



AAS – Computer Applications Technology to BAAS – Information Technology Software and Database Design Concentration 2023-2024 Transfer Pathway



| AAS Degree Requirements | | | | | | | |
|------------------------------------|-----------|--|-----|-------------------------------------|-----------|--|-----------|
| Temple College | | | | | | | |
| TEMPLE | TAMUCT | Course Name | SCH | TEMPLE | TAMUCT | Course Name | SCH |
| ITSC 1305 ² | VO-- | Introduction to PC Operating Systems | 3 | ITSW 1307 ² | VO-- | Introduction to Database | 3 |
| COSC 1301 | CORE 090 | Introduction to Computing | 3 | Elective ² | VO-- | Information Technology Elective | 3 |
| BCIS 1305 | BCIS 1305 | Business Computer Applications | 3 | IMED 1316 ² | VO-- | Web Design I | 3 |
| POFT 1329 or Elective ² | VO-- | Beginning Keyboarding or Information Technology Elective | 3 | ITSW 1301 ² | VO-- | Introduction to Word Processing | 3 |
| ITSW 1310 ² | VO-- | Introduction to Presentation Graphics Software | 3 | IMED 2311 or ITSC 2386 ² | VO-- | Portfolio Development or Internship - Computer and Information Sciences, General | 3 |
| COSC 1436 | CORE 090 | Programming Fundamentals I | 4 | ITSW 1304 ² | VO-- | Introduction to Spreadsheets | 3 |
| ITSC 1315 ² | VO-- | Project Management Software | 3 | CORE 040 | CORE 040 | Language, Philosophy, Culture or Creative Arts Core | 3 |
| ENGL 1301 | CORE 010 | Composition I | 3 | Elective ² | VO-- | Management Elective | 3 |
| ENGL 2311 or ENGL 1302 | CORE 010 | Technical and Business Writing or Composition II | 3 | CORE 080 | CORE 080 | Social/Behavioral Science Core | 3 |
| CORE 020 | CORE 020 | Mathematics Core | 3 | BUSI 2305 | BUSI 2305 | Business Statistics | 3 |
| Subtotal | | | | | | | 61 |

| Additional Lower-Level or Upper-Level Degree Requirements | | | |
|---|--------------------------------------|-----------------------------------|-----------|
| Temple College or Texas A&M – Central Texas | | | |
| Temple College | Texas A&M University - Central Texas | Course Name | SCH |
| CORE 030 ¹ | CORE 030 | Life and Physical Science Core | 3 |
| CORE 030 ¹ | CORE 030 | Life and Physical Science Core | 3 |
| CORE 050 ¹ | CORE 050 | Creative Arts Core | 3 |
| CORE 060 ¹ | CORE 060 | American History Core | 3 |
| CORE 060 ¹ | CORE 060 | American History Core | 3 |
| CORE 070 ¹ | CORE 070 | Government/Political Science Core | 3 |
| CORE 070 ¹ | CORE 070 | Government/Political Science Core | 3 |
| Subtotal | | | 21 |

| Upper-Level Degree Requirements | | | | | |
|---|--|-----|--------------------------|--|------------|
| Texas A&M University - Central Texas (TAMUCT) | | | | | |
| TAMUCT | Course Name | SCH | TAMUCT | Course Name | SCH |
| CIS 3347 | Data Communications and Infrastructure | 3 | CIS 3351 | Data Structures | 3 |
| CIS 3340, CIS 3341, CIS 3342 or CIS 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 Practices | 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 | CIS 4090 | Computer Information Systems Capstone Assessment | 0 |
| Subtotal | | | | | 39 |
| Total | | | | | 121 |

Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Temple College.
 For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

- Not all Degree Requirement courses are completed with the AAS. Students will need to complete these remaining lower-level courses at Temple College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- 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.