COMPUTER & INFORMATION SYSTEMS

Computer & Information Systems
Associate of Applied Science

PROGRAM DESCRIPTION
The Computer Information Systems (CIS) degree program is designed around a core curriculum and four distinct options. The program’s core provides an introduction to computer concepts, software applications, operating systems, networking, database, computer servicing, internet, math, human relations and writing. Graduates work in information technology (IT) for a wide variety of commercial businesses, education, federal/state/local governments, e-commerce, publishing and real estate. CIS careers typically include positions such as PC technician, desktop support, network administrator, web developer, draftsperson, database administrator, system administrator and related managerial and administrative roles.

PROGRAM COSTS
(beyond standard tuition/fees and textbooks)
Material Costs
• (8-32 GB usb/flash drive, basic office supplies, notebooks), $100
• Recommended: a home or laptop computer capable of running the latest version of the Windows operating system and the latest version of Microsoft Office, $600. Contact program instructors for specifics.

Enrollment Fees
• $10 per credit for online courses

PROGRAM ENTRANCE REQUIREMENTS
Academic Entrance Requirements
• Recommended:
  • High school diploma or GED
  • Minimum placement scores resulting in WR 121 Academic Composition placement or completion of WR 095 Rhetoric/Critical Thinking II/WR 095 Basic Writing II ("C" or better)

PROGRAM PERFORMANCE STANDARDS
Academic Requirements
• Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
• All courses in the program must be completed with a grade of C or higher.

Additional Requirements
• All COCC students enrolled in the Computer Information Systems program (which includes requirements for Cooperative Work Experience) may have to pass Criminal History Checks (CHC) as a condition of their acceptance into a work site. Students who do not pass the CHC may not be eligible to complete requirements at affiliated practicum sites or be hired for some professional positions. Students who believe their history may interfere with their ability to complete the program of study should contact the program director.

PROGRAM COURSE REQUIREMENTS
Core Courses
CIS 120 Computer Concepts 4
CIS 122 Introduction to Programming 4
CIS 131 Software Applications 4
CIS 135DB Database Theory/SQL 4
CIS 140 A+ Essentials I 4
CIS 145 A+ Essentials II 4
CIS 178 Internet in Depth 4
CIS 179 Networking Essentials 4
CIS 195 Web Development I 4
CIS 244 Information Systems Analysis 4
CIS 279WC Windows Client 4
CIS 297 CIS Professional Capstone 4

General CIS AAS Degree
Select 27 credits with a CIS prefix numbered 100 or higher 27

Other Required Courses
Choose one course from the following: 3-4
BA 214 Business Communications
SP 111 Fundamentals Public Speaking
WR 122 Argument, Research and Multimodal Composition
WR 227 Technical Writing

Choose two courses from the Discipline Studies list (except CS prefix courses) or the recommended electives list below 6-8
Recommended: BA 101, BA 111, BA 112, BA 113, BA 177, BA 178, BA 206, BA 207, BA 211, BA 212, BA 213, BA 217, BA 218, BA 220, BA 222, BA 223, BA 224, BA 226, BA 228, BA 229, BA 239, BA 249, BA 250, BA 286

Human Relations approved course 3-4
MTH 085 Technical Mathematics I (or higher) 3-4
or BA 104 Business Math
WR 121 Academic Composition 4

Total Credits 94-99

ADVISING NOTES
Core courses are all offered two to three quarters each academic year. All CIS option courses are offered one to two quarters an academic year. Planning ahead is important. Students may take non-program support courses any term to build skills related to prerequisites.

This degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.
Computer & Information Systems: Computer Aided Drafting
Associate of Applied Science

PROGRAM DESCRIPTION
The Computer Information Systems (CIS) degree program is designed around a core curriculum and four distinct options. The program’s core provides an introduction to computer concepts, software applications, operating systems, networking, database, computer servicing, internet, math, human relations and writing. Graduates work in information technology (IT) for a wide variety of commercial businesses, education, federal/state/local governments, e-commerce, publishing and real estate. CIS careers typically include positions such as PC technician, desktop support, network administrator, web developer, draftsman, database administrator, system administrator and related managerial and administrative roles.

