## INFORMATION SYSTEMS - ISB

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISB 501</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISB 575</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ISB 600</td>
<td>Strategic Modeling &amp; System Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ISB 602</td>
<td>Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>ISB 609</td>
<td>Competitive IT &amp; Project Management</td>
<td>3</td>
</tr>
<tr>
<td>ISB 657</td>
<td>Cyber Security</td>
<td>3</td>
</tr>
</tbody>
</table>

**ISB 501 Management Information Systems**
Businesses operate through their information systems: databases, data networks, supply chains and electronic commerce applications. This course provides an overview of a company’s critical information infrastructure and data applications, and how IT can contribute to competitive advantage.

*Offered:* every fall, spring, & summer.

**ISB 575 Systems Analysis and Design**
In-depth coverage of information systems development. Topics include the systems development life cycle, analysis methods, data flow diagramming, design tools, and project management techniques and concepts.

*Prerequisite:* MBA 501 or ISB 501.

*Offered:* occasionally.

**ISB 600 Strategic Modeling & System Dynamics**
Strategic modeling uses computer simulations and other modeling techniques to understand business, environmental, and public policy problems. This course provides an introduction to systems thinking and system dynamics. “Systems thinking” is a way of viewing the world, understanding relationships and gaining insights into problems and opportunities. Viewing the world from a system perspective is an imperative for tomorrow’s leaders since solving complex, social problems involves an interdisciplinary approach. Modeling will be used to cover topics such as supply chains, inventory management, business growth, environmental sustainability, strategic management and various public policy issues.

*Offered:* occasionally.

**ISB 602 Computer Forensics**
Introducing forensics tools to investigate computers, networks, Internet activities, Email, cell phones and other digital media devices to recover electronic evidence, even if deleted. Skills to investigate crimes involving computers or Internet.

*Prerequisite:* MBA 501 or ISB 501.

*Offered:* occasionally.

**ISB 609 Competitive IT & Project Management**
This course provides an introduction into IT Project Management and the interaction between IT and business teams. We will discuss the full project life cycle and how IT teams work from design and development through release and support.

*Prerequisite:* MBA 501 or ISB 501.

*Offered:* occasionally.

**ISB 657 Cyber Security**
Technical, legal and policy defenses to protect databases and information systems. Topics considered include intrusion detection, malware, host- and network-based vulnerabilities and countermeasures, database security, identity theft and privacy.

*Prerequisite:* MBA 501 or ISB 501.

*Offered:* occasionally.