

**Transfer Agreement for Informatics Courses between
Mercer University's Penfield College and Technical College System of Georgia**

**Bachelor of Science
Informatics Program Course Requirements**

Informatics Required Content Courses (33 semester hours)			TCSG Equivalent Courses		
Course #	Course Title	Sem Hrs	Course #	Course Title	Sem Hrs
INFM 110	Introduction to Informatics	3		No equivalent course	
INFM 204	Digital Logic and Programming	3	CIST 1305	Program Design and Development	3
INFM 210	Programming Concepts for Informatics	3	CIST 2361	C++ Programming I	4
INFM 212	Web Development	3	CIST 1510 or CIST 2950	Web Development or Web Systems Project	3
INFM 310	Advanced Programming Concepts	3	CIST 2362	C++ Programming II	4
INFM 312	Database Design and Informatics	3	CIST 1220	Struc3tured Query Language	4
INFM 350	Data Communications and Network Systems	3	CIST 1141 or CIST 1401	Network+ Preparation or Computer Networking Fundamentals	4
INFM 355	Systems Analysis and Design	3	CIST 2921	IT Analysis, Design, and Project Management	4
INFM 372	Human-Computer Interaction and Usability Study	3		No equivalent course	
INFM 405	Research Methods and Project Planning Management	3		No equivalent course	
INFM498	Informatics Capstone	3		No equivalent course	
MATH 220	Applied Statistical Methods	3	MATH 1127	Introduction to Statistics	3
MATH225	Topics in Discrete Mathematics	3		No equivalent course	
TOTAL REQUIRED HOURS REQUIRED FOR CORE COURSES		33			
Health Information Technology Track (9 semester hours)					
INFM 205	Survey of Health Informatics	3	HIMT 1150	Computer Applications in Healthcare	2
INFM 225	Health Informatics Standardization	3	HIMT 1410	Coding and Classification II	3

INFM 335	Basic Biostatistics, Health Data Processing, and Literature Evaluation	3	HIMT 2150	Healthcare Statistics	2
INFM 345	Research Methods for Informatics	3		No equivalent course	
INFM 475	Capstone for Health Informatics	3		No equivalent course	
TOTAL HOURS REQUIRED		15			
Web Development and Human-Computer Interaction (9 semester hours)					
INFM 202	Graphics and Interface Design	3	CIST 1530	Web Graphics I	3
INFM 322	Introduction to Multimedia and Web Design Tools	3		No equivalent course	
INFM 332	Client-Server Development	3	CIST 2550	Web Development II	3
INFM 372	Human Computer Interaction and Usability Study	3		No equivalent course	
INFM 472	Capstone for Human-Computer Interaction	3		No equivalent course	
TOTAL HOURS REQUIRED		15			
General Informatics (9 semester hours)					
INFM 301	Issues in Technology Management	3		No equivalent course	
INFM 321	Technology and Culture	3		No equivalent course	
INFM 331	Informatics, Expert Systems, and Artificial Intelligence	3		No equivalent course	
INFM 351	Comparative Organizational Informatics	3		No equivalent course	
INFM 471	Capstone for General Informatics	3		No equivalent course	
TOTAL HOURS REQUIRED		15			
Elective Courses (33 semester hours)					
TOTAL ELECTIVE COURSES		33	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 Informatics Program.		
TOTAL SEMESTER HOURS REQUIRED FOR COMPLETION OF THE INFORMATICS DEGREE		120			