The Computer Aided Drafting option prepares students for entry-level employment in the drafting field. Students prepare for advanced CAD applications through an introductory set of CAD-based curriculum. Students will gain experience using dedicated architectural, civil and mechanical software.

PROGRAM COSTS
(beyond standard tuition/fees and textbooks)
Material Costs
• (8-32 GB usb/flash drive, basic office supplies, notebooks), $100
• Recommended: A home or laptop computer capable of running the latest version of the Windows operating system and the latest version of Microsoft Office, $600. Contact program instructors for specifics.

Enrollment Fees
• $10 per credit for online courses

PROGRAM ENTRANCE REQUIREMENTS
Academic Entrance Requirements
• Recommended:
  • High school diploma or GED
  • Minimum placement scores resulting in WR 121 Academic Composition placement or completion of WR 065 Rhetoric/Critical Thinking II/WR 095 Basic Writing II (“C” or better)
  • Minimum placement scores resulting in MTH 085 Technical Mathematics I placement or completion of MTH 020 Pre-Algebra and/or MTH 060 Algebra I equivalent
  • Basic computer competency (or CIS 010 Computer Keyboarding and CIS 070 Intro to Computers: Windows

PROGRAM PERFORMANCE STANDARDS
Academic Requirements
• Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
• All courses in the program must be completed with a grade of C or higher.

Additional Requirements
• All COCC students enrolled in the Computer Information Systems program (which includes requirements for Cooperative Work Experience) may have to pass Criminal History Checks (CHC) as a condition of their acceptance into a work site. Students who do not pass the CHC may not be eligible to complete requirements at affiliated practicum sites or be hired for some professional positions. Students who believe their history may interfere with their ability to complete the program of study should contact the program director.

PROGRAM COURSE REQUIREMENTS
Core Courses
CIS 120 Computer Concepts 4
CIS 122 Introduction to Programming 4
CIS 131 Software Applications 4
CIS 135DB Database Theory/SQL 4
CIS 140 A+ Essentials I 4
CIS 145 A+ Essentials II 4
CIS 178 Internet in Depth 4
CIS 179 Networking Essentials 4
CIS 195 Web Development I 4
CIS 244 Information Systems Analysis 4
CIS 279WC Windows Client 4
CIS 297 CIS Professional Capstone 4

Computer Aided Drafting Option
CIS 125A1 AutoCAD 1 4
CIS 125A2 AutoCAD 2 4
CIS 135A1 AutoDESK Revit 1 4
CIS 135A2 AutoDESK Revit 2 4
CIS 135C1 AutoCAD Civil 3D 4
CIS 135S1 SolidWorks 1 4
CIS 135S2 SolidWorks 2 4

Other Required Courses
Choose one course from the following: 3-4
BA 214 Business Communications
SP 111 Fundamentals Public Speaking
WR 122 Argument, Research and Multimodal Composition
WR 227 Technical Writing

Choose two courses from the Discipline Studies list (except CS prefix courses) or the following CIS electives.
CIS electives: BA 101, BA 111, BA 112, BA 113, BA 177, BA 178, BA 206, BA 207, BA 211, BA 212, BA 213, BA 217, BA 218, BA 220, BA 222, BA 223, BA 224, BA 226, BA 228, BA 229, BA 239, BA 249, BA 250, BA 286

Human Relations approved course 3-4
MTH 085 Technical Mathematics I (or higher) 3-4
or BA 104 Business Math
WR 121 Academic Composition 4

Total Credits 95-100

ADVISING NOTES
Core courses are all offered two to three quarters each academic year.
All CIS option courses are offered one to two quarters an academic year.
Planning ahead is important. Students may take non-program support courses any term to build skills related to prerequisites.

This degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Computer & Information Systems: Desktop Support
Associate of Applied Science

PROGRAM DESCRIPTION
The Computer Information Systems (CIS) degree program is designed around a core curriculum and four distinct options. The program’s core provides an introduction to computer concepts, software applications, operating systems, networking, database, computer servicing, internet, math, human relations and writing. Graduates work in information technology (IT) for a wide variety of commercial businesses, education, federal/state/local governments, e-commerce, publishing and real estate. CIS careers typically include positions such as PC technician, desktop support, network administrator, web developer, draftsman, database administrator, system administrator and related managerial and administrative roles.

