



AAS – Network Administrator (NVC) to
BAAS – Information Technology –
Management and Networking Concentration
2024-2025 Transfer Pathway



| Alamo College District | | | | | | | |
|-------------------------|---|-----|-----------|------------------------|--|-----------------|-----------|
| AAS Degree Requirements | | | | | | | |
| Alamo | Course Name | SCH | TAMUCT | Alamo | Course Name | SCH | TAMUCT |
| ITNW 1308 ¹ | Implementing and Supporting Client Operating Systems | 3 | ITNW 1308 | ITSY 2430 ¹ | Intrusion Detection | 4 | ITSY 2430 |
| ITCC 1414 ¹ | CCNA 1: Introduction to Networks | 4 | ITCC 1414 | ITCC 2343 ¹ | Network Security | 3 | ITCC 2343 |
| ITNW 1425 ¹ | Fundamentals of Networking Technologies | 4 | ITNW 1425 | ITSC 2325 ¹ | Advanced Linux | 3 | ITSC 2325 |
| ITCC 1444 ¹ | CCNA 2: Switching, Routing, and Wireless Essentials | 4 | ITCC 1444 | ITNW 2264 ¹ | Practicum – Computer Systems Networking and Telecommunications | 2 | ITNW 2264 |
| ITNW 1454 ¹ | Implementing and Supporting Servers | 4 | ITNW 1454 | MATH 1324 | Mathematics for Business & Social Sciences | 3 | CORE 020 |
| ITSC 1316 ¹ | Linux Installation and Configuration | 3 | ITSC 1316 | CORE 060 | American History Core | 3 | CORE 060 |
| CORE 010 | Communications Core | 3 | CORE 090 | GOVT 2305 | Federal Government | 3 | CORE 070 |
| ENGL 1301 | Composition I | 3 | CORE 010 | CORE 060 | American History Core | 3 | CORE 060 |
| CORE 040 | Language, Philosophy & Culture Core | 3 | CORE 040 | ENGL 1302 or ENGL 2311 | Composition II or Technical Writing | 3 | CORE 010 |
| CORE 080 | Social and Behavioral Sciences Core | 3 | CORE 080 | GOVT 2306 | Texas Government | 3 | CORE 070 |
| ITSY 1300 ¹ | Fundamentals of Information Security | 3 | ITSY 1300 | COSC 1336 | Programming Fundamentals I | 3 | CORE 090 |
| ITNW 2473 ¹ | Amazon Cloud Foundations (AWS) | 4 | ITNW 2473 | CORE 030 | Life and Physical Sciences Core | 3 | CORE 030 |
| ITCC 2420 ¹ | CCNA 3: Enterprise Networking, Security, and Automation | 4 | ITCC 2420 | CORE 050 | Creative Arts Core | 3 | CORE 050 |
| | | | | | | Subtotal | 84 |

| Alamo College District or Texas A&M University – Central Texas | | | |
|--|-----------|---------------------------------|-------------------|
| Additional Lower-Level or Upper-Level Degree Requirements | | | |
| Alamo | TAMUCT | Course Name | SCH |
| CORE 030 ² | CORE 030 | Life and Physical Sciences Core | 3 |
| BUSI 2305 ² | BUSI 2305 | Business Statistics | 3 |
| | | | Subtotal 6 |

| Texas A&M University - Central Texas | | | | | |
|--------------------------------------|---|-----|-----------------|--|--------------------|
| 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

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at Alamo. 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 [academic advisor](#) or [enrollment specialist](#). This pathway is intended for planning and visualization purposes and is subject to change.

- 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.
- The lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at Alamo. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).