

West Texas A&M University
STARR Center
Degree Checklist
2006-2007

NAME: _____ WT ID: _____ DATE: _____

Computer Science
Department of Computer Information Systems
CC 113 651-2444

CORE CURRICULUM COURSES (42 HOURS)		HRS
ENGL 1301 (ENG 101) (ENGLISH)		3
ENGL 1302* (ENG 102) (ENGLISH)		3
SCOM 1315 (101) or 1321** (201) (SPEECH COMMUNICATIONS)		3
MATH 1314* (110) or 1324** (115)		3
LAB SCIENCE (BIOLOGY, CHEMISTRY, GEOLOGY, PHYSICS, INTEGRATED SCIENCE**)		4
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ENGL 2332* (ENG 201), 2333* (202), 2371* (203); HIST 2372 (210); PHIL 1301 (101); or SPAN 2312*/**** (207) (ENGLISH, HISTORY, PHILOSOPHY, SPANISH) Choose 1		3
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (THRE 105) (FINE ARTS, ART, MUSIC, THEATRE) Choose 1		3
HIST 1301 (201) (HISTORY)		3
HIST 1302 (202) (HISTORY)		3
POSC 2305 (101) (POLITICAL SCIENCE)		3
POSC 2306 (102) (POLITICAL SCIENCE)		3
ANTH 2351 (201) ECON 2301 (ECO 201), GEOG 1302 (202), PSYC 2301 (PSY 201), SOCI 1301 (201) (ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, PSYCHOLOGY, SOCIOLOGY) Choose 1		3
PHED 1111 (SES 101) (PHYSICAL EDUCATION) Upon written recommendation of the University physician or the coordinator for Student Disability Services, students may substitute a one hour elective course in lieu of physical education course.		1
COMPUTER SCIENCE MAJOR REQUIREMENTS (51 HOURS)		
CIS 1315 (204) Programming Fundamentals		3
CS 2315* (207) (COMPUTER SCIENCE) Object-Oriented Paradigm in Java		
CIS 2390* (260) Systems Analysis and Design		3
CIS 3350* (450) Database Systems Design		3
CIS 4390* (490) Software Systems Development		3
CS 2325* (217) Computer Organization and Assembly Lang.		3
CS 2377* (290) Data Structures and Algorithms		3
CS 3307* (307) Algorithm Design and Analysis		3
CS 4325* (425) Computer Architecture		3
CS 4352* (452) Operating Systems		3
COMPUTER SCIENCE ADVANCED ELECTIVES		
Take 21 hours from: CIS 3360* (360) Object-Oriented Analysis and Design CIS 3382* (382) Enterprise Web-Based Applications Development CIS 3385* (385) Data Communications and Networking Technologies cont. →		

Bachelor of Science Degree
BS.CS (307)

CIS 4098* (497) Internship in CIS CIS 4372 (314) Information Visualization and User Interface Design CIS 4382* (482) Software Development in a Database Environment CIS 4392* (498) Applied Problems in Computer and Information Systems CS 3303* (new) Object-Oriented Software Development CS 3315* (315) Scripting Languages CS 4305* (405) Compiler Design CS 4320* (430) Multi-Platforms Networking and Networks Design CS 4330* (430) Computer Graphics CS 4360* Approaches to Internet and Computer Networks CS 4385* (485) Concurrency and Distributed Systems	21	
REQUIRED COURSES FROM OTHER DISCIPLINES (14 HOURS)		
MATH 2375* (215) Discrete Structures and Logic Design	3	
MATH 2413* (240) Calculus I	4	
MATH 2414* (241) Calculus II	4	
QBA 2342* (250) (QUANTITATIVE BUSINESS ANALYSIS) Statistics for Business and Economics	3	
ELECTIVES (16 HOURS BY ADVISEMENT)*****		
ELECTIVES		
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	123	

* Indicates prerequisites—see catalog for more information.

** Recommended for this degree.

*** If Integrated Science is chosen, all four three-hour courses must be completed to satisfy the core lab science requirement. They may not be used for partial lab science credit.

**** Or an equivalent course (second year, second semester) in French or German.

***** At least 36 hours of advanced work (courses at the 3000- or 4000-level) are required to receive a bachelor's degree. At least 30 must be earned in residence at WTAMU.

Revised 5/06
CS.BS

Note: This is NOT a degree plan. Upon completion of 60 hours, apply for a degree plan in the office of the dean of the College of Business located in the Classroom Center, Room 111, or call 651-2350.