



Associate in Applied Science degree in Computer Networking Technology at Heartland to Bachelor of Science in Information Systems Technologies at SIU

Heartland Community College and Southern Illinois University Carbondale

This is a suggested course pattern. Students must work with their advisor to develop a curriculum plan that meets their scheduling needs. Summer classes can also reduce the load during the fall and spring semesters.

| HEARTLAND COMMUNITY COLLEGE | | | | |
|---|---|---------------------|---------------|---------------|
| FIRST YEAR | COURSE NAME | CREDIT HOURS | | |
| | | SUMMER | FALL | SPRING |
| CSCI 101 | Intro Computer Info Science | 4 | | |
| ENGL 101 | Composition I | | 3 | |
| NETW 150 | Workstation Operating Systems | | 3 | |
| NETW 151 | PC Hardware Maintenance & Repair | | 3 | |
| MATH 106 | College Algebra for Business & Social Sciences | | 4 | |
| NETW 160 | Introduction to Networking | | 3 | |
| NETW 121 | Introduction to Networks | | | 3 |
| NETW 122 | Routing & Switching Essentials | | | 3 |
| NETW 166 | Windows Workstation Administration | | | 3 |
| IAI Physical Science | IAI Physical Science | | | 4 |
| COMM 101 | Introduction to Communication | | | 3 |
| Total Credit Hours | | 4 | 16 | 16 |
| SECOND YEAR | COURSE NAME | CREDIT HOURS | | |
| | | FALL | SPRING | FALL |
| NETW 167 | Windows Server Administration | 3 | | |
| NETW 182 | Linux Administration | 3 | | |
| CSCI 130 | Computer Science I | 4 | | |
| NETW 123 | Scaling Networks | 3 | | |
| NETW 124 | Connecting Networks | 3 | | |
| BUSN 145 | Employment Success Strategies | | 1 | |
| NETW 162 | Networking Technologies | | 4 | |
| Tech Elective | Tech Elective | | 3 | |
| BUSN 115 | Tech Elective | | 3 | |
| IAI Social/Behavioral or IAI Humanities | IAI Social/Behavioral or IAI Humanities | | 3 | |
| NETW 170 | Network Security Fundamentals | | | 3 |
| ECON 101 | Principles of Microeconomics | | | 3 |
| Total Credit Hours | | 16 | 14 | 6 |

SOUTHERN ILLINOIS UNIVERSITY

| University Core Curriculum | Course Name | Credit Hours |
|-----------------------------------|--------------------------------|---------------------|
| IAI Humanities | IAI Humanities | 3 |
| IAI Life Science | IAI Life Science | 3 |
| IAI Fine Arts | IAI Fine Arts | 3 |
| Multicultural | | 3 |
| Program Requirements | | |
| IST 232 | Systems Analysis & Design Tool | 3 |
| ISAT 120 | Fiscal Aspects of ASA I | 3 |
| ISAT 229 | Computing Business Admin | 3 |
| IST 300/400 | 300-400 Level | 18 |
| ISAT 300/400 | 300-400 Level | 10 |
| Electives | 300-400 Level | 15 |
| Total Credit Hours | | 64 |