



Computer Networking Administration Associate in Applied Science

<http://catalog.ivcc.edu/guidesheet/associate/computernetworkadministration/>



**ILLINOIS VALLEY
COMMUNITY COLLEGE**

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

| EDUCATION LEVELS | GRADE | English/ Language Arts | Math | Science | Social Studies/ Sciences | Other Required Courses Other Electives Recommended Electives Learner Activities | Career and Technical Courses and/or Degree Major Courses | SAMPLE Occupations Relating to This Pathway |
|---|--|---|---|------------------|--|---|--|--|
| SECONDARY | 9 | English I | Algebra I Geometry | Physical Science | World History | Consumer Ed, Am. Gov., Speech | | <ul style="list-style-type: none"> ➤ Account Manager ➤ Applications Integrator ➤ Call Center Support Representative ➤ Customer Service Representative ➤ Data Systems Designer ➤ Database Administrator/Analyst ➤ E-Business Specialist ➤ Help Desk Specialist ➤ Information Systems Architect ➤ Instructional Designer ➤ Maintenance Technician ➤ PC Support Specialist/coordinator ➤ Product Support Engineer ➤ Support Engineer ➤ Systems Analyst ➤ Technical Communicator |
| | 10 | English II | Geometry Algebra II | Biology | | | | |
| | 11 | AP English Language English III | Algebra II Pre-Calculus | Chemistry | US History | 11th grade; Take IVCC Placement test | | |
| | 12 | English IV | Pre-Calculus Calculus | Physics | | | DUAL CREDIT COURSES* (see high school counselor) The following courses may be offered as dual credit at the Area Career Center & some high schools CSP 1203 | |
| To view detailed descriptions of the below courses, go to: http://catalog.ivcc.edu/courses/ | | | | | | | | |
| POSTSECONDARY | 13 | FALL ENG 1205** Written Communication Skills for Business, Industry and Technology SPRING SPH 1204 Oral Communication Skills for Business, Industry & Technology | | | SPRING PSY 2200** Human Relations in the World of Work | REQUIRED COURSES HPE 1000** Wellness SDT 1203 Job Seeking Skills | FALL CSM 1209 Management Information Systems CSO 2202 Comprehensive Windows CSP 1203* Microsoft Office Professional I CSP 2200 PC Trbleshooting, Upgrade & Repair SPRING CSN 1225 Core Networking Technologies CSN 1230 Network Administration I CSO 2200 UNIX Operating System | <ul style="list-style-type: none"> ➤ Support Engineer ➤ Systems Analyst ➤ Technical Communicator |
| | 14 | | FALL MTH 1206** Technical Mathematics I | | | FALL CSD 1210 Comprehensive Access CSI 1011 Introduction To Programing & Logic CSN 1231 Network Administration II SPRING CSN 1234 Securing & Analyzing TCP/IP Networks CSN 2222 Computer Networking Internship CSN 2250 Specialty Services CSN 2260 Network Routing CSP 2201 Help Desk/User Support ECN 1202 Fundamentals of Economics | | |
| | Year 15 & 16 Continue courses in the area of specialization | | | | | | | |
| ** Go to www.catalog.ivcc.edu/autosubstitutions/ to view allowed substitutions for required courses that may be offered as Dual Credit/Dual Enrollment at area high schools | | | | | | | | |