

**Murray State College**  
Tishomingo and Ardmore

**Computer Information Systems**

**PROGRAM REQUIREMENTS**

	<b>Credit Hours</b>
<b>GENERAL EDUCATION</b> .....	<b>38</b>
<b>EFFECTIVE COMMUNICATION (6 hours)</b>	
ENG 1113 English Composition I .....	3
ENG 1213 English Composition II .....	3
<b>HISTORY &amp; POLITICAL AWARENESS (6 hours)</b>	
HST 1483 US History to 1877 (or) .....	3
HST 1493 US History since 1877	
GVT 1113 American Federal Government.....	3
<b>MATH &amp; QUANTITATIVE REASONING (3 hours)</b>	
MTH 1513 College Algebra (or) .....	3
MTH 1413 Survey of Math	
<b>SCIENTIFIC REASONING (8 hours)</b>	
PHS 1114 General Physical Science .....	4
BIO 1114 General Biology .....	4
<b>HUMANITIES (6 hours)</b>	
Any course with a HUM prefix .....	3
Any Area 4 course from college catalog.....	3
<b>LIBERAL ARTS &amp; GLOBAL AWARENESS (3 hours)</b>	
ECO 2113 Principles of Macroeconomics .....	3
<b>ARTS &amp; SCIENCES (3 hours)</b>	
BC 2113 Business Communications .....	3
<b>COMPUTER PROFICIENCY (3 hours)</b>	
CIS 1113 Computer Applications (or).....	3
Demonstrated Proficiency	
<b>ACADEMIC SUCCESS (1 hour, if applicable)</b>	
ORI 1011 New Student Orientation .....	(1)
<b>PROGRAM CORE REQUIREMENTS</b> .....	<b>12</b>
CS 1313 Logic & Problem Solving .....	3
CIS 1653 Data Comm & Network Fund .....	3
CIS 2213 Database Mgmt Systems .....	3
CIS 2603 Specialized Word Processing (or) .....	3
CIS 2723 Spreadsheet Applications	
*Substitutions may be made with prior departmental approval.	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>10</b>
CIS 1533 Intro Visual Basic.....	3
CIS 2173 Object Oriented Programming.....	3
CIS 2183 Intro to JAVA .....	3
CIS 2223 Systems Analysis .....	3
CIS 2253 Web Page Design .....	3
CIS 2803 Desktop Publishing.....	3
CS 2163 C++ Programming .....	3
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>
<b>MSC TOTAL CREDIT HOURS REQUIRED</b> .....	<b>60</b>

**SUGGESTED COURSE SEQUENCE**

	<b>Credit Hours</b>
<b>FIRST SEMESTER</b> .....	<b>14</b>
ORI 1011 New Student Orientation .....	1
ENG 1113 English Comp I.....	3
PHS 1114 Gen Phys Science.....	4
ECO 2113 Principles of Macroeconomics.....	3
CIS 1113 Computer Applications.....	3
<b>SECOND SEMESTER</b> .....	<b>17</b>
ENG 1213 English Comp II .....	3
HWP 1112 Personal Health (or) .....	2
HWP 2212 First Aid	
CS 1313 Logic & Problem Solving.....	3
CIS 1653 Data Comm & Network Fund.....	3
Recommended Program Elective .....	3
<b>THIRD SEMESTER</b> .....	<b>15</b>
HST 1483 American History to 1877 (or) .....	3
HST 1493 Amer. History since 1877	
CIS 2213 Database Mgmt Systems .....	3
BC 2113 Business Communications.....	3
Humanities Elective .....	3
Recommended Program Elective .....	3
<b>FOURTH SEMESTER</b> .....	<b>16</b>
GVT 1113 American Federal Government.....	3
CIS 2723 Spreadsheet Applications .....	3
BIO 1114 Gen Biology .....	4
Humanities Elective .....	3
Recommended Program Elective.....	3

**WORKFORCE DEVELOPMENT  
CERTIFICATES AVAILABLE**

- 1. Business Computer User-Word (6 hours)**  
CIS 1113 Computer Applications  
CIS 2603 Specialized Word Processing
- 2. Business Computer User-Excel (6 hours)**  
CIS 1113 Computer Applications  
CIS 2723 Spreadsheet Applications
- 3. Business Computer User-Access (6 hours)**  
CIS 1113 Computer Applications  
CIS 2213 Database Management Systems

This is a suggested course sequence only. Students may, with guidance from an Academic Advisor as well as a Faculty Advisor, make changes to their specific course sequence. The student should be aware that changes may result in more than four semesters to complete their desired Associates Degree.

**PROGRAM OVERVIEW**

This curriculum is intended to provide students with the essential knowledge to develop information system and networking techniques and skills and prepare them to begin a career in their specific field of interest.

Students are exposed to fundamental computer concepts, various computer applications, hardware, software, and more. Substantial "hands on" practical experience in all topics is required.

**CAREER OPPORTUNITIES**

- Personal Computer Technical Support
- Computer Help Desk Support
- Database Manager
- Office Management

**GENERAL COLLEGE PREPARATORY REQUIREMENTS**

MSC evaluates students for placement into either transitional or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by ACT test scores or by COMPASS test scores. These tests are administered in the Testing Centers at MSC Tishomingo or UCSO Ardmore. Based upon the scores, some or all of the following seven (7) courses may need to be taken:

MTH 0103 Introductory Math  
ENG 0103 Reading I

MTH 0303 Beginning Algebra  
ENG 0403 Basic English II

MTH 0403 Intermediate Algebra  
SCI 0103 Basic Science

ENG 0303 Basic English I  
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