

**AAS – Network Administration – Cybersecurity to
BAAS – Information Technology
Software and Database Design Concentration
2021-2022 Transfer Pathway**

| AAS Degree Requirements | | | | | | | |
|-------------------------------|----------|--------------------------------------|-----|---|----------|--|-----------|
| McLennan Community College | | | | | | | |
| MCLENNAN | TAMUCT | Course Name | SCH | MCLENNAN | TAMUCT | Course Name | SCH |
| BCIS 1305 | CORE 090 | Business Computer Applications | 3 | ITCC 2320 CCNA 3 ² | VOBU | Entrprse/Ntwrk/Secur/Autom | 3 |
| ITSY 1342 ² | VOBU | Information Tech Security | 3 | ITNW 1354 ² | VOBU | Implementing and Support Servers | 3 |
| ITCC 1314 CCNA 1 ² | VOBU | Introduction to Networks | 3 | ITSE 2309 ² | VOBU | Database Programming | 3 |
| ITSE 1302 ² | VOBU | Computer Programming | 3 | ITSY 2359 ² | VOBU | Security Assessment & Auditing | 3 |
| ITSC 1305 ² | VOBU | Introduction to PC Operating Systems | 3 | ITSC 2325 ² | VOBU | Advanced Linux | 3 |
| ITSC 1316 ² | VOBU | Linux Installation and Configuration | 3 | ENGL 1301 or 2311 | CORE 010 | Composition I or Technical & Business Writing | 3 |
| ITCC 1344 CCNA 2 ² | VOBU | Switch/Rout/Wireless Essen | 3 | CORE 040 | CORE 040 | Language, Philosophy & Culture Core Selection | 3 |
| CORE 020 | CORE 020 | Mathematics Core Selection | 3 | ITSY 2341 ² | VOBU | Security Management Practices | 3 |
| ITSC 1325 ² | VOBU | Personal Computer Hardware | 3 | ITSC 2339, 2386 or ITSY 2386 ² | VOBU | Personal Computer Help Desk, Internship – Computer & Information Science, or Internship – Computer & Information System Sec. | 3 |
| ITSY 2342 ² | VOBU | Incident Response and Handling | 3 | CORE 080 | CORE 080 | Social & Behavioral Science Core Selection | 3 |
| Subtotal | | | | | | | 60 |

| Additional Lower-Level or Upper-Level Degree Requirements | | | |
|--|--------------------------------------|---|-----------|
| McLennan Community College or Texas A&M University – Central Texas | | | |
| McLennan Community College | Texas A&M University - Central Texas | Course Name | SCH |
| CORE 010 ¹ | CORE 010 | Communications Core Selection | 3 |
| CORE 030 ¹ | CORE 030 | Life and Physical Science Core Selection | 3 |
| CORE 030 ¹ | CORE 030 | Life and Physical Science Core Selection | 3 |
| CORE 050 ¹ | CORE 050 | Creative Arts Core Selection | 3 |
| CORE 060 ¹ | CORE 060 | American History Core Selection | 3 |
| CORE 060 ¹ | CORE 060 | American History Core Selection | 3 |
| CORE 070 ¹ | CORE 070 | Government/Political Science Core Selection | 3 |
| CORE 070 ¹ | CORE 070 | Government/Political Science Core Selection | 3 |
| COSC 1320 or 1336 ^{1,3} | CORE 090 | C Programming I or Programming Fundamentals I | 3 |
| BUSI 2305 ^{1,3} | BUSI 2305 | Business Statistics | 3 |
| Subtotal | | | 30 |

| Upper-Level Degree Requirements | | | | | |
|--------------------------------------|--|-----|--------------------------------------|-------------------------------------|------------|
| Texas A&M University - Central Texas | | | | | |
| Texas A&M University - Central Texas | Course Name | SCH | Texas A&M University - Central Texas | Course Name | SCH |
| CIS 3347 | Data Communications and Infrastructure | 3 | CIS 3351 | Data Structures | 3 |
| CIS 3340, 3341, 3342 or 3343 | Advanced C++ Programming, Advanced Visual Basic Programming, Advanced Java Programming or C# Programming for Windows and the Web | 3 | CIS 4360 | Strategic Information Systems | 3 |
| CIS 3360 | Ethics in Computing | 3 | CIS 4340 | Algorithm Design and Analysis | 3 |
| CIS 3365 | System Analysis and Design | 3 | CIS 4352 | Structured Query Language | 3 |
| CIS 4301 | Database Theory and Practice | 3 | CIS 4379 | Software Engineering for E-Business | 3 |
| CIS 4341 | Information Technology Security and Risk Management | 3 | Upper-Level CIS Elective | Upper-Level CIS Elective | 3 |
| CIS 4350 | Management Information Systems | 3 | | | |
| Subtotal | | | | | 39 |
| Total | | | | | 129 |

Notes/Comments

The following Pathway Plan is suggested for full-time students. Part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

- Not all Degree Requirement courses are completed with the AAS. Student will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
- For the Occupational/Technical Specialization credits, students must have a minimum of 12 semester credit hours consisting of technical, occupational, and military training and many include academic electives to complete the maximum allowable 36 semester credit hours.
- For information on recommended Upper-Level course offerings, please consult your TAMUCT advisor.

Transfer Information

Transfer of Credit & Student Benefits

Transfer Central! Your affordable path to a high-quality bachelor's degree.

[Join Transfer Central](#) and receive exclusive access to resources designed to help you complete your bachelor's degree on time and with less debt:

- Personalized degree planning
- University email address
- Priority class registration
- Dedicated admission counselor
- Customized financial aid consultations
- Invitations to university events and activities

Click [HERE](#) to join now.

College of Business Administration

Explore all the opportunities the College of Business Administration at A&M-Central Texas has to offer. Visit us [ONLINE](#) to see what is happening!

Start planning today. Schedule an appointment with a COBA academic advisor. Click [HERE](#) to find a time that meets your schedule.

Program Admission Requirements

Undergraduate Admission Requirements:

- Minimum 2.0 cumulative transfer GPA on a 4.0 scale
- Minimum 30 academic, college-level transferable hours
- Must be eligible to return to all previously attended institutions

Additional program admission standards may apply. Visit degree program pages or speak with an A&M-Central Texas admission counselor for additional information.

Get Connected. Meet in-person, virtually, or via the phone with an admissions counselor today. Click [HERE](#) to schedule an appointment convenient for you.

Graduate Studies

Continue to advance your skills and new career opportunities with a graduate degree from Texas A&M University - Central Texas. Click to learn more about the following graduate degrees:

[Master of Business Administration](#)

- Computer Information Systems
- Healthcare Administration
- Human Resource Management
- Management
- Data Analytics micro-credential (pending internal approval)
- Leadership for Sustainability

[Master of Science – Accounting](#)

[Master of Science – Information Systems](#)

[Master of Science – Leadership for Sustainability](#)

Graduate Certificates

[Healthcare Administration](#)

[Leadership for Sustainability](#)