

Montgomery County Community College A.S. Information Technology to Peirce College B.S. Information Technology, Concentration in Programming and Application Development

| MCCC Course | Peirce College Equivalency |
|---|--|
| ENG 101 English Composition I | ENG 101 English Composition |
| Elective- Any Quantitative Reasoning Elective | MAT 101 Intro to College Math |
| 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 | ITN 301 Linux Administration, Networking, and Security |
| CIS 275 Fundamentals of Network Security | ITN 144 Intro to Network Security |
| CIS 207 Introduction to Computer Forensics | Elective |
| Elective- Any Cultural Awareness and Diversity Elective – **PHI 101 Fundamentals of Ethics | HUM 102 Intro to Ethics |
| CIS 208 Implementing Network Security | Elective |
| CIS 257 Network Planning, Project Management and Implementation | ITN 410 Server Administration II |
| Elective - Any Aesthetic Sensibility Elective | Humanities Core |
| CIS 209 Ethical Hacking | ITN 404 Network Security and Defense |
| CIS 166 Introduction to Cloud Computing, CIS 167 Introduction to Data Storage or **CIS 245 Database Management Systems/SQL | BIS 235 Database Management Systems |

(** = recommended course to maximize transfer credits)

60 Credits Met - 61 Credits Remaining



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Courses to be Completed—61 credits

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|--|---|
| PRC 101 Intro to Peirce | BIS 403 Applied Systems Design |
| COM 312 Practical Reasoning (PHI 110) | BIS 415 IT Capstone in Programming |
| Science Core | ISC 325 Access Control, Security Assessment, and Security in the Software Development Lifecycle |
| Social Science Core | ITN 200 Server Administration I (CIS 158) |
| General Education | ITN 220 Help Desk and Customer Support Concepts |
| BIS 324 Computer Programming III | ITN 301 Linux Administration, Networking, and Security (CIS 142) |
| BIS 325 Application Development | MAT 109 Statistics I (MAT 131) OR MAT 370 Applied Discrete Mathematics (MAT 125) |
| BIS 330 JavaScript Programming (CIS 140) | MIS 110 Usability Principles and Design |
| BIS 345 Advanced Application Development | MIS 205 Ethical Management of Information Technology |
| Elective (2) | 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.

