

# Computer Information Systems Degree 437

First Year	
Fall Semester	Spring Semester
<b>CIS 101</b> (3) Introduction to Computers	<b>CIS 119</b> (3) JavaScript
<b>CIS 111</b> (3) Logic and Program Design	<b>CIS 123</b> (3) Management Info Systems
<b>CIS 115</b> (2) Internet Fundamentals	<b>CIS 140</b> (4) Networking Fundamentals
<b>CIS 118</b> (3) Foundations of Web Site Development	<b>COM 100</b> (3) Oral Communication
<b>ENG 103</b> (3) Composition I - OR - <b>ENG 109</b> Intro to Technical Writing	<b>MAT 150</b> (4) College Algebra - OR - <b>MAT 210</b> (3) Finite Mathematics

# Computer Information Systems Degree 437

Second Year - Web Option	
Fall Semester	Spring Semester
<b>CIS 160 (3)</b> Java Programming I	<b>CIS 122 (2)</b> Web Site Creation Software
<b>CIS 170 (3)</b> Introduction to Unix	<b>CIS 236 CIS Project (3)</b> - OR - <b>CIS 296 CIS Internship</b>
<b>CIS Electives (4)</b>	<b>CIS 237 (3)</b> Database Management and SQL
<b>Humanities Elective (3)</b>	<b>CIS 260 (3)</b> Java Programming II
<b>Social Sciences Elective (3)</b>	<b>CIS 265 (3)</b> Server-Side Programming

# Computer Information Systems Degree 437

Second Year - Programming Option	
Fall Semester	Spring Semester
<b>CIS 150 (3)</b> C++ Programming I	<b>CIS 236 CIS Project (3)</b> - OR - <b>CIS 296 CIS Internship</b>
<b>CIS 160 (3)</b> Java Programming I	<b>CIS 237 (3)</b> Database Mgmt and SQL
<b>CIS 170 (3)</b> Introduction to Unix	<b>CIS 250 (3)</b> C++ Programming II
<b>Humanities Elective (3)</b>	<b>CIS 260 (3)</b> Java Programming II
<b>Social Sciences Elective (3)</b>	<b>CIS 265 (3)</b> Server-Side Programming

# Networking & Systems Administration Degree 460

First Year	
Fall Semester	Spring Semester
<p>CIS 140 (4) Networking Fundamentals</p>	<p>CIS 142 (3) PC Repair and Configuration</p>
<p>CIS 182 (3) Windows Server Fundamentals I</p>	<p>CIS 282 (3) Windows Server II Networking</p>
<p>COM 100 (3) Oral Communication</p>	<p>CIS 283 (3) Network Security+</p>
<p>ENG 103 (3) Composition I - OR - ENG 109 Intro to Technical Writing</p>	<p>Humanities Elective (3)</p>
<p>Social Science Elective (3)</p>	<p>MAT 150 (4) College Algebra - OR - MAT 210 (3) Finite Mathematics</p>

# Networking & Systems Administration Degree 460

Second Year Network - Administration Option	
Fall Semester	Spring Semester
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 123 (3)</b>                      Management Info Systems                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 150 C++ Programming I (3)</b>                      - OR -  <b>CIS 160 Java Programming I (3)</b> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 170 (3)</b>                      Introduction to Unix                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 184 (3)</b>                      Windows Professional Config                 </div> <div style="border: 1px solid black; padding: 5px;"> <b>CIS Electives (3)</b> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 236 CIS Project (3)</b>                      - OR -  <b>CIS 296 CIS Internship (3)</b> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 237 (3)</b>                      Database Management and SQL                 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>CIS 270 (3)</b>                      Fundamentals of Linux Admin                 </div> <div style="border: 1px solid black; padding: 5px;"> <b>CIS Electives (7)</b> </div>

# Networking & Systems Administration Degree 460

Second Year - Cisco Option	
Fall Semester	Spring Semester
<b>CIS 123 (3)</b> Management Info Systems	<b>CIS 147 (4)</b> Cisco Networking III
<b>CIS 145 (4)</b> Cisco Networking I	<b>CIS 148 (4)</b> Cisco Networking IV
<b>CIS 146 (4)</b> Cisco Networking II	<b>CIS 270 (3)</b> Fundamentals of Linux Admin
<b>CIS 150 C++ Programming I (3)</b> - OR - <b>CIS 160 Java Programming I (3)</b>	<b>CIS 236 CIS Project (3)</b> - OR - <b>CIS 296 CIS Internship (3)</b>
<b>CIS 170 (3)</b> Introduction to Unix	

# Computer Programming Certificate 451

One Year	
Fall Semester	Spring Semester
<p>CIS 101 (3) Introduction to Computers - OR - CIS 123 (3) Management Info Systems</p>	<p>CIS 119 (3) JavaScript</p>
<p>CIS 111 (3) Logic and Program Design</p>	<p>CIS 237 (3) Database Management and SQL</p>
<p>CIS 150 (3) C++ Programming I</p>	<p>CIS 250 (3) C++ Programming II</p>
<p>CIS 160 (3) Java Programming I</p>	<p>CIS 260 (3) Java Programming II</p>
	<p>CIS 265 (3) Server-Side Programming</p>

