

Mercer University

Informatics Program Course Requirements *(effective August 22, 2011)*

This agreement provides students who have earned an Associate of Applied Science degree at any Technical College System of Georgia institution, which is accredited by the Commission on Colleges (COC) of the Southern Association of Colleges and Schools (SACS), the opportunity to continue their education by transferring into Mercer University's College of Continuing and Professional Studies and/or Tift College of Education to complete a bachelor's degree. Students are eligible to pursue a bachelor's degree in one of the following program areas: General Education, Human Resources Administration and Development, Human Services, Informatics, Organizational Leadership, Public Safety, Early Childhood Special Education, Middle Level Education, or Early Care and Education.

Conditions of Transfer:

1. Completion of an Associate of Applied Science degree at a COC-accredited TCSG institution does not guarantee admission to Mercer University. Candidates must successfully meet all requirements for admission to Mercer University and to the appropriate degree program in Mercer's College of Continuing and Professional Studies and/or Tift College of Education.
2. Students must have earned a "C" or better in all transferable courses
3. Mercer will accept a maximum of 64 semester hours from COC-accredited technical colleges, such as Wiregrass Georgia Tech.

Mercer's College of Continuing & Professional Studies Informatics Required Content Courses			Technical College System of Georgia (TCSG) Equivalent Courses		
Course Prefix & Number	Course Title	Sem Hours	Course Prefix & Number	Course Title	Sem Hours
Informatics Content Courses Required Courses (33 semester hours)					
INFM 110	Introduction to Informatics	3			
INFM 120	Introduction to Computer Systems	3	CIST 1130	Operating System Concepts	3
INFM 210	Programming Concepts for Informatics	3	CIST 2361	C++ Programming I	4
INFM 212	Web Development	3	CIST 2211	Web Development I	3
INFM 310	Advanced Programming Concepts	3	CIST 2362	C++ Programming II	4
INFM 312	Database Design and Informatics	3	CIST 1220	Structured Query Language (SQL)	4
INFM 350	Data Communications and Network Systems	3	CIST 1141, CIST 1401, CIST 2601, CIST 2602	Network+ Preparation Computer Networking Fundamentals Implementing Operating Systems Security Network Security	4
INFM 455	Systems Analysis and Design	3	CIST 2921	IT Analysis, Design, and Project Management	4
MATH 181	Calculus for the Social and Life Sciences	3	MATH 1131	Calculus I	3
MATH 220	Applied Statistical Methods	3	MATH 1127	Introduction to Statistics	3
MATH 230	Introduction to Abstract Mathematics	3			
Health Information Technology Track (15 semester hours)					
INFM 205	Survey of Health Informatics	3	HIMT 1150	Computer Applications in Healthcare	2
INFM 225	Health Informatics Standardization	3			
INFM 335	Basic Biostatistics, Health Data Processing, and Literature Evaluation	3	HIMT 2150	Healthcare Statistics	2
INFM 345	Research Methods for Informatics	3			
INFM 475	Capstone for Health Informatics	3			

**Web Development and Human-Computer Interaction
(15 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			
INFM 332	Client-Server Development	3	CIST 2550	Web Development II	3
INFM 372	Human Computer Interaction and Usability Study	3			
INFM 472	Capstone for Human-Computer Interaction	3			

**General Informatics
(15 semester hours)**

INFM 301	Issues in Technology Management	3			
INFM 321	Technology and Culture	3			
INFM 331	Informatics, Expert Systems, and Artificial Intelligence	3			
INFM 351	Comparative Organizational Informatics	3			
INFM 471	Capstone for General Informatics	3			

**Elective Courses
(30 semester hours)**

Total Elective Hours

30

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 Human Resources Administration and Development Program. Business management and related courses cannot exceed 27 semester units of the minimum number required for completion of the degree.

120 TOTAL SEMESTER HOURS REQUIRED FOR COMPLETION OF THE INFORMATICS DEGREE