10.24.2020

## Program Educational Outcomes for Undergraduate Degrees Offered by The Department of Information Technology and Management

The Department of Information Technology and Management and the Information Technology and Management Executive Advisory Board approved the following Information Technology and Management Undergraduate Program Educational Outcomes in October, 2020. These Program Educational Outcomes will be effective for students matriculating in the Fall of 2021 and later. The Undergraduate Program Educational Outcomes will be reviewed and revised as necessary following publication of the next edition of the *Illinois Institute of Technology Strategic Plan*.

The **Bachelor of Information Technology and Management** degree at Illinois Institute of Technology produces graduates who are able to:

- Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals.

- Perform requirements analysis, design and administration of secure computer and network-based systems conforming to policy and best practices, and monitor and support continuing development of relevant policy and best practices as appropriate.

- Apply current industry, technical, and mathematical concepts and practices in the core information technologies and recognize the need to engage in continuing professional development.

The **Bachelor of Science in Applied Cybersecurity and Information Technology** degree at Illinois Institute of Technology produces graduates who are able to:

- Problem solve and create innovative answers to provide technology solutions for the problems of business, industry, government, non-profit organizations, and individuals.

- Perform requirements analysis, design and administration of secure computer and network-based systems conforming to policy and best practices, and monitor and support continuing development of relevant policy and best practices as appropriate.

- Apply current industry, technical, and mathematical concepts and practices in the core information technologies and recognize the need to engage in continuing professional development.

- Design and implement an enterprise security program using policy, technology, and awareness to implement appropriate controls and technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

- Investigate information security incidents and violation of law using computer resources in a manner such that all evidence is usable for fault analysis and, when applicable, admissible in a court of law.