

ADVANCED OUTCOMES IN THE MAJOR AREA

DISCIPLINE: COMPUTING AND INFORMATION TECHNOLOGY

Discipline Outcomes	Advanced Level Abilities	
	Primary Focus	Related Focus
1. Effectively uses computing frameworks, both collaboratively and independently, to analyze, develop, implement and evaluate solutions to diverse problems.	Analysis, 5, 6 Communication, 5, 6 Problem Solving, 5, 6	
2. Effectively uses information technology to analyze systems in the context of frameworks from multiple disciplines, and to effectively communicate the process or product.	Analysis, 5, 6 Communication, 5, 6 Problem Solving, 5, 6	
3. Facilitates the appropriate and ethical application or creation of technology, and communicates the impact of technology on individuals, organizations, and society.	Communication, 5, 6 Valuing, 5, 6	Analysis, 5, 6 Problem Solving, 5, 6
4. Applies principles of usability to the design and implementation of components, products, and systems.	Problem Solving, 5, 6 Valuing, 5, 6	Analysis, 5, 6
5. Demonstrates professionalism and leadership in her ability to intergrate, synthesize and adapt her learning in an ever changing environment.	Analysis, 5, 6 Problem Solving, 5, 6 Valuing, 5, 6	Communication, 5, 6

Advanced Level Courses Required for the Major (taken collectively this set of courses in various combinations contributes to the achievement of the outcomes of the major):

Required

CIT 300	Computer Components
CIT 376	System Analysis & Design
INTERN 383	Internship
CIT 420	Operating Systems
CIT 470	Advanced Database Design
CIT 490	Project Management
2 - 300 or 400 electives for 6 credits	

Advanced Ability Units Required for the Major

Advanced Courses	Communication		Problem Solving		Analysis		Valuing	
	5	6	5	6	5	6	5	6
CIT 300	X		X		X			
CIT 376	X	X	X	X	X	X	X	
CIT 420	X	X	X	X	X	X	X	X
CIT 470	X	X	X	X	X	X	X	X
CIT 490	X	X	X	X	X	X	X	X