

**Iowa Western Community College**  
**Associate of Arts**  
**Computer Science**  
**Application Programming**  
**Years 1 & 2**

<b>Degree Requirements</b>	<b>Cr</b>
<b>Semester 1</b>	
ENG 105 Composition I	3
CSC 110 Introduction to Computers	3
CIS 161 C++ Programming	3
CIS 171 Java Programming	3
<b>Semester 2</b>	
ENG 106 Composition II	3
AA Math Requirement (MAT 121 recommended)	3-4
Social Science Elective	3
CIS 164 Advanced C++	3
CIS 175 Java II	3
CIS 606 Visual BASIC.NET I	3
<b>Semester 3</b>	
SPC 112 Public Speaking	3
Lab Science Requirement	4
Humanities Elective	3
CIS 332 Database and SQL	3
CIS 607 Visual BASIC.NET II	3
<b>Semester 4</b>	
Distributed Requirement	3
Math/Science Elective (MAT 157 recommended)	3
Social Science electives	6
Humanities electives	6
<b>Total Credits</b>	<b>64</b>

**Park University**  
**Bachelor of Science**  
**Information and Computer Science**  
**Computer Science**  
**Years 3 & 4**

<b><i>Liberal Education</i></b>	<b><i>Cr.</i></b>
Writing Competency Test	P
EN306 Professional Writing in Discipline	3
<b><i>Core Curriculum</i></b>	
CS208 Discrete Mathematics	3
CS300 Technology in a Global Society	3
CS321 Web Programming I	3
CS365 Computer Networking	3
CS373 Computer Networking Security	3
IS205 Managing Information Systems	3
IS361 Data Management Concepts	3
<b><i>Computer Science Specialty</i></b>	
CS220 Computer Architecture	3
CS305 Intro to Artificial Intelligence	3
CS322 Web Programming II	3
CS351 Computer Operating Systems	3
CS352 Data Structures	3
MA150 Precalculus Mathematics	3
MA221 Calculus and Analytic Geometry	3
MA311 Linear Algebra	3
<b><i>Free Electives</i></b> (courses must be 300 level or higher)	<b>12</b>
<b>Credits</b>	<b>60</b>
<b>Total Credits Required</b>	<b>124</b>

2012-2013

Up to 75 credits may be applied towards graduation requirements from Iowa Western Community College. Course transfer information is available at:  
<http://www.park.edu/registrar/documents/IowaWesternCCCourseEquivalency11.pdf>