

Bachelor of Business Administration – Computer Information Systems – Software and Database Design Concentration

2026-2027 Transfer Guide

Texas A&M University–Central Texas

The courses outlined in this section provide a year-by-year guide for full-time students, fulfilling the requirements for the **Bachelor of Business Administration in Computer Information Systems with a Software and Database Design Concentration** at Texas A&M University–Central Texas. All guides can be adjusted to accommodate the needs of part-time students. For the official degree requirements, please refer to the Texas A&M University–Central Texas [catalog](#).

BACHELOR OF BUSINESS ADMINISTRATION IN COMPUTER INFORMATION SYSTEMS WITH A SOFTWARE AND DATABASE DESIGN CONCENTRATION

YEAR 1 TOTAL HOURS:30

CORE 010 ¹ – Communication	3 SCH
CORE 020 ¹ – Mathematics	3 SCH
CORE 030 ¹ – Life and Physical Science	3 SCH
CORE 050 ¹ – Creative Arts	3 SCH
ACCT 2301 – Principles of Financial Accounting (CORE 090)	3 SCH
CORE 040 ¹ – Language, Philosophy, and Culture	3 SCH
CORE 030 ¹ – Life and Physical Science	3 SCH
ECON 2301 – Principles of Macroeconomics (CORE 080)	3 SCH
ACCT 2302 – Principles of Managerial Accounting	3 SCH
CHOOSE ONE: COSC 1301 – Introduction to Computing	
BCIS 1305 – Business Computer Applications <i>or</i>	
CIS 3300 – Computer Technology and Impact	3 SCH

YEAR 2 TOTAL HOURS:30

CHOOSE ONE: SPCH 1311 – Introduction to Speech Communication	
SPCH 1315 – Public Speaking <i>or</i>	
SPCH 1321 – Business & Professional Communication	3 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
ECON 2302 – Principles of Microeconomics (CORE 090)	3 SCH
ELECTIVE ^{2,3} – Any Level Elective	3 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
CHOOSE ONE: COSC 1320 – C Programming I	
COSC 1336 – Programming Fundamentals I	
CIS 3330 – C++ Programming	
CIS 3331 – Visual Basic Programming <i>or</i>	
CIS 3332 – Java Programming	3 SCH
CHOOSE ONE: COSC 1315 – Fundamentals of Programming <i>or</i>	
CIS 3303 – Programming Logic and Design	3 SCH
BUSI 3301 – Professionalism and Communication in Business	3 SCH

YEAR 3 TOTAL HOURS:30

CIS 3302 – Introduction to Business Analytics	3 SCH
CHOOSE ONE: BUSI 3332 – Legal Environment of Business <i>or</i>	
BUSI 2301 – Business Law	3 SCH
FIN 3301 – Financial Management I	3 SCH
MKTG 3301 – Marketing	3 SCH
MGMT 3350 – Management and Organizational Behavior	3 SCH

CIS 3347 – Data Communications and Infrastructure	3 SCH
CIS 3360 – Ethics in Computing	3 SCH
CHOOSE ONE: CIS 3340 – Advanced C++ Programming	
CIS 3341 – Advanced Visual Basic Programming	
CIS 3342 – Advanced Java Programming <i>or</i>	
CIS 3343 – C# Programming for Windows and the Web	3 SCH
CIS 4341 – Information Technology Security and Risk Management	3 SCH
CHOOSE ONE: BUSI 3311 – Business Statistics <i>or</i>	
BUSI 2305 – Business Statistics	3 SCH

YEAR 4	TOTAL HOURS:30
CIS 3351 – Data Structures	3 SCH
CIS 3365 – System Analysis and Design	3 SCH
CIS 4301 – Database Theory and Practices	3 SCH
CIS 4350 – Management Information Systems	3 SCH
CIS 4351 – IS Project Management	3 SCH
CIS 4340 – Algorithm Design and Analysis	3 SCH
CIS 4352 – Structured Query Language	3 SCH
CIS 4360 – Strategic Information Systems	3 SCH
BUSI 4359 – Business Strategy	3 SCH
CIS 4379 – Software Engineering for E-Business	3 SCH
BUSI 4090 – Business Capstone Assessment	0 SCH

TOTAL CREDITS: 120 HOURS

NOTES

Texas A&M–Central Texas only offers upper-level courses (those labeled 3XXX-5XXX), all lower-level courses (those labeled 1XXX-2XXX) should be completed at the transferring institution. A minimum of 120 semester credit hours is required for all baccalaureate degrees. For help with transfer planning, please speak with an [academic advisor](#) or [enrollment specialist](#). ***This transfer guide is intended for planning and visualization purposes and is subject to change.***

1. Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
2. Any level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
3. Lower-Level Electives, Any Level Electives, Component Area Options, or Degree Requirements (DEG REQ) may consist of the FOS courses: MATH 1324, ECON 2301, ECON 2302, BCIS 1305, ACCT 2301, ACCT 2302, BUSI 1301, BUSI 2305.