

Computer Information Technology - Computer Networking (CIP 11.0201)

281-756-3669

Associate of Applied Science Degree Program (A.A.S.) - Articulated Credit

Purpose: The Computer Information Technology Networking program is designed to prepare students for careers in many areas of LAN/WAN administration and design. ACC is a Charter member of the Microsoft IT Academy Program and thus holds a leveraged position for success in a variety of career opportunities (e.g. installing, managing and maintaining Microsoft servers and networks worldwide). This A.A.S. program focuses on these Microsoft certifications: (MTA) "Microsoft Technology Associate", "(MSCA) "Microsoft Certified Solutions Associate". Program graduates will be prepared for other, vender neutral, certifications, as well. Such as CompTIA's "Network+", "A+", and "Security+". All industry certifications are awarded after passing their proprietary exams which are administered by authorized testing centers. Alvin College has a classroom lab, on the main campus, dedicated exclusively to the Network Administrator/Professional/Technician curriculums.

| Course Number | Course Title | Credits |
|----------------------------------|--|---------|
| FIRST YEAR | | |
| First Semester | | |
| ITNW 1358 | Network+ | 3 |
| ITMT 1302 | Windows Seven Configuration | 3 |
| BCIS 1305 | Business Computer Applications | 3 |
| ITNW 1325 | Fundamentals of Networking | 3 |
| ITMT 2351 | Windows Server 2008 Administrator | 3 |
| Second Semester | | |
| ITMT 2301 | Win Srv 2008 Ntwrk Infrastructure Config. | 3 |
| ITSY 1342 | Information Technology Security (Security+) | 3 |
| + Creative Arts or | Select from Creative Arts Core Curriculum | 3 |
| + Language, Philosophy & Culture | Select from Language, Philosophy & Culture Core Curriculum | |
| ITMT 2302 | Windows Server 2008 AD Configuration | 3 |
| + Social & Behavioral Sciences | Select from Social & Behavioral Sciences Core Curriculum | 3 |
| SECOND YEAR | | |
| First Semester | | |
| ITNW 1313 | Computer Virtualization | 3 |
| ENGL 1301 | Composition I | 3 |
| + Component Area Options | Select from Component Area Option Core Curriculum | 3 |
| ITNW 2321 | Networking with TCP/IP | 3 |
| MATH 1333 | Contemporary Mathematics for Tech | 3 |
| Second Semester | | |
| ITMT 2356 | Windows Server 2008: Enterprise Administrator | 3 |
| ITNW 1353 | Supporting Network Server Infrastructure | 3 |
| *ITMT 2322 | Windows Server 2008 Application Platform Config. | 3 |
| ITNW 1354 | Implementing and Supporting Services | 3 |
| + ENGL 1302 | Composition II | 3 |

Minimum Total Credits Required for A.A.S of Computer Networking Degree 60

- * Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.
- * Capstone Course

Computer Elective List:

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|--|--|
| ITSE 1331 Introduction to Visual Basic Programming | ITSE 2409 Database Programming |
| COSC 1436 Programming Fundamentals I-C++ | ITSW 1404 Introduction to Spreadsheets |
| COSC 1437 Prog Fundamentals II - JAVA | GAME 1436 Introduction to 3D Gaming Modeling |
| COSC 2436 Prog Fundamentals III - Oracle | ITSC 1305 Introduction to PC Operating Systems |
| IMED 2415 Web Design | ITSC 1325 Personal Computer Hardware |
| or ITSC 1419 Internet / Web Page Development | |