



**Guided Pathway**

Associate of Applied Science in Information Technology  
 Bachelor of Applied Arts and Sciences with a major in Information Technology



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

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> *ENGL 1301 Composition I (Core 010)	*ITSC 1325 – Personal Computer Hardware (Occupational Emphasis TXST)
<sup>C</sup> *MATH X3XX (Core 020)	*ITNW 1309 Fundamentals of Cloud Computing(Occupational Emphasis TXST)
*ITNW 1325-Fundamentals of Networking Technologies (Occupational Emphasis TXST)	*ITNW 1308 Implementing and Supporting Client Operating Systems (Occupational Emphasis TXST)
<sup>C</sup> *BCIS 1305 Business Computer Application (core 090)	*ITSY 1342 Information Technology Security (Occupational Emphasis TXST)
*COSC 1301 Introduction to Computing (Occupational Emphasis TXST)	<sup>C</sup> POSI 2310 Principles of American Government (Core 070)
US 1100 University Seminar	
<b>16 credit hours</b>	<b>15 credit hours</b>
<b>Summer – Central Texas College County College</b>	
<sup>C</sup> *Creative Arts (Core 050)	<sup>C</sup> *Social/Behavioral Sciences (core 080)
	<b>6 credit hours</b>

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

FIRST SEMESTER	SECOND SEMESTER
* COSC 1315 Intro to Computer Programming or ITSE 1329 Programming Logic and Design (Occupational Emphasis TXST)	*ITSC 1315 IT Project Management Occupational Emphasis at TXST))
* ITNW 1337 Intro to the Internet (Occupational Emphasis TXST)	*IMED 1316 Web Design (Occupational Emphasis TXST)
* ITNW 1316 Introduction to Network Administration (Occupational Emphasis TXST)	*ITSW 1307 Introduction to Database (Occupational Emphasis TXST)
*ITSC 1316 Linux Installation and Configuration (Occupational Emphasis TXST)	<sup>C</sup> *ENGL 2311 Technical and Business Writing (core 010)
<sup>C</sup> POSI 2320 Functions of American Government (Core 070)	*ITSC 2339 Personal Computer Help Desk Support or ITSC-2386: Internship - Computer and Information Sciences, General (2 hours Occupational Emphasis TXST)
<b>15 credit hours</b>	<b>15 credit hours</b>



### Guided Pathway

Associate of Applied Science in Information Technology  
Bachelor of Applied Arts and Sciences with a major in Information Technology



### Third Year - Texas State University/- Central Texas College

OCED 3350: Introduction to Interdisciplinary Studies for the Bachelor of Applied Arts and Sciences Degree	CTE 3315: Leadership and Professional Development
OCED 4350: Adult Development and Career Planning	OCED 4302: Trends and Issues in OWLS
<sup>c</sup> Component Area Option (Core 090)	CTE 3323. Technology Applications.
<sup>c</sup> HIST 1301 United States History I (Core 060)	<sup>c</sup> HIST 1302 US History II (Core 060)
<sup>c</sup> Life/Physical Science (Core 030)	<sup>c</sup> Life/Physical Science (Core 030)
<b>15 credit hours</b>	<b>15 credit hours</b>

### Fourth Year – Texas State University

FIRST SEMESTER	SECOND SEMESTER
CTE 3371: Systems Analysis and Design in Information Technology	OCED 4360. Bachelor of Applied Arts and Sciences Capstone Part 1.
CTE 3313P: Project Management	OCED 4361. Bachelor of Applied Arts and Sciences Capstone Part 2.
<sup>c</sup> Language, Culture and Philosophy (Core 040)	CTE 3372: Database Theory and Practices in Information Technology
CTE Advanced Elective	CTE 3373: Artificial Intelligence in the Workplace
<b>12 credit hours</b>	<b>12 credit hours</b>

**\*Required class for AAS Degree**

<sup>c</sup> Fulfills core requirement

Classes highlighted in gray are completed at TXST



## Guided Pathway

Associate of Applied Science in Information Technology  
Bachelor of Applied Arts and Sciences with a major in Information Technology



### TXST Graduation Minimums:

- A minimum of 36 hours of advanced (3000-4000) level coursework is required.
- A minimum of 9 hours of writing Intensive coursework is required.
- A minimum of 120 overall hours is required.
- A minimum of a 2.0 Texas State GPA is required
- A minimum of a 2.25 major GPA is required

**Important Note:** This pathway map is intended for planning purposes only and does not guarantee course availability or fulfillment of degree requirements. Requirements may vary based on individual circumstances. Students are strongly encouraged to meet with an academic advisor regularly to ensure they are on track to complete their academic program.