



**Mercer University and Columbus Technical College
Transfer Agreement**

Bachelor of Science (B.S.) in Software Application Development and
Human-Computer Interaction

Mercer University Courses			Columbus Technical College Equivalent Courses		
Course #	Course Title	Semester Hours	Course #	Course Title	Semester Hours
Core in Major (45 semester hours)					
MATH 225	Topics in Discrete Mathematics	3		No equivalent course	
INFM 201	Introduction to Software Application Development and HCI	3	CIST 2381	Mobile Application Development	4
INFM 202	Graphics and Interface Design	3	CIST 1530	Web Graphics	3
INFM 204	Digital Logic and Programming	3	CIST 1305	Program Design and Development	3
INFM 210	Introduction to Programming Concepts	3	CIST 2341 or CIST 2351 or CIST 2361 or CIST 2371	C# Programming I or PHP Programming I or C++ Programming I or Java Programming I	4
INFM 212	Web Development	3	CIST 1510 or CIST 1520	Web Development I or Scripting Technologies	3
INFM 310	Advanced Programming Concepts	3	CIST 2342 or CIST 2352 or CIST 2362	C# Programming II or PHP Programming II or C++ Programming II	4

			or CIST 2372 or CIST 2373	or JAVA Programming II or JAVA Programming III	
INFM 312	Data Base Design and Data Processing	3	CIST 1200 or CIST 1210	Database Management or Introduction to Oracle Databases	4
INFM 313	Data Base Design and Data Processing II	3	CIST 1220	Structured Query Language (SQL)	4
INFM 322 or INFM 332	Intro to Multimedia and Web Design Tools or Client-Server Development	3		No equivalent course	
INFM 355	Systems Analysis and Design	3	CIST 2921	IT Analysis, Design, and Project Management	4
INFM 372	Human-Computer Interaction and Design	3	CIST 2383	User Experience	4
INFM 382	Mobile Applications Development	3	CIST 2385 or CIST 2386 or CIST 2388	Android Mobile Programming or IOS Mobile Programming or Cross-Platform Mobile Programming	4
INFM 412	Agile Methodology and Usability Study/Testing	3		No equivalent course	
INFM 482	Capstone Project for Software Application Development and Human-Computer Interaction	3		No equivalent course	
Total major hours required		45			
General Education (39 semester hours)					
Total general education hours required		39	View the General Education transfer agreement.		

Electives (36 semester hours)		
Total elective hours required	36	Additional courses from Business and Accounting, Computer Information Systems, Criminal Justice, Education, Emergency Management, Fire Science, Social Work, and the Health Professions may transfer as free electives to the B.S. in Software Application Development and Human-Computer Interaction.
Total semester hours required for completion of the B.S. in Software Application Development and Human-Computer Interaction	120	

Coursework with a grade of C or better is considered for transfer credit.