

Texas A&M University-Central Texas

Name _____ SSN _____ Date _____

**Bachelor of Science in Computer Information Systems
(Software Engineering & Database Design)(2009-2010)**

General Education Requirement	Course Number (w/TCCNS equivalent)	Institution	Complete
Communications (010) 6 hours	ENGL 111 (ENGL 1301) Composition I		
	ENGL 112 (ENGL 1302) Composition II		
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		
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 ¹		
Visual/Performing Arts (050) 3 hours	See TAMU-CT General Education Requirements below ¹		
Wellness (090) 2 hours	HLTH 101 (PHED 1304) or 2 hours of activity P.E.		

Major Requirements	Hours	Institution	Complete
CIS 347 Data Communications	3		
CIS 389 System Analysis and Design	3		
CIS 401 Database Theory and Practice	3		
CIS 450 Management Information Systems	3		
CIS 480 Software Engineering	3		
ENGL 309 Technical Writing or G B 312 Business Correspondence	3		
G B 311 Business Statistics	3		
MGMT 301 Principles of Management	3		
CIS 300 Computer Technology & Impact	3		
CIS 303 Programming Logic & Design	3		
CIS 340 Advanced C++ Programming, CIS 341 Advanced Visual Basic Programming, or CIS 342 Advanced Java Programming	3		
CIS 330 C++ Programming, CIS 331 Visual Basic Programming, CIS 332 Java Programming	6		
CIS 305 Operating Systems Theory & Practice	3		
CIS 340 Advanced C++ Programming, CIS 341 Advanced Visual Basic Programming, CIS 342 Advanced Java Programming or CIS 343 C# for Windows and Web Programming	3		
ACC 203 Intro to Financial Accounting or ACC 300	3		
ADVANCED CIS ELECTIVES (CIS 315 Web Site Development & Design)	3		
ADVANCED CIS ELECTIVES (CIS 351 Data Structures)	3		
ADVANCED CIS ELECTIVES (CIS 452 Structured Query Language)	3		
ADVANCED CIS ELECTIVES (CIS 440 Algorithm Design and Analysis)	3		
CIS ELECTIVES	6		
ELECTIVES	12		

Total hours: 120

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