

CIT 460. INTERDISCIPLINARY PROJECTS.

Credit Hours: 3

Scheduled hours per week

Lecture: 3

Lab: 0

Other: 0

Catalog Course Description: An investigation of an actual or experimental situation; may involve the design, construction, and testing of an experimental apparatus. Students will be assigned to a multiple-disciplinary project team. Capstone course.

Pre-requisites: Grade of “C” or higher in STEM 420

Co-requisites: N/A

Course Learning Outcomes:

To demonstrate a comprehensive knowledge and understanding of the topics taught in the BAT degree program, and that ability to apply those concepts to real world situations.

Topics to be studied:

- Selecting a project
- Needs assessment and goals
- Design Methodology
- Network Topologies
- Systems design
- Technology plans

Relationship of Course to Program or Discipline Learning Outcomes:

X	Ability to understand, plan, and execute good Project Management
X	Ability to recognize and apply industry recognized code of ethics to various situations
X	Ability to understand and apply Information Security concepts and best practices
X	Ability to plan, implement, and troubleshoot Advanced Routing and Switching technologies
X	Ability to plan, implement, and troubleshoot Advanced Systems Administration technologies
X	Ability to plan, implement, and troubleshoot Advanced Security Systems

For general education courses, a listing of the general education competencies that are met.)

Relationship of Course to General Education Learning Outcomes:

Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	X
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	X
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	X

<p>Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.</p>	X
<p>The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.</p>	
<p>5/3/2016</p>	

Special requirements of the course:

- Students will complete a comprehensive project at the end of the class.
- Student must sit for a comprehensive exam of all BAT courses.

Additional information:

- The project will be presented in both a written paper and in class presentation.

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