360	Net-Centric Computing (FALL)	COSC 2315 & COSC 2336			FALL
COSC 4395	Capstone Project	All UD COSC (Except 3355)			
Specified Support Courses – 35 hours		Prerequisites		Grade at Completion	Semester to be Taken
MATH 2330	Discrete Structures	MATH 2413			
MATH 3351	Prob. & Stats for Engineers & Scientists	MATH 2414			
MATH 3203	Matrix Methods	MATH 2413			
MANA 3370	Bus. Writing and Oral Presentations	None			
4 hr. LAB Science III		See Catalog for Prerequisites			
3 hr. LD/UD Science or UD MATH		See Catalog for Prerequisites			
3 hr. COSC UD Elective		See Catalog for Prerequisites			
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3 hr. COSC UD Elective		See Catalog for Prerequisites			
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3 hr. UD Elective		See Catalog for Prerequisites			
2 hrs. General Elective (UD or LD) to reach 120: MATH 2312		Prerequisite for MATH 2413			
(Must complete at least 24 of the last 30 Upper-Division credit hours in residence at UT Tyler)					

Student Signature

Advisor Signature

NOTES – Student is seeking a Bachelor of Science (BS) with a major in Computer Science; must have a minimum of 120 hours (42 UD hours and 45 resident hours for honors eligibility) and a UT Tyler GPA of 2.0+ to be eligible for graduation. International students must have all transient classes approved through the Office of International Programs. Please see your Advisor for an updated list of electives offered each semester.