# Microcomputer Applications Certificate 452

One Year	
Fall Semester	Spring Semester
<p>CIS 101 (3) Introduction to Computers - OR - CIS 123 (3) Management Info Systems</p>	<p>CIS 135/OS 135 (3) Database/Access</p>
<p>CIS 105 (1) Intro to Microsoft Windows</p>	<p>OS 136 (1.5) Presentation Graphics/ PowerPoint</p>
<p>CIS 115 (2) Internet Fundamentals</p>	<p>CIS Electives (4)</p>
<p>CIS 133/OS 133 (3) Speadsheets/Excel</p>	
<p>OS 125 (3) Word Processing/Word</p>	



# Web Development Certificate 454

One Year	
Fall Semester	Spring Semester
<p>CIS 101 (3) Introduction to Computers - OR - CIS 123 (3) Management Info Systems</p>	<p>CIS 119 (3) JavaScript</p>
<p>CIS 111 (3) Logic and Program Design</p>	<p>CIS 122 (2) Web Site Creation Software</p>
<p>CIS 115 (2) Internet Fundamentals</p>	<p>CIS 237 (3) Database Management and SQL</p>
<p>CIS 118 (3) Foundations of Web Site Dvlp</p>	<p>CIS 260 (3) Java Programming II</p>
<p>CIS 160 (3) Java Programming I</p>	<p>CIS 265 (3) Server-Side Programming</p>
<p>CIS 140 (4) Networking Fundamentals - OR - CIS 170 (3) Introduction to Unix</p>	<p>BUS 101 (3) Introduction to Business</p>

# PC Technician Certificate 466

First Year				
Fall Semester	Spring Semester			
<table border="1"><tr><td>CIS 140 (4) Networking Fundamentals</td></tr><tr><td>CIS 170 (3) Introduction to Unix</td></tr></table>	CIS 140 (4) Networking Fundamentals	CIS 170 (3) Introduction to Unix	<table border="1"><tr><td>CIS 142 (3) PC Repair and Configuration</td></tr></table>	CIS 142 (3) PC Repair and Configuration
CIS 140 (4) Networking Fundamentals				
CIS 170 (3) Introduction to Unix				
CIS 142 (3) PC Repair and Configuration				
Second Year				
Fall Semester				
<table border="1"><tr><td>CIS 182 (3) Windows Server Fundamentals I</td></tr><tr><td>CIS 184 (3) Windows Professional Config</td></tr></table>	CIS 182 (3) Windows Server Fundamentals I	CIS 184 (3) Windows Professional Config		
CIS 182 (3) Windows Server Fundamentals I				
CIS 184 (3) Windows Professional Config				

# Network Administration Certificate 467

First Year					
Fall Semester	Spring Semester				
<table border="1"><tr><td>CIS 140 (4) Networking Fundamentals</td></tr><tr><td>CIS 182 (3) Windows Server Fundamentals I</td></tr></table>	CIS 140 (4) Networking Fundamentals	CIS 182 (3) Windows Server Fundamentals I	<table border="1"><tr><td>CIS 142 (3) PC Repair and Configuration</td></tr><tr><td>CIS 282 (3) Windows Server II Networking</td></tr></table>	CIS 142 (3) PC Repair and Configuration	CIS 282 (3) Windows Server II Networking
CIS 140 (4) Networking Fundamentals					
CIS 182 (3) Windows Server Fundamentals I					
CIS 142 (3) PC Repair and Configuration					
CIS 282 (3) Windows Server II Networking					
Second Year					
Fall Semester	Spring Semester				
<table border="1"><tr><td>CIS 170 (3) Introduction to Unix</td></tr><tr><td>CIS 184 (3) Windows Professional Config</td></tr></table>	CIS 170 (3) Introduction to Unix	CIS 184 (3) Windows Professional Config	<table border="1"><tr><td>CIS 270 (3) Fundamentals of Linux Admin</td></tr><tr><td>CIS 283 (3) Network Security+</td></tr></table>	CIS 270 (3) Fundamentals of Linux Admin	CIS 283 (3) Network Security+
CIS 170 (3) Introduction to Unix					
CIS 184 (3) Windows Professional Config					
CIS 270 (3) Fundamentals of Linux Admin					
CIS 283 (3) Network Security+					

# Cisco Networking Certificate 468

First Year	
Fall Semester	Spring Semester
<p>CIS 140 (4) Networking Fundamentals</p> <p>CIS 170 (3) Introduction to Linux - OR - CIS 182 (3) Windows Server Fundamentals I</p>	<p>CIS 270 (3) Fundamentals of Linux Admin - OR - CIS 282 (3) Windows Server II Networking</p>
Second Year	
Fall Semester	Spring Semester
<p>CIS 145 (4) Cisco Networking I</p> <p>CIS 146 (4) Cisco Networking II</p>	<p>CIS 147 (4) Cisco Networking III</p> <p>CIS 148 (4) Cisco Networking IV</p>