

SAMPLE CURRICULUM MAP # 5: A Hypothetical B.S. in Computer Science Program

LEGEND [I] OUTCOME STATEMENT: The program outcome is (X) EXPLICITLY (score of 2) or (M) IMPLICITLY (score of 1) reflected in the course syllabus as being a learning outcome for this course. [II] LEVEL OF INSTRUCTION: (I) INTRODUCED - Students are not expected to be familiar with the content or skill at the collegiate level. Instruction and learning activities focus on basic knowledge, skills, and/or competencies and entry-level complexity. Only one (or a few) aspect(s) of a complex program outcome is addressed in the given course (score of 1). (E) EMPHASIZED - Students are expected to possess a basic level of knowledge and familiarity with the content or skills at the collegiate level. Instruction and learning activities concentrate on enhancing and strengthening knowledge, skills, and expanding complexity. Several aspects of the outcome are addressed in the given course, but these aspects are treated separately (score of 2). (R) REINFORCED - Students are expected to possess a strong foundation in the knowledge, skill, or competency at the collegiate level. Instructional and learning activities continue to build upon previous competencies with increased complexity. All components of the outcome are addressed in the integrative contexts (score of 3). (A) ADVANCED - Students are expected to possess an advanced level of knowledge, skill, or competency at the collegiate level. Instructional and learning activities focus on the use of the content or skills in multiple contexts and at multiple levels of complexity (score of 4). [III] FEEDBACK ON STUDENT PERFORMANCE / ASSESSMENT: (F) Students are asked to demonstrate their learning on the outcome through homework, projects, tests, etc., and are provided formal feedback (score of 1).	SEMESTER:	SELECTED <i>Program Student Learning Outcomes</i> -- The B.S. in Computer Science Program Graduates Will Be Able To:																			COURSE BREADTH SCORES	COURSE DEPTH SCORES	COURSE ASSESSMENT FOCUS SCORES
	UNIT RESPONSIBLE:	FALL 2006	1. The basic elements of computer theory.			2. Computer organization and operating systems.			3. Data communication and networks.			4. Programming design methods.			5. The basic elements of the analysis of algorithms.			6. Developing Software.					
	DEGREE:	DEPARTMENT OF COMPUTER SCIENCE	B.S. IN COMPUTER SCIENCE			[i] Outcome Statement (X, M)	[ii] Level (I, E, R, A)	[iii] Feedback (F) / Assessment	[i] Outcome Statement (X, M)	[ii] Level (I, E, R, A)	[iii] Feedback (F) / Assessment	[i] Outcome Statement (X, M)	[ii] Level (I, E, R, A)	[iii] Feedback (F) / Assessment	[i] Outcome Statement (X, M)	[ii] Level (I, E, R, A)	[iii] Feedback (F) / Assessment	[i] Outcome Statement (X, M)	[ii] Level (I, E, R, A)	[iii] Feedback (F) / Assessment			
		CORE CURRICULUM COURSES FOR A "TYPICAL" B.S. IN COMPUTER SCIENCE STUDENT																					
		CSC 101: INTRODUCTION TO COMPUTER SCIENCE				M					X	I	F	X	I	F	X	I	F	4	3	3	
		CSC 170: COMPUTER PROGRAMMING I				M					X	I	F	X	I	F	X	I	F	4	3	3	
		CSC 260: COMPUTER PROGRAMMING II				M					X	E	F	X	E	F	X	E	F	4	6	3	
		CSC 269: COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING				X	I	F	M					X	E	F	X	A	F	4	7	3	
		CSC 270: DISCRETE STRUCTURES	X	E	F	M								X	E	F	X	E	F	4	6	3	
		CSC 295: JAVA APPLICATION PROGRAMMING				M					X	I	F	M	I	F	X	E	F	4	4	3	
		CSC 361: SURVEY OF PROGRAMMING LANGUAGES	X	E	F						M			M	R	F	X	A	F	4	9	3	
		CSC 372: DATA STRUCTURES	M	E	F	M					X	E	F	X	E	F	X	A	F	5	10	4	
		CSC 380: SOFTWARE ENGINEERING	X	A	F						X	E	F	X	A	F	X	E	F	4	12	4	
		CSC 422: DATABASE IMPLEMENTATION									X	A	F	X	R	F	X	A	F	3	11	3	
		CSC 430: DATA COMMUNICATION	X	A	F	X	E	F	X	I	F	X	A	F						4	11	4	
		CSC 464: OPERATING SYSTEMS							X	A	F	X	A	F	X	A	F	X	A	F	4	16	4
		CSC 468: COMPUTER ARCHITECTURE	X	A	F	X	E	F	X	R	F	X	A	F						4	13	4	
		CSC 498: SENIOR SEMINAR I															X	A	F	1	4	1	
		CSC 499: SENIOR SEMINAR II															X	A	F	1	4	1	
		OUTCOME SCORES (i) COMMUNICATION, (ii) SATURATION AND (iii) FEEDBACK POINTS	11	18	6	12	5	3	7	8	3	21	25	10	20	25	11	26	38	13			