



Computer Systems – Database Development Track to  
Bachelor of Applied Arts & Sciences  
**Guided Pathway**  
Effective for the 2016-2017 Catalog



**First Year - Collin County Community College**

FIRST SEMESTER	SECOND SEMESTER
COSC 1315 – Introduction to Computer Programming*	COSC 1337 – Programming Fundamentals II*
ECON 1301 – Introduction to Economics*	C ENGL 1301 – Composition I (010)
ITSW 1304 – Introduction to Spreadsheets – Excel	ITNW 1358 – Network+
ITSW 1307 – Introduction to Database – Access	ITSE 2309 – Database Programming - SQL
C MATH 1324 – College Algebra* (020)	C MATH 1342 – Elementary Statistical Methods (020)

**Second Year - Collin County Community College**

It's best to apply to TAMUC a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
ENGL 2311 – Technical and Business Writing	ITSC 2380 – Cooperative Education - Computer and Information Sciences, General (Capstone)*
ITSE 1311 – Beginning Web Programming	ITSE 2347 – Advanced Database Programming
ITSE 2370 – Descriptive Analytics	ITSY 2354 – Advanced Oracle PL/SQL
ITSW 2370 – SAS Programming	ITSY 1300 – Fundamentals of Information Security (Security+)
C SPCH 1321 – Business and Professional Speaking* (090)	C PHIL 2303 – Introduction to Logic* (040)

**AAS: Computer Systems – Database Development Track**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**Third Year - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
C ENG 1302 - GLB/US-Written Argument/Research	C HIST 1302 - U.S. History from 1865
C HIST 1301 - U.S. History to 1877	C PSCI 2302 - US/TX Government; Institutions & Policies <sup>2</sup>
C PSCI 2301 - Principles of US and Texas Government <sup>2</sup>	C ANY LIFE & PHYSICAL SCIENCE CORE
C ANY LIFE & PHYSICAL SCIENCE CORE	C ANY CREATIVE ARTS CORE
BAAS 301 Principles of Applied Sciences	BAAS 326 Tech Techniques & Solutions
C ANY SOCIAL OR BEHAVIORIAL SCIENCE CORE	

**Fourth Year - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
TMGT 458 Project Management	TMGT 350 Principles of Technology Management
BAAS 345 Leadership Techniques	BAAS 445 Ethical Decision Making
BAAS 408 Advanced Problem Solving (Pre-Req BAAS 326)	Upper Level Elective
BAAS 351 Financial Tools for Mangers (Pre Req BAAS 326)	Upper Level Elective
BAAS 443 Professional Standards	TMGT 303 Technical Communications

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

Part-time students may also follow this sequence. Developmental coursework may be required.

- \* You may take a different course to meet this requirement. A specific list is available from your advisor.
- C This course counts for the Core Curriculum at any public college or university in Texas.
- () Course numbers shown in parentheses are equivalent to these courses at TAMUC.

*For questions about the University portion of this guided pathway, contact the Applied Science Academic Advising Office at (903) 886-5155 or Misty.Lair@tamuc.edu.*