

# HiLCoE

School of Computer Science and Technology

## Course Breakdown

**Program Name: Master of Science in Software Engineering**

	Term I	Term II	Term III
<b>Year I</b>	<ul style="list-style-type: none"><li>• <i>Research Methodology</i></li><li>• <i>Requirements Engineering</i></li><li>•</li></ul>	<ul style="list-style-type: none"><li>• <i>Software Project Management</i></li><li>• <i>Information Systems Security</i></li></ul>	<ul style="list-style-type: none"><li>• <i>Software Architecture &amp; Construction</i></li><li>• <i>Software Testing &amp; Usability</i></li></ul>
	Term I	Term II	
<b>Year II</b>	<ul style="list-style-type: none"><li>• <i>Elective 1</i></li><li>• <i>Elective 2</i></li></ul> <p>(Web Technology or Advanced Computer Networks or Database Technology or Distributed Computing)</p>	<ul style="list-style-type: none"><li>• <i>Research Project / Thesis</i></li></ul>	<ul style="list-style-type: none"><li>• <i>(OR)Elective 3 (Systems Thinking or Data Mining &amp; BI)</i></li><li>• <i>Elective 4 (Industrial Project)</i></li></ul>

### Other Elective Courses:

Advanced Data Structures and Algorithm Analysis
Seminar
Formal Software Specification
Human-Computer Interaction /HCI
Software Engineering of web applications
Multimedia Systems

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**Program Name: Master of Science in Computer Science**

	Term I	Term II	Term III
Year I	<ul style="list-style-type: none"> <li>• <i>Research methodology</i></li> <li>• <i>Requirements Specification and Design</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Information Systems Security</i></li> <li>• <i>Advanced Computer Networks</i></li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• <i>IT Project Management</i></li> <li>• <i>Database Technology</i></li> <li>•</li> </ul>
	Term I	Term II	
Year II	<ul style="list-style-type: none"> <li>• <i>Elective 1 (Web Technology or Natural Language Processing)</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Elective 3</i></li> <li>• <i>Elective 4</i></li> </ul> <p>(Business Intelligence &amp; Data Mining and/or Systems Thinking and/or Advanced Application Project)</p>	<p>(OR)</p> <p><i>Research Project/Thesis</i></p>

### Other Elective Courses:

Seminar
Embedded Systems
Parallel Processing
Pervasive Computing
Multimedia Systems
Advanced Information Retrieval
Artificial Intelligence