The Desktop Support option prepares students to provide technical assistance to computer system users, answer questions, or resolve computer problems for clients in person, via telephone or from a remote location. Other responsibilities may include providing support for computer hardware and software, including printing, installation, word processing, spreadsheets, database, electronic mail and operating systems.

cocc.edu
PROGRAM COSTS
(beyond standard tuition/fees and textbooks)
Material Costs
• (8-32 GB usb/flash drive, basic office supplies, notebooks), $100
  Recommended:
  A home or laptop computer capable of running the latest version of
  the Windows operating system and the latest version of Microsoft
  Office, $600. Contact program instructors for specifics.
Enrollment Fees
• $10 per credit for online courses

PROGRAM ENTRANCE REQUIREMENTS
Academic Entrance Requirements
• Recommended:
  • High school diploma or GED
  • Minimum placement scores resulting in WR 121 Academic
    Composition placement or completion of WR 065 Rhetoric/Critical
    Thinking II/WR 095 Basic Writing II (“C” or better)
  • Minimum placement scores resulting in MTH 085 Technical
    Mathematics I placement or completion of MTH 020 Pre-Algebra
    and/or MTH 060 Algebra I equivalent
  • Basic computer competency (or CIS 010 Computer Keyboarding
    and CIS 070 Intro to Computers: Windows

PROGRAM PERFORMANCE STANDARDS
Academic Requirements
• Students must have a 2.0 cumulative GPA to earn a COCC certificate
  or degree.
• All courses in the program must be completed with a grade of
  C or higher.

Additional Requirements
• All COCC students enrolled in the Computer Information Systems
  program (which includes requirements for Cooperative Work
  Experience) may have to pass Criminal History Checks (CHC) as
  a condition of their acceptance into a work site. Students who do
  not pass the CHC may not be eligible to complete requirements at
  affiliated practicum sites or be hired for some professional positions.
  Students who believe their history may interfere with their ability
  to complete the program of study should contact the program director.

PROGRAM COURSE REQUIREMENTS
Core Courses
CIS 120  Computer Concepts  4
CIS 122  Introduction to Programming  4
CIS 131  Software Applications  4
CIS 135DB  Database Theory/SQL  4
CIS 140  A+ Essentials I  4
CIS 145  A+ Essentials II  4
CIS 178  Internet in Depth  4
CIS 179  Networking Essentials  4
CIS 195  Web Development I  4
CIS 244  Information Systems Analysis  4
CIS 279WC  Windows Client  4
CIS 297  CIS Professional Capstone  4

Desktop Support Option
Choose a minimum of 27 credits from the following:  27
BA 101  Intro to Business
BA 178  Customer Service
BA 223  Marketing Principles I
CIS 125A  Access
CIS 125E  Excel
CIS 125G  Photoshop
or CIS 125V  Visio
CIS 197  CMS Web Development: WordPress
CIS 235  IT in Business
CIS 280  Co-op Work Experience CIS

Other Required Courses
Choose one course from the following:  3-4
BA 214  Business Communications
SP 111  Fundamentals Public Speaking
WR 122  Argument, Research and Multimodal Composition
WR 227  Technical Writing

Choose two courses from the Discipline Studies list (except  6-8
CS prefix courses) or the recommended CIS electives list below.
Recommended: BA 101, BA 111, BA 112, BA 113, BA 177, BA 178,
BA 206, BA 207, BA 211, BA 212, BA 213, BA 217, BA 218, BA 220,
BA 222, BA 223, BA 224, BA 226, BA 228, BA 229, BA 239, BA 249,
BA 250, BA 286

Human Relations approved course  3-4
MTH 085  Technical Mathematics I (or higher)  3-4
or BA 104  Business Math
WR 121  Academic Composition  4

Total Credits 94-99

ADVISING NOTES
Core courses are all offered two to three quarters each academic year.
All CIS option courses are offered one to two quarters an academic year.
Planning ahead is important. Students may take non-program support
courses any term to build skills related to prerequisites.
This degree is designed for students planning to enter their chosen career
upon graduation. Often only selected credits are considered transferable
to public or private baccalaureate institutions.

