TXST Local at Dallas College - Guided Pathway

**Field of Study in Business**

**Bachelor of Business Administration (B.B.A.) Major in Information Systems with a concentration in AI Development**

**First Year – Dallas College/Texas State University**

Courses taught by Texas State University

| **FIRST SEMESTER** | **SECOND SEMESTER** |
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| **C** ENGL 1301 Composition I (Core 010; “B” or better is required)  | **C** ENGL 1302 – Composition II (Core 010; “B” or better is required) |
| **C** MATH 1324 (Core 020; Prerequisite for TXST coursework-“C” or better required) | MATH 1325-Calculus for Business and Social Sciences  |
|  BUSI 1301 – Business Principles | BCIS 1305 – Business Computer Applications |
| **C** HIST 1301 United States History I (Core 060) | **C** ECON 2302 – Principles of Microeconomics (“C” or better is required) |
| **C** SPCH 1315 (Core 090; Prerequisite for TXST coursework) | BLAW 3301-Legal Environment of Business |
| US 1100-University Seminar  | **C** PHED 1164- Introduction to Physical Fitness and Wellness |
| **16 credit hours** | **16 credit hours** |

**Second Year – Dallas College/Texas State University**

Courses taught by Texas State University

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| **FIRST SEMESTER** | **SECOND SEMESTER** |
| **C** BIOL 1408 Biology for Non-Science Majors I (Core 030) | BIOL 1409 – Biology for Non-Science Majors II (Core 030) |
| **C** GOVT 2305 – Federal Government (Core 070) | ACCT 2302 – Principles of Managerial Accounting |
| ACCT 2301 – Principles of Financial Accounting (“C” or better needed)  | BUSI 2305 – Business Statistics |
| ECON 2301 – Principles of Macroeconomics (“C” or better needed) | **C** HIST 1302 - United States History II (Core 060) |
| MGT 3303-Management of Organizations | FIN 3312-Business Finance |
| **16 credit hours** | **16 credit hours** |

**Third Year – Texas State University/ Dallas College**

Courses taught by Texas State University

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| **FIRST SEMESTER** | **SECOND SEMESTER** |
| ISAN 3380-Enterprise Information Technology and Business Intelligence | B A 3120-Professional Development II |
| B A 3110-Professional Development I | ISAN 3325 Business Programming II |
| ISAN 3374 System Analysis and Design | ISAN 3382 Computer Data Base Systems |
| ISAN 3305 Business Programming  | ISAN 3392 Introduction to Machine Learning |
| **C** GOVT 2306-Texas Government (Core 070) | **C** ARTS 1301 - Art Appreciation (Core 050) |
| **C** PHIL 2306 - Introduction to Ethics (Core 040) |  |
| **16 credit hours** | **13 credit hours** |

**Fourth Year – Texas State University**

Courses taught by Texas State University

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| **FIRST SEMESTER** | **SECOND SEMESTER** |
| MKT 3343-Principles of Marketing | ISAN 4360 Developing AI Solutions for the Enterprise |
| ISAN or ANLY Advanced Elective | MGT 4335-Strategic Management and Business Policy **(WI)** |
| ISAN 4328 Artificial Intelligence: Development and Application | ISAN Advanced Elective |
| MGT 3353 Business Communication **(WI)** | Restricted Business Elective  |
| ISAN Advanced Elective |  |
| **15 credit hours** | **12 credit hours** |

## ISAN Advanced Elective Options

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|  ISAN 3348 Data Communications and Network Architecture | ISAN 4349 Advanced Database Management Systems |
| ISAN 3350 Information Systems Security | ISAN 4350 Ethical Hacking |
| ISAN 3360 Web Design and Development | ISAN 4358 Network and Cloud Administration |
| ISAN 3389 Programming for Data Processing | ISAN 4373 Topics in Information Systems |
| ISAN 3390 Agile Project Management | ISAN 4373A Cyber-Warfare: Actors, Techniques, and Impact |
| ISAN 4318 Object Oriented Development | ISAN 4373D Artificial Intelligence in Business Operations |
| ISAN 4321 Mobile Application Development for Android | ISAN 4373E Programming for Information Security |
| ISAN 4322 Computer System Development and Design | ISAN 4395 Independent Study in Information Systems |
| ISAN 4325 Legacy Systems: Applications, Development, and Support | ISAN 4399 Information Systems Internship |
| ISAN 4332 Enterprise Resource Planning Systems |  |

## ANLY Advanced Elective Options

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|  ANLY 3314 Decision Analytics | ANLY 4320 Analytics in Practice |
| ANLY 3330 Introduction to Business Analytics | ANLY 4321 Predictive Analytics |
| ANLY 3334 Statistical Modeling | ANLY 4373 Special Topics in Analytics |
| ANLY 3339 Data Mining and Visualization | ANLY 4373A Operations Analytics |
| ANLY 3341 Computational Methods for Analytics | ANLY 4373F Big Data Analysis and Artificial Intelligence |

## Restricted Business Elective Options

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|  ACC 3305 Financial Accounting and Reporting | MGT 3360 Entrepreneurship Studies |
| ACC 3313 Intermediate Accounting I | MGT 4375 Organizational Behavior and Human Relations |
| BLAW 3360 Business Organizations and Government Regulations | MKT 3370 Marketing Research |
| ECO 3335 Managerial Economics | MKT 3387 Digital Marketing |
| ECO 4313 Econometrics | MKT 4310 International Marketing |
| FIN 3313 Financial Management | MKT 4337 Marketing Management |

**TXST Bachelor of Business Administration with a Major in Information Systems with a concentration in AI Development Degree Requirements:**

* Admission Requirements: Specific admission requirements that must be met are based on the total number of college credit hours a student has completed and has posted to their Texas State transcript at the time of application submission. Review [McCoy College of Business](https://advising.mccoy.txst.edu/mccoy-internal-admission.html) website for additional information.
* Students must achieve the following minimum grade-point averages for graduation:
	+ a Texas State GPA of 2.00
	+ a Business GPA of 2.25 (includes common business core, major(s), and restrictive/advanced electives); and
	+ a GPA of 2.0 in the minor(s); and
	+ a major GPA of 2.25.
* Nine hours of writing intensive (WI) coursework are required for graduation.
* Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
* The number of free electives a student will complete varies, depending on the number of hours needed to satisfy the 120 and/or the 36 advanced or 9 hours writing intensive requirements. Students should consult with the academic advisor before enrolling in any free elective courses to ensure that electives are needed.

**Students should review the catalog entry for the Bachelor of Business Administration (B.B.A.) Major in Information Systems with a concentration in AI Development and meet with an advisor before enrolling in TXST coursework.**