### CIS 2900  
**Directed Study in IT**

**Course Description:**
This course is for students majoring in Information Technology. Students will complete projects and make presentations based on self-directed research and related experiences. Prerequisite: Successful completion of required program course work. Department approval required. (2-hour lab)

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<th>Course Competency</th>
<th>Learning Outcomes</th>
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| **Competency 1:** The student will demonstrate market knowledge in Information Technology (IT) by: | • Numbers / Data  
• Information Literacy |
| 1. Describing current employment statistics on IT occupations in a given market.  
2. Identifying future industry employment trends for an area of IT specialization. | |
| **Competency 2:** The student will demonstrate knowledge of the responsible use of technology systems and software by: | • Critical thinking  
• Ethical Issues |
| 1. Identifying the capabilities and limitation of contemporary and emerging technology resources and assess the potential of these systems and services to address personal and workplace needs.  
2. Analyzing choices among technology systems, resources, and services. | |
| **Competency 3:** The student will demonstrate the ability to use appropriate tools to organize and present project designs by: | • Communication  
• Computer / Technology Usage |
| 1. Using appropriate technology tools and resources for managing and communicating personal and/or professional information.  
2. Creating written, oral, numeric or visual communications using appropriate applications to construct, organize, analyze and interpret ideas and data, and presenting a conclusion. | |

Updated Spring 2021
3. Selecting and applying technology tools for research, information analysis, problem solving and decision-making.

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<tr>
<th>Competency 4: The student will demonstrate effective project skills by:</th>
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<tr>
<td>1. Establishing attainable goals for the project and presenting the statement of purpose for approval.</td>
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<td>2. Developing and presenting the proposed project timeline.</td>
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<td>3. Developing and presenting the final project.</td>
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