

**IMMACULATA UNIVERSITY**

**FOUR-YEAR COURSE SEQUENCE SHEET**

**Department: MATHEMATICS, COMPUTER SCIENCE & PHYSICS**

**Major: INFORMATION TECHNOLOGY**

**B.S.**

<i><b>Freshman Year - First Semester</b></i>	<i><b>Freshman Year – Second Semester</b></i>
<input type="checkbox"/> ELECTIVE (3)* <b>or</b>	<input type="checkbox"/> ELECTIVE (3)** <b>or</b>
<input type="checkbox"/> THE ELECTIVE (3)	<input type="checkbox"/> THE ELECTIVE (3)
<input type="checkbox"/> ENG 106: Composition I (3)	<input type="checkbox"/> ENG 107: Composition II (3)
<input type="checkbox"/> FOR LANG (3)	<input type="checkbox"/> FOR LANG (3)
<input type="checkbox"/> CIS 105: 3D Computing (3)	<input type="checkbox"/> CIS218: Software Design & Programming (3)
<input type="checkbox"/> MATH 203: Intermediate College Math (3) <b>or</b>	<input type="checkbox"/> MATH 216: Discrete Mathematics (3)
<input type="checkbox"/> MATH 207: Introductory Analysis (3) <b>or</b>	
<input type="checkbox"/> MATH 301: Calculus I (3)	
<input type="checkbox"/> PHYS ED (0) or EXS 101 (2)	<input type="checkbox"/> PHYS ED (0) or EXS 101 (2)
<input type="checkbox"/> FYE (1) <span style="float:right"><i>(16-18 cr)</i></span>	<input type="checkbox"/> <span style="float:right"><i>(15-17 cr)</i></span>
<i><b>Sophomore Year - First Semester</b></i>	<i><b>Sophomore Year – Second Semester</b></i>
<input type="checkbox"/> ENG LIT (100 LEVEL): English Literature (3) <b>or</b>	<input type="checkbox"/> ENG LIT (100 LEVEL): English Literature (3) <b>or</b>
<input type="checkbox"/> PHI Elective (3) (PHI209 suggested)	<input type="checkbox"/> PHI Elective (3) (PHI209 suggested)
<input type="checkbox"/> HIST 115: The Origins and Rise of World Civ (3)	<input type="checkbox"/> HIST 116: The Making of World Civilization (3)
<input type="checkbox"/> CIS 214: Multimedia: Concepts & Design (3)	<input type="checkbox"/> COM 250: Public Speaking (3) <b>or</b>
	<input type="checkbox"/> CIS 231: The Basics of Networking (3)
<input type="checkbox"/> CIS 224: Database (3) <b>or</b>	<input type="checkbox"/> CIS 331: Software Project Management (3) <b>or</b>
<input type="checkbox"/> LAB SCI (3)	<input type="checkbox"/> PHY 208: Science of Communication (3)
<input type="checkbox"/> CIS 230: Web Design (3)	<input type="checkbox"/> ELECTIVE (3)
<input type="checkbox"/> THE 218: Intro to Christian Ethics (3) <b>or</b>	<input type="checkbox"/> THE 218: Intro to Christian Ethics (3) <b>or</b>
<input type="checkbox"/> SOC SCI: Elective (3)	<input type="checkbox"/> SOC SCI: Elective (3)
<input type="checkbox"/> PHYS ED (0) <span style="float:right"><i>(18cr)</i></span>	<input type="checkbox"/> PHYS ED (0) <span style="float:right"><i>(18 cr)</i></span>
<i><b>Junior Year – First Semester</b></i>	<i><b>Junior Year – Second Semester</b></i>
<input type="checkbox"/> SOC SCI Elective (3) <b>or</b>	<input type="checkbox"/> SOC SCI (3) Elective <b>or</b>
<input type="checkbox"/> PHI Elective (3)	<input type="checkbox"/> PHI Elective (3)
<input type="checkbox"/> CIS 325: Systems Analysis & Design (3) <b>or</b>	<input type="checkbox"/> COM 250: Public Speaking (3) <b>or</b>
<input type="checkbox"/> ELECTIVE (3)	<input type="checkbox"/> CIS 231: The Basics of Networking (3)
<input type="checkbox"/> CIS 224: Database (3) <b>or</b>	<input type="checkbox"/> CIS 331: Software Project Management (3) <b>or</b>
<input type="checkbox"/> LAB SCI (3)	<input type="checkbox"/> PHY 208: Science of Communication (3)
<input type="checkbox"/> CIS 330 Adv. Topics in Robotics (3) <b>or</b>	<input type="checkbox"/> CIS 404: Human Computer Interaction (3) <b>or</b>
<input type="checkbox"/> CIS 335: Technology and Ethical Issues	<input type="checkbox"/> CIS 406: Software Quality & Testing (3)
<input type="checkbox"/> ELECTIVE (3) (CIS401/405 suggested) <span style="float:right"><i>(15 cr)</i></span>	<input type="checkbox"/> ELECTIVE (3) (CIS 408 suggested) <span style="float:right"><i>(15 cr)</i></span>
<i><b>Senior Year – First Semester</b></i>	<i><b>Senior Year – Second Semester</b></i>
<input type="checkbox"/> THE: Elective (3)	<input type="checkbox"/> CIS 404: Human Computer Interaction (3) <b>or</b>
	<input type="checkbox"/> CIS 406: Software Quality & Testing (3)
<input type="checkbox"/> CIS 325: Systems Analysis & Design (3) <b>or</b>	<input type="checkbox"/> CIS 410: Senior Seminar (3)
<input type="checkbox"/> ELECTIVE (3)	
<input type="checkbox"/> CIS 330: Adv. Topics in Robotics (3) <b>or</b>	<input type="checkbox"/> ELECTIVE (3)
<input type="checkbox"/> CIS 335: Technology and Ethical Issues	
<input type="checkbox"/> CIS 409: Directed Readings	<input type="checkbox"/> ELECTIVE (3)
<input type="checkbox"/> ELECTIVE (2) <span style="float:right"><i>(14 cr)</i></span>	<input type="checkbox"/> ELECTIVE (3) <span style="float:right"><i>(15 cr)</i></span>
<input type="checkbox"/> <b>CROSS CULTURAL REQUIREMENT</b>	

\*CIS 201 if needed      \*\*CIS202 if needed

Reference list of Dept Elective courses: CIS 215, 317,326, 327, 328, 330, 401/405, 403, 408