

Texas A&M University-Central Texas

Name _____ SSN _____ Date _____

Bachelor of Science in Computer Information Systems with Certification (2009-2010)

General Education Requirement	Course Number (w/TCCNS equivalent)	Institution	Complete
Communications (010) 6 hours	ENGL 111 (ENGL 1301) Composition I ¹		
	ENGL 112 (ENGL 1302) Composition II ¹		
U. S. History (060) 6 hours	HIST 201 (HIST 1301) U.S. History through 1877		
	HIST 202 (HIST 1302) U.S. History Since Reconstruction		
Political Science (070) 6 hours	POLS 201 (GOVT 2302) American National Government		
	POLS 202 (GOVT 2301) Texas Government		
Speech (011) 3 hours	COMS 101 (SPCH 1311) Fundamentals of Speech COMS 102 (SPCH 1315) Public Speaking COMS 301 (SPCH 1321) Business & Professional Speaking ² (See Note #2)		
Humanities (040) 3 hours	Literature course in English or PHIL 101 (1301) Introduction to Philosophy		
Natural Science (030) 7 hours	CHEMISTRY, BIOLOGY, GEOLOGY, & PHYSICS		
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Mathematics (020) 3 hours	MATH 107 (Math 1314) College Algebra		
Social/Behavioral Science (080) 3 hours	See TAMU-CT General Education Requirements below ³		
Visual/Performing Arts (050) 3 hours	See TAMU-CT General Education Requirements below ³		
Wellness (090) 2 hours	HLTH 101 (PHED 1304) or 2 hours of activity P.E.		

Major Requirements	Hours	Institution	Complete
CIS 305 Operating Systems Theory and Practice	3		
CIS 315 Web Site Development & Design	3		
CIS 340 Advanced C++ Programming	3		
CIS 351 Data Structures	3		
CIS 389 System Analysis and Design	3		
CIS 401 Database Theory and Practice	3		
CIS 405 Management Issues for Computer Information Systems	3		
CIS 452 Structured Query Language	3		
EDU 320 Professional Development I: Understanding Learners	3		
EDU 330 Professional Development II: Effective Instruction	3		
EDU 430 Professional Development III: Application of Effective Teaching Practices	3		
EDU 435 Professional Development IV: Issues in Professional Development	3		
EDU 490 Practicum in Teaching	6		
ENGL 309 Technical Writing ¹	3		
RDG 351 Content Area Reading	3		
CIS 103 (COSC 1300) Computer Concepts & Applications or CIS 300 Computer Technology & Impact	3		
CIS 303 Programming Logic and Design	3		
CIS 330 C++ Programming	3		
CIS 342 Advanced Java Programming	3		
PSY 330 Educational Psychology or PSY 220 (PSYC 2308)	3		
Lower level teaching field (100 or 200 level) See Advisor	12		
Upper level teaching field (300 or 400 level) See Advisor	12		
CIS or C S Elective	3		

Total hours: 132

****Please note that courses in bold are lower level courses that must be taken at one of our two-step transfer colleges (Central Texas College, Temple College) or at another university.****

¹ Grade of C or better required.

² Grade of B or better required.

³ Select from the appropriate section of the General Education Course List in the 09-10 catalog.

⁴ This course counts toward the general education and the major requirement.