



AAS Database Development
Guided Pathway
Effective beginning with the 2022-2023 catalog

First Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
COSC 1315 Intro. to Computer Programming or COSC 1436 Programming Fundamentals I	ENGL 1301 Composition I
ITSE 1311 Beginning Web Programming	Mathematics (see list below)
ITSW 1304 Introduction to Spreadsheets - Excel	Social/Behavioral Sciences (see list below)
ITSE 1346 Database Theory and Design	ITNW 1358 Network+
ITSW 1307 Introduction to Database - Access	ITSE 2309 Database Programming - SQL
15 credit hours	15 credit hours

Second Year - Collin College

FIRST SEMESTER	SECOND SEMESTER
ITSE 1330 Introduction to C# Programming	ITSC 2380 Cooperative Education - Computer and Information Sciences, General (Capstone) or INEW 2330 Comprehensive Software Project: Planning and Design
ENGL 2311 Technical and Business Writing	ITSY 2354 Advanced Oracle PL/SQL
ITSC 1315 Project Management	Speech (see list below)
ITSE 2347 Advanced Database Programming	Humanities/Fine Arts (see list below)
ITSY 1300 Fundamentals of Info. Security (Security+)	Analytics Elective (see list below)
15 credit hours	15 credit hours

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Contact your advisor at Collin College for information about applying for your associate degree.

Core Curriculum transferrable to any public college or university in Texas.

Collin Options:

Mathematics – choose one from: **MATH** 1314, 1316, 1324, 1325, *1332, 1342, 1350, 1351, 2305, 2318, 2320, 2412, 2413, 2414, 2415 *Check with academic advising regarding transferability. Some majors or institutions may require a higher-level mathematics course.

Humanities/Fine Arts – choose one from: **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **ENGL** 2322, 2323, 2327, 2328, 2332, 2333, 2341, **HIST** 2311, 2312, 2321, 2322, **HUMA** 1301, **MUSI** 1306, 1307, 1310, **PHIL** 1301, 1304, 2303, 2306, 2307, 2321

Social/Behavioral Sciences – choose one from: **ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **GOVT** 2305, 2306, **HIST** 1301, 1302, 2301, **PSYC** 2301, **SOCI** 1301, 1306

Speech – choose one from: **SPCH** 1311, 1315, 1321

Analytics Elective – (3 credit hours): **ITSE** 2370, **ITSW** 2334, **ITSE** 1393, or **ITSW** 2370