

**Montgomery County Community College A.A.S Computer Networking –  
Network Administration  
to Peirce College B.S. Information Technology ,  
Concentration in Networking, Administration, and Information Security**

MCCC Course	Peirce College Equivalency
ENG 101 English Composition I	ENG 101 English Composition
Elective Any Quantitative Reasoning Elective	MAT 101 Intro to College Mathematics
CIS 113 PC Maintenance and Support	ITN 120 PC Fundamentals
CIS 155 PC Applications and Networks	Elective
CIS 170 Introduction to Networks	ITN 130 Networking Fundamentals
ENG 117 Writing for Business and Industry OR ENG 115 Writing for Technical Communication	General Education
CIS 171 Routing and Switching Essentials	ITN 310 Network Routing and Switching I
CIS 1101 Introduction to Problem Solving and Programming OR CIS 111 Computer Science I: Programming and Concepts	BIS 112 Programming Concepts
CIS 158 Windows Server Administration and Support	ITN 200 Server Administration
Elective - Any Scientific Reasoning Elective	Science Core
Elective - Any Oral Communication Elective	COM 112 Speech Communication
CIS 141 Introduction to Linux	Elective
CIS 258 Advanced Windows Server Administration & Support	ITN 410 Server Administration II
CIS 172 Scaling Networks	ITN 311 Routing and Switching II
Elective- Any Cultural Awareness and Diversity Elective – <b>**PHI 101 Fundamentals of Ethics</b>	HUM 102 Intro to Ethics
CIS 172B Connecting Networks	Elective
CIS 257 Network Planning, Project Management and Implementation	Elective
Elective Any Aesthetic Sensibility Elective	Humanities Core
CIS 142 Linux Administration	ITN 301 Linux Administration, Networking, and Security
CIS 166 Introduction to Cloud Computing, OR <b>**CIS 245 Database Management Systems/SQL, OR <b>**CIS 275 Fundamentals of Network Security</b> or MGT 111 Principles of Management</b>	BIS 235 Database Management Systems OR ITN 144 Intro to Network Security

(\*\* = recommended course to maximize transfer credits)

**60 Credits Met - 61 Credits Remaining**



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**Courses to be Completed—61 credits**

PRC 101 Intro to Peirce	ISC 310 Information Security and Risk Management
BIS 111 Application Software Fundamentals (CIS 110)	ISC 325 Access Control, Security Assessment, and Security in the Software Development Lifecycle
COM 312 Practical Reasoning (PHI 110)	ISC 410 Asset Security and Security Engineering
ENG 103 Rhetoric and Research (ENG 102)	ISC 425 Network Security and Security Operations
MAT 102 College Algebra (MAT 100)	ITN 220 Help Desk and Customer Support Concepts
Science Core	ITN 404 Network Security and Defense (CIS 209)
Social Science Core (2)	ITN 425 IT Capstone in Networking, Administration, and Information Security
BIS 201 HTML and the World Wide Web (CIS 114)	MIS 110 Usability Principles and Design
BIS 235 Database Management Systems OR ITN 144 Intro to Network Security (CIS 245 OR CIS 275)	MIS 205 Ethical Management of Information Technology
BIS 402 Systems Analysis and Design (CIS 151)	MIS 302 Project Management

**Students may complete 30 additional credits at MCCC for a maximum of 90 total transfer credits for this program. MCCC course equivalencies are indicated in red above.**

