



**AAS – Cloud System Operations to  
BAAS – Information Technology  
Management and Networking Concentration  
2024-2025 Transfer Pathway**



| Dallas College (DC)                    |                                                                                                       |     |           |                                        |                                                                                 |                 |                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------|-----|-----------|----------------------------------------|---------------------------------------------------------------------------------|-----------------|---------------------------|
| AAS Degree Requirements                |                                                                                                       |     |           |                                        |                                                                                 |                 |                           |
| DC                                     | Course Name                                                                                           | SCH | TAMUCT    | DC                                     | Course Name                                                                     | SCH             | TAMUCT                    |
| ITNW 1309 <sup>1</sup>                 | Fundamentals of Cloud Computing                                                                       | 3   | ITNW 1309 | ITNW 1377 <sup>1</sup>                 | Introduction to Infrastructure Automation                                       | 3               | ITNW 1377                 |
| ITNW 1378 <sup>1</sup>                 | Cloud Networking                                                                                      | 3   | ITNW 1378 | ITNW 1373 <sup>1</sup>                 | Cloud Computing Security                                                        | 3               | ITNW 1373                 |
| ITSE 1370 <sup>1</sup>                 | Introduction to Python Programming                                                                    | 3   | ITSE 1370 | ITSC 2325 <sup>1</sup>                 | Advanced Linux                                                                  | 3               | ITSC 2325                 |
| SPCH 1311<br>SPCH 1315 or<br>SPCH 1321 | Introduction to Speech Communication<br>Public Speaking or<br>Business and Professional Communication | 3   | CORE 010  | ITNW 1313 <sup>1</sup>                 | Computer Virtualization                                                         | 3               | ITNW 1313                 |
| CORE 050                               | Creative Arts Core                                                                                    | 3   | CORE 050  | CORE 020                               | Mathematics Core                                                                | 3               | CORE 020                  |
| ITSE 1359 <sup>1</sup>                 | Introduction to Scripting Languages                                                                   | 3   | ITSE 1359 | ITNW 2327 or<br>ITNW 2364 <sup>1</sup> | Advanced Cloud Concepts or<br>Practicum                                         | 3               | ITNW 2327 or<br>ITNW 2364 |
| ITSC 1316 <sup>1</sup>                 | Linux Installation and Configuration                                                                  | 3   | ITSC 1316 | ITNW 2329 or<br>ITNW 2370 <sup>1</sup> | Application Development for the Cloud or<br>Containerization and Micro Services | 3               | ITNW 2329 or<br>ITNW 2370 |
| ITSE 1346 <sup>1</sup>                 | Database Theory and Design                                                                            | 3   | ITSE 1346 | ITSC 1315 <sup>1</sup>                 | Project Management Software                                                     | 3               | ITSC 1315                 |
| ITNW 1336 <sup>1</sup>                 | Cloud Deployment and Infrastructure Management                                                        | 3   | ITNW 1336 | ITSE 2370 <sup>1</sup>                 | Intermediate Python Programming                                                 | 3               | ITSE 2370                 |
| ENGL 1301                              | Composition I                                                                                         | 3   | CORE 010  | CORE 080                               | Social and Behavioral Science Core                                              | 3               | CORE 080                  |
|                                        |                                                                                                       |     |           |                                        |                                                                                 | <b>Subtotal</b> | <b>60</b>                 |

| Dallas College (DC) or Texas A&M University – Central Texas (TAMUCT) |           |                                                  |                 |           |
|----------------------------------------------------------------------|-----------|--------------------------------------------------|-----------------|-----------|
| Additional Lower-Level or Upper-Level Degree Requirements            |           |                                                  |                 |           |
| DC                                                                   | TAMUCT    | Course Name                                      | SCH             |           |
| CORE 030 <sup>2</sup>                                                | CORE 030  | Life and Physical Science Core                   | 3               |           |
| CORE 030 <sup>2</sup>                                                | CORE 030  | Life and Physical Science Core                   | 3               |           |
| CORE 040 <sup>2</sup>                                                | CORE 040  | Language, Philosophy, and Culture Core           | 3               |           |
| CORE 060 <sup>2</sup>                                                | CORE 060  | American History Core                            | 3               |           |
| CORE 060 <sup>2</sup>                                                | CORE 060  | American History Core                            | 3               |           |
| CORE 070 <sup>2</sup>                                                | CORE 070  | Government/Political Science Core                | 3               |           |
| CORE 070 <sup>2</sup>                                                | CORE 070  | Government/Political Science Core                | 3               |           |
| COSC 1320 or<br>COSC 1336 <sup>2</sup>                               | CORE 090  | C Programming I or<br>Programming Fundamentals I | 3               |           |
| CORE 090 <sup>2</sup>                                                | CORE 090  | Component Area Option Core                       | 3               |           |
| BUSI 2305 <sup>2</sup>                                               | BUSI 2305 | Business Statistics                              | 3               |           |
|                                                                      |           |                                                  | <b>Subtotal</b> | <b>30</b> |

| Texas A&M University - Central Texas (TAMUCT) |                                                     |     |                 |                                                  |             |
|-----------------------------------------------|-----------------------------------------------------|-----|-----------------|--------------------------------------------------|-------------|
| BAAS Degree Requirements                      |                                                     |     |                 |                                                  |             |
| TAMUCT                                        | Course Name                                         | SCH | TAMUCT          | Course Name                                      | SCH         |
| CIS 3347                                      | Data Communications and Infrastructure              | 3   | CIS 4335        | UNIX Systems Administration                      | 3           |
| CIS 3360                                      | Ethics in Computing                                 | 3   | CIS 4376        | Network Administration                           | 3           |
| CIS 3305                                      | Operating Systems Theory and Practice               | 3   | CIS 4360        | Strategic Information Systems                    | 3           |
| CIS 4350                                      | Management Information Systems                      | 3   | CIS 4345        | Network and Systems Security                     | 3           |
| CIS 3365                                      | System Analysis and Design                          | 3   | CIS 4378        | Comprehensive Networking                         | 3           |
| CIS 4301                                      | Database Theory and Practices                       | 3   | UL CIS Elective | Upper-Level CIS Elective                         | 3           |
| CIS 4341                                      | Information Technology Security and Risk Management | 3   | CIS 4090        | Computer Information Systems Capstone Assessment | 0           |
|                                               |                                                     |     |                 |                                                  | Subtotal 39 |
|                                               |                                                     |     |                 |                                                  | Total 129   |

| Notes/Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
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| TAMUCT only offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at Dallas College. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an <a href="#">academic advisor</a> or <a href="#">enrollment specialist</a> . <b>This pathway is intended for planning and visualization purposes and is subject to change.</b> |  |
| 1. 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.                                                                                                                                                                                                                                                                                                                                                                            |  |
| 2. The AAS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at DC. Please discuss the consortium agreement procedure with a TAMUCT <a href="#">financial aid advisor</a> .                                                                                                                                                                                                                                                                                                                                                                             |  |