Computer & Information Systems: Networking
Associate of Applied Science

PROGRAM DESCRIPTION
The Computer Information Systems (CIS) degree program is designed
around a core curriculum and four distinct options. The program’s core
provides an introduction to computer concepts, software applications,
operating systems, networking, database, computer servicing, internet,
math, human relations and writing. Graduates work in information
technology (IT) for a wide variety of commercial businesses, education,
overal/state/local governments, e-commerce, publishing and real
estate. CIS careers typically include positions such as PC technician,
desktop support, network administrator, web developer, draftsman
database administrator, system administrator and related managerial and
administrative roles.
The Networking option prepares students for entry-level positions in
network administration. Network specialists have the ability to design,
create, manage and maintain computer networks for small businesses.
Courses cover both hardware and software and closely follow major
industry certification requirements.

PROGRAM COSTS
(beyond standard tuition/fees and textbooks)
Material Costs
• (8-32 GB usb/flash drive, basic office supplies, notebooks), $100
  Recommended: a home or laptop computer capable of running the
  latest version of the Windows operating system and the latest version of Microsoft
  Office, $600. Contact program instructors for specifics.
Enrollment Fees
• $10 per credit for online courses

PROGRAM ENTRANCE REQUIREMENTS
Academic Entrance Requirements
• Recommended:
  • High school diploma or GED
  • Minimum placement scores resulting in WR 121 Academic
    Composition placement or completion of WR 065 Rhetoric/Critical
    Thinking II/WR 095 Basic Writing II (“C” or better)
• Minimum placement scores resulting in MTH 085 Technical Mathematics I placement or completion of MTH 020 Pre-Algebra and/or MTH 060 Algebra I equivalent
• Basic computer competency (or CIS 010 Computer Keyboarding and CIS 070 Intro to Computers: Windows

PROGRAM PERFORMANCE STANDARDS

Academic Requirements
• Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
• All courses in the program must be completed with a grade of C or higher.

Additional Requirements
• All COCC students enrolled in the Computer Information Systems program (which includes requirements for Cooperative Work Experience) may have to pass Criminal History Checks (CHC) as a condition of their acceptance into a work site. Students who do not pass the CHC may not be eligible to complete requirements at affiliated practicum sites or be hired for some professional positions. Students who believe their history may interfere with their ability to complete the program of study should contact the program director.

PROGRAM COURSE REQUIREMENTS

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 120</td>
<td>Computer Concepts</td>
<td>4</td>
</tr>
<tr>
<td>CIS 122</td>
<td>Introduction to Programming</td>
<td>4</td>
</tr>
<tr>
<td>CIS 131</td>
<td>Software Applications</td>
<td>4</td>
</tr>
<tr>
<td>CIS 135DB</td>
<td>Database Theory/SQL</td>
<td>4</td>
</tr>
<tr>
<td>CIS 140</td>
<td>A+ Essentials I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 145</td>
<td>A+ Essentials II</td>
<td>4</td>
</tr>
<tr>
<td>CIS 178</td>
<td>Internet in Depth</td>
<td>4</td>
</tr>
<tr>
<td>CIS 179</td>
<td>Networking Essentials</td>
<td>4</td>
</tr>
<tr>
<td>CIS 195</td>
<td>Web Development I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 244</td>
<td>Information Systems Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CIS 279WC</td>
<td>Windows Client</td>
<td>4</td>
</tr>
<tr>
<td>CIS 297</td>
<td>CIS Professional Capstone</td>
<td>4</td>
</tr>
</tbody>
</table>

Networking Option

Choose a minimum of 27 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 151C</td>
<td>Cisco Internetworking</td>
<td></td>
</tr>
<tr>
<td>CIS 152C</td>
<td>Cisco Router Configuration</td>
<td></td>
</tr>
<tr>
<td>CIS 154C</td>
<td>Cisco VLAN and WAN Technologies</td>
<td></td>
</tr>
<tr>
<td>CIS 279L</td>
<td>Linux*</td>
<td></td>
</tr>
<tr>
<td>CIS 279SC</td>
<td>Windows Server Configuration</td>
<td></td>
</tr>
<tr>
<td>CIS 279SE</td>
<td>Security+</td>
<td></td>
</tr>
<tr>
<td>CIS 279SM</td>
<td>Windows Server Management</td>
<td></td>
</tr>
<tr>
<td>CIS 279SS</td>
<td>Windows Server Services</td>
<td></td>
</tr>
<tr>
<td>CIS 280</td>
<td>Co-op Work Experience CIS</td>
<td></td>
</tr>
<tr>
<td>CIS 284</td>
<td>Cisco CCNA Security</td>
<td></td>
</tr>
<tr>
<td>CIS 284EH</td>
<td>Ethical Hacking</td>
<td></td>
</tr>
</tbody>
</table>

