

**ASSOCIATE IN COMPUTER INFORMATION SYSTEMS  
ACADEMIC ADVISING**

<b>REQUIREMENTS</b>	<b>CREDIT HOURS</b>
<b>General Education Requirements</b>	<b>20 HRS</b>
ENG 160 Composition I	(4)
ENG 162 Composition II	(4)
MAT 225 Introductory Statistics	(4)
SPA 222 The Hispanic-American Experience Through Literature	(4)
HIS 104 Survey of U.S. History to 1865 OR HIS 105 Survey of U.S. History from 1865 to Present OR PSC 103 American Government and Politics	(4)
<b>Major Requirements</b>	<b>12 HRS</b>
CIS 110 Introduction to Object Oriented Programming	(4)
CIS 240 Management Information Systems	(4)
CIS 300 Database Management Concepts	(4)
<b>Concentration Requirements</b>	
<b><u>Information Applications Programmer</u></b>	<b>16 HRS</b>
CIS 210 Object Oriented Programming II	(4)
CIS 220 Client-Side Web Development	(4)
CIS 312 Adv. Applications Programming with Visual Basic	(4)
CIS 320 Server-Side Web Development	(4)
<b><u>Option II: Information Systems Support</u></b>	<b>16 HRS</b>
CIS 130 Microcomputer Hardware System	(4)
CIS 216 Operating Systems	(4)
CIS 217 Network Concepts	(4)
CIS 328 Network Systems Security	(4)
<b>Recommended Electives</b>	<b>12 HRS</b>
Any CIS 200 Level Course	(4/8/12)
CIS 102 Introduction to CIS	(4)
BUS 110 Introduction to Business	(4)
<b>TOTAL CREDIT HOURS/COURSES</b>	<b>60 HRS</b>