



AAS in Computer Systems – Database Development Track to  
Bachelor of Applied Arts & Sciences  
**Guided Pathway**



Effective for the 2017-2018 Catalog  
**First Year - Collin 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)

Total Semester Hours: 15 SCH

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**Second Year - Collin 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)

Total Semester Hours: 15 SCH

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**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 BEHAVIORAL 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 Managers (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.