Other Required Courses

Choose one course from the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BA 214</td>
<td>Business Communications</td>
</tr>
<tr>
<td>SP 111</td>
<td>Fundamentals Public Speaking</td>
</tr>
<tr>
<td>WR 122</td>
<td>Argument, Research and Multimodal Composition</td>
</tr>
<tr>
<td>WR 227</td>
<td>Technical Writing</td>
</tr>
</tbody>
</table>

Choose two courses from the Discipline Studies list (except CS prefix courses) or the recommended CIS electives list below. 6-8

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 101</td>
<td>Academic Composition</td>
</tr>
<tr>
<td>BA 111</td>
<td>Technical Mathematics I (or higher)</td>
</tr>
<tr>
<td>BA 112</td>
<td>Technical Mathematics II</td>
</tr>
<tr>
<td>BA 113</td>
<td>Technical Mathematics III</td>
</tr>
<tr>
<td>BA 177</td>
<td>Technical Mathematics IV</td>
</tr>
<tr>
<td>BA 206</td>
<td>Technical Mathematics V</td>
</tr>
<tr>
<td>BA 207</td>
<td>Technical Mathematics VI</td>
</tr>
<tr>
<td>BA 211</td>
<td>Technical Mathematics VII</td>
</tr>
<tr>
<td>BA 212</td>
<td>Technical Mathematics VIII</td>
</tr>
<tr>
<td>BA 213</td>
<td>Technical Mathematics IX</td>
</tr>
<tr>
<td>BA 217</td>
<td>Technical Mathematics X</td>
</tr>
<tr>
<td>BA 218</td>
<td>Technical Mathematics XI</td>
</tr>
<tr>
<td>BA 220</td>
<td>Technical Mathematics XII</td>
</tr>
<tr>
<td>BA 222</td>
<td>Technical Mathematics XIII</td>
</tr>
<tr>
<td>BA 223</td>
<td>Technical Mathematics XIV</td>
</tr>
<tr>
<td>BA 224</td>
<td>Technical Mathematics XV</td>
</tr>
<tr>
<td>BA 226</td>
<td>Technical Mathematics XVI</td>
</tr>
<tr>
<td>BA 228</td>
<td>Technical Mathematics XVII</td>
</tr>
<tr>
<td>BA 229</td>
<td>Technical Mathematics XVIII</td>
</tr>
<tr>
<td>BA 239</td>
<td>Technical Mathematics XIX</td>
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<td>BA 249</td>
<td>Technical Mathematics XX</td>
</tr>
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<td>BA 250</td>
<td>Technical Mathematics XXI</td>
</tr>
<tr>
<td>BA 286</td>
<td>Technical Mathematics XXII</td>
</tr>
</tbody>
</table>

Human Relations approved course 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 085</td>
<td>Technical Mathematics I (or higher)</td>
</tr>
<tr>
<td>or BA 104</td>
<td>Business Math</td>
</tr>
<tr>
<td>WR 121</td>
<td>Academic Composition</td>
</tr>
</tbody>
</table>

Total Credits 94-99

ADVISING NOTES

Core courses are all offered two to three quarters each academic year. All CIS option courses are offered one to two quarters an academic year. Planning ahead is important. Students may take non-program support courses any term to build skills related to prerequisites.

This degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

Computer & Information Systems: Web Development

Associate of Applied Science

PROGRAM DESCRIPTION

The Computer Information Systems (CIS) degree program is designed around a core curriculum and four distinct options. The program’s core provides an introduction to computer concepts, software applications, operating systems, networking, database, computer servicing, internet, math, human relations and writing. Graduates work in information technology (IT) for a wide variety of commercial businesses, education, federal/state/local governments, e-commerce, publishing and real estate. CIS careers typically include positions such as PC technician, desktop support, network administrator, web developer, drafts-person, database administrator, system administrator and related managerial and administrative roles.

