SOFTWARE DEVELOPMENT (CERTIFICATE)

Business & Information Technology

Program website (https://www.harpercollege.edu/academics/business/info-systems/software-development-certificate.php)

Program Overview

This 23 credit-hour certificate program is designed to prepare students for business software development. The student will be prepared for an entry-level software development position.

Program Requirements

Code	Title	Hours
Required		
CAS 160	Introduction to Business Software Packages	3
CIS 101	Introduction to Computer Information Systems	3
CIS 106	Computer Logic and Programming Technology [1]	3
CIS 143	Introduction to Database Systems [2]	3
Select one of the following sequences:		8
Sequence 1		
CIS 206	Applied Programming	
CIS 216	Applied Object-Oriented Programming	
Sequence 2		
CSC 121	Computer Science I [3]	
CSC 122	Computer Science II [4]	
WEB 110	Internet Fundamentals	3
or WEB 150	Web Foundations	
Total Hours		**23**

[1] Students should have a strong mathematics background prior to enrollment in software development courses. The prerequisite for CIS 106 is placement into MTH 101 or higher; MTH 103 or higher is recommended.

[2] The prerequisites for CIS 143 are CAS 160 or CIS 101 or WEB 110 with a grade of C or better, and placement into MTH 101 or higher.

[3] Students completing CIS 106 and (MTH 103 with a grade of C or better, or placement into MTH 140 or higher) and consent of CSC department chair will be accepted into CSC 121.

[4] Please contact the CSC department chair for information and prerequisite approval.

Gainful Employment

Harper College provides Gainful Employment information to comply with the U.S. Department of Education.