Program: COMPUTER SCIENCE									
Program Student Learning Goals *Successful graduates from this program will be able to......*	*Demonstrate a broad knowledge of the field of computer science, as measured by the best practices of the ACM curriculum guidelines;*	*Demonstrate understanding of abstract mathematical structures, mathematical techniques, and formal mathematical reasoning as they pertain to the area of computer science;*	*Demonstrate an understanding of the principles behind the development of small and large software systems by creating well-structured, well-documented, and properly functioning software;*	*Demonstrate an understanding of the architecture and organization of computer systems by designing digital logic circuits and showing proficiency with the principles of memory systems, disc array systems, and the central processing unit;*	*Demonstrate an understanding of the principles of computer data structures and their algorithms by implementing and using them to solve different computer problems*	*Demonstrate an understanding of operating systems by showing proficiency with the principles of operating systems as computer resource managers, and interfaces between user applications and the computer hardware;*	*Demonstrate an understanding of the design, implementation, and management of database systems by building a relational database management system;*	*Demonstrate an understanding of the principles and practice of computer communications and networking by discussing layered protocol designs (including TCP/IP and IEEE 802), the Internet, and the Web.*	**Foundation Course*
CSC 101	I		I	I	I	I			*
CSC 102	I		I/R		I				
CSC 201	I	I							*
CSC 301	I/R	I/R							
CSC 303	I/R			I/R					*
CSC 316	I/R		I/R		I/R				
CSC 322	I/R	I/R	I/R		I/R				*
CSC 323	I/R							I/R	
CSC 325	I/R	I							*
CSC 343	I/R	R					I/R		
CSC 425	I/R	I/R				I/R		I	*
CSC 433	I/R		I/R/M						
MAT 201		R							
MAT 202		R							
PHI 108									*

Curriculum Map Key	Place a letter in the appropriate box where the program goal is Introduced, Reinforced, and/or Mastered. **I** = Introduced; program student learning goal is introduced **R** = Reinforced; provide practice opportunities for the program student learning goal **M** = Mastered; demonstrated mastery of the program student learning goal. *Some courses may have two letters (I/R or R/M) or all three (I/R/M)* ***Foundation Course** A course that provides base skills needed to be successful in the program. ***Programs may not require or have foundation courses; it will vary from program to program.***