The Web Development option prepares students for a career as a web developer or website administrator. These professionals are responsible for creating standards-based websites and web/database applications. In addition to programming skills in common markup, scripting and SQL languages, these types of professions require project management and communication skills.

PROGRAM COSTS

(beyond standard tuition/fees and textbooks)

Material Costs
• (8-32 GB usb/flash drive, basic office supplies, notebooks), $100
• Recommended: A home or laptop computer capable of running the latest version of the Windows operating system and the latest version of Microsoft Office, $600. Contact program instructors for specifics.

Enrollment Fees
• $10 per credit for online courses

PROGRAM ENTRANCE REQUIREMENTS

Academic Entrance Requirements
• Recommended:
  • High school diploma or GED
  • Minimum placement scores resulting in WR 121 Academic Writing placement or completion of WR 065 Rhetoric/Critical Thinking II/WR 095 Basic Writing II (“C” or better)
  • Minimum placement scores resulting in MTH 085 Technical Mathematics I placement or completion of MTH 020 Pre-Algebra and/or MTH 060 Algebra I equivalent
  • Basic computer competency (or CIS 010 Computer Keyboarding and CIS 070 Intro to Computers: Windows

PROGRAM PERFORMANCE STANDARDS

Academic Requirements
• Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
• All courses in the program must be completed with a grade of C or higher.

Additional Requirements
• All COCC students enrolled in the Computer Information Systems program (which includes requirements for Cooperative Work Experience) may have to pass Criminal History Checks (CHC) as...
a condition of their acceptance into a work site. Students who do not pass the CHC may not be eligible to complete requirements at affiliated practicum sites or be hired for some professional positions. Students who believe their history may interfere with their ability to complete the program of study should contact the program director.

PROGRAM COURSE REQUIREMENTS

Core Courses
CIS 120  Computer Concepts  4
CIS 122  Introduction to Programming  4
CIS 131  Software Applications  4
CIS 135DB  Database Theory/SQL  4
CIS 140  A+ Essentials I  4
CIS 145  A+ Essentials II  4
CIS 178  Internet in Depth  4
CIS 179  Networking Essentials  4
CIS 195  Web Development I  4
CIS 244  Information Systems Analysis  4
CIS 279WC  Windows Client  4
CIS 297  CIS Professional Capstone  4

Web Development Option
Choose a minimum of 27 credits from the following:  27
CIS 125G  Photoshop
or CIS 125I  Adobe Illustrator
CIS 125DV  Digital Video Productions
or CIS 125WA  Web Animation
CIS 133JS  Introduction to JavaScript
CIS 133P  Introduction to PHP
CIS 197  CMS Web Development: WordPress
CIS 233P  Web Programming
CIS 280  Co-op Work Experience CIS
CIS 295  Web Development II

Other Required Courses
Choose one course from the following:  3-4
BA 214  Business Communications
SP 111  Fundamentals Public Speaking
WR 122  Argument, Research and Multimodal Composition
WR 227  Technical Writing

Choose two courses from the Discipline Studies list (except  6-8
CS prefix courses) or the recommended CIS electives list below.
Recommend: BA 101, BA 111, BA 112, BA 113, BA 177, BA 178,
BA 206, BA 207, BA 211, BA 212, BA 213, BA 217, BA 218, BA 220,
BA 222, BA 223, BA 224, BA 226, BA 228, BA 229, BA 239, BA 249,
BA 250, BA 286

Human Relations approved course  3-4
MTH 085  Technical Mathematics I (or higher)  3-4
or BA 104  Business Math
WR 121  Academic Composition  4

Total Credits 94-99

ADVISING NOTES

Core courses are all offered two to three quarters each academic year. All
CIS option courses are offered one to two quarters an academic year.
Planning ahead is important. Students may take non-program support
courses any term to build skills related to prerequisites.

This degree is designed for students planning to enter their chosen career
upon graduation. Often only selected credits are considered transferable
to public or private baccalaureate institutions.