

Bachelor of Applied Arts & Sciences
Information Technology – Data Analytics 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 Applied Arts & Sciences – Information Technology – Data Analytics 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 APPLIED ARTS AND SCIENCES IN INFORMATION TECHNOLOGY WITH A DATA ANALYTICS CONCENTRATION

YEAR 1	TOTAL HOURS:33
Occupational/Technical Specialization ²	3 SCH
Occupational/Technical Specialization ²	3 SCH
Occupational/Technical Specialization ²	3 SCH
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Occupational/Technical Specialization ²	3 SCH
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Occupational/Technical Specialization ²	3 SCH
Occupational/Technical Specialization ²	3 SCH
Occupational/Technical Specialization ²	3 SCH
Occupational/Technical Specialization ²	3 SCH
YEAR 2	TOTAL HOURS:30
Occupational/Technical Specialization ²	3 SCH
CORE 010 ¹ – Communications Core	3 SCH
CORE 020 ¹ – Mathematics Core	3 SCH
CORE 060 ¹ – American History Core	3 SCH
CORE 050 ¹ – Creative Arts Core	3 SCH
CORE 010 ¹ – Communications Core	3 SCH
CORE 060 ¹ – American History Core	3 SCH
CORE 080 ¹ – Social and Behavioral Sciences Core	3 SCH
CORE 030 ¹ – Life and Physical Science Core	3 SCH
CORE 070 ¹ – Government/Political Science Core	3 SCH
YEAR 3	TOTAL HOURS:33
CORE 030 ¹ – Life and Physical Science Core	3 SCH
CORE 090 ¹ – Component Area Option Core	3 SCH
CORE 040 ¹ – Language, Philosophy, and Culture Core	3 SCH
CORE 070 ¹ – Government/Political Science Core	3 SCH
CHOOSE ONE: COSC 1320 – C Programming I (CORE 090)	
COSC 1336 – Programming Fundamentals I	
CIS 3330 – C++ Programming	
CIS 3331 – Visual Basic Programming <i>or</i>	
CIS 3332 – Java Programming	3 SCH
CIS 3302 – Introduction to Business Analytics	3 SCH
CIS 3306 – Data Visualization	3 SCH
CIS 4341 – Information Technology Security and Risk Management	3 SCH
BUSI 3311 – Business Statistics	3 SCH
CIS 3347 – Data Communications and Infrastructure	3 SCH

CIS 3360 – Ethics in Computing	3 SCH
YEAR 4	TOTAL HOURS:24
CIS 4350 – Management Information Systems	3 SCH
CIS 4302 – Web & Social Analytics	3 SCH
CIS 3365 – System Analysis and Design	3 SCH
CIS 4301 – Database Theory and Practices	3 SCH
CIS 4352 – Structured Query Language	3 SCH
CIS 4303 – Data Mining	3 SCH
CIS 4360 – Strategic Information Systems	3 SCH
ELECTIVE – Upper-Level CIS Elective	3 SCH
CIS 4090 – Computer Information Systems 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. For the Occupational/Technical Specialization credits, students must have a minimum of 12 semester credit hours consisting of technical, occupational, and military training and many include academic electives to complete the maximum allowable 36 semester credit hours.