

# COMPUTER INFORMATION SYSTEMS, ADVANCED CERTIFICATE

College(s): DA\*, HW\*, KK\*, MX\*, OH\*, TR\*, WR\*

Program Code: 0013

*\*Beginning Summer 2016, this program is no longer accepting new students.  
Please refer to CCC's other IT offerings.*

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
CIS 101	Computer Science 101	3
CIS 250	Systems Analysis and Design	3
BUSINES 181	Financial Accounting	4
BUSINES 182	Managerial Accounting	4
Select a minimum of 9 credit hours of the following or others as recommended by a College Advisor:		9
CIS 103	Fundamentals of Programming	
CIS 120	Introduction to Computer Applications	
CIS 122	Intro to Word Processing on Microcomputers	
CIS 142	C++ Object Oriented Programming I	
CIS 144	Java Object Oriented Programming I	
CIS 145	Database Management	
CIS 158	Web Development I	
CIS 181	Web Development I/Basic Web Technologies	
CIS 182	Web Development II/Client Side Scripting	
CIS 235	Advanced COBOL Programming	
CIS 244	Java Object Oriented Programming II	
CIS 258	Web Development II	
<b>Electives</b>		
Students should meet with a College Advisor for selection of elective courses.		7
<b>Total Hours</b>		<b>30</b>