



**AS-Computer Science to  
BS-Computer Science  
4-Year Suggested Academic Plan for Transfer  
2021-2022 Catalog Year**



**First and Second Years**

Please speak with your TC advisor for recommended course sequence

| TC                     | TAMUCT   | Course Name                | Hrs | TC           | TAMUCT             | Course Name                         | Hrs       |
|------------------------|----------|----------------------------|-----|--------------|--------------------|-------------------------------------|-----------|
| ENGL 1301              | CORE 010 | Composition I              | 3   | ENGL 1302    | CORE 010           | Composition II                      | 3         |
| MATH 2413 <sup>2</sup> | CORE 020 | Calculus I                 | 4   | PHYS 2425    | CORE 030           | University Physics I                | 4         |
| PHYS 2426              | CORE 030 | University Physics II      | 4   | CORE 040     | CORE 040           | CORE Language, Philosophy & Culture | 3         |
| CORE 050               | CORE 050 | CORE Creative Arts         | 3   | HIST 1301    | CORE 060           | US History I                        | 3         |
| HIST 1302              | CORE 060 | US History II              | 3   | GOVT 2305    | CORE 070           | Federal Government                  | 3         |
| GOVT 2306              | CORE 070 | Texas Government           | 3   | CORE 080     | CORE 080           | CORE Social and Behavioral Science  | 3         |
| COSC 1436              | CORE 090 | Programming Fundamentals I | 4   | COSC 1437    | CORE 090           | Programming Fundamentals II         | 4         |
| MATH 2414              | CORE 090 | Calculus II                | 4   | COSC 2436    | Degree Requirement | Programming Fundamentals III        | 4         |
| 1 SCH                  |          | 1 SCH for graduation       | 1   | MATH 1442    | Degree Requirement | Elementary Statistical Methods      | 4         |
|                        |          |                            |     | <b>Total</b> |                    |                                     | <b>60</b> |

**Third Year – Junior**

Fall Semester – Spring Semester

| TAMUCT                             | Course Name  | Hrs       | TAMUCT            | Course Name                            | Hrs       |
|------------------------------------|--|-----------|-------------------|--|-----------|
| CIS 3360                           | Ethics in Computing  | 3         | COSC 3343         | Computer Architecture                  | 3         |
| CIS 3347                           | Data Communications and Infrastructure   | 3         | COSC 3351         | Data Structures                        | 3         |
| CIS 3330, 3332, 3340, 3342 or 3343 | C++ Programming, Java Programming, Advanced C++ Programming, Advanced Java Programming or C# Programming for Windows and the Web | 3         | COSC 3380         | Operating Systems                      | 3         |
| MATH 3310                          | Discrete Mathematics   | 3         | MATH 3360 or 3332 | Numerical Analysis I or Linear Algebra | 3         |
| Advanced Elective                  | Advanced Elective  | 3         | Advanced Elective | Advanced Elective                      | 3         |
| <b>Total</b>                       |  | <b>15</b> | <b>Total</b>      |  | <b>15</b> |

**Fourth Year - Senior**

Fall Semester – Spring Semester

| TAMUCT            | Course Name                         | Hrs       | TAMUCT            | Course Name            | Hrs       |
|-------------------|-------------------------------------|-----------|-------------------|------------------------|-----------|
| COSC 4301         | Database Theory and Practices       | 3         | COSC 4378         | Computer Networks      | 3         |
| COSC 4341         | IT Security and Risk Management     | 3         | COSC 4340         | Analysis of Algorithms | 3         |
| COSC 4379         | Software Engineering for E-Business | 3         | Advanced Elective | Advanced Elective      | 3         |
| Advanced Elective | Advanced Elective                   | 3         | Advanced Elective | Advanced Elective      | 3         |
| Advanced Elective | Advanced Elective                   | 3         | Advanced Elective | Advanced Elective      | 3         |
| <b>Total</b>      |                                     | <b>15</b> | <b>Total</b>      |                        | <b>15</b> |

**Notes/Comments:**

- (1) Some Texas Common Core may be offered as a Dual Credit course. Please consult with your Temple College advisor
- (2) May require additional prerequisite of MATH 2412

## 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](#)