

IMMACULATA UNIVERSITY

FOUR-YEAR COURSE SEQUENCE SHEET

Department: MATHEMATICS, COMPUTER SCIENCE & PHYSICS

Major: MATH/COMPUTER SCIENCE

B.S.

<i>Freshman Year - First Semester</i>	<i>Freshman Year – Second Semester</i>
<input type="checkbox"/> THE ELECTIVE (3)	<input type="checkbox"/> CIS 218 Software Design & Programming (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"/> MATH 301: Calculus I (3)	<input type="checkbox"/> MATH 302: Calculus II (3)
<input type="checkbox"/> CIS 105: 3D Computing (3)	<input type="checkbox"/> MATH 216: Discrete Mathematics (3)
<input type="checkbox"/> PHYS ED or EXS 101 (2)	<input type="checkbox"/> PHYS ED or EXS 101 (2)
<input type="checkbox"/> FYE (1) <i>(16-18 Cr)</i>	<i>(15-17 cr)</i>
<i>Sophomore Year - First Semester</i>	<i>Sophomore Year – Second Semester</i>
<input type="checkbox"/> HIST 115:Origins of World Civilizations (3)	<input type="checkbox"/> HIST 116: The Making of World Civilization (3)
<input type="checkbox"/> MATH 304: Calculus III (3)	<input type="checkbox"/> MATH 311: Linear Algebra (3)
<input type="checkbox"/> PHI ELECTIVE (PHIL209 suggested) or	<input type="checkbox"/> CIS 231: The Basics of Networking (3) or
<input type="checkbox"/> CIS 224: Database (3)	<input type="checkbox"/> ENG LIT (100 LEVEL) English Literature (3)
<input type="checkbox"/> PHY 203: Physics (4)	<input type="checkbox"/> PHY 204: Physics (4)
<input type="checkbox"/> THE 218: Intro to Christian Ethics (3) or	<input type="checkbox"/> THE 218: Intro to Christian Ethics (3) or
<input type="checkbox"/> Elective	<input type="checkbox"/> Elective (3)
<input type="checkbox"/> PHYS ED <i>(16 Cr)</i>	<input type="checkbox"/> PHYS ED <i>(16 Cr)</i>
<i>Junior Year – First Semester</i>	<i>Junior Year – Second Semester</i>
<input type="checkbox"/> SOC SCI (3) <i>elective</i> or	<input type="checkbox"/> SOC SCI (3) <i>elective</i> or
<input type="checkbox"/> PHI Elective (3)	<input type="checkbox"/> PHI Elective (3)
<input type="checkbox"/> PHI ELECTIVE (3) (PHIL209 suggested) or	<input type="checkbox"/> CIS 231: The Basics of Networking (3) or
<input type="checkbox"/> CIS 224: Database (3)	<input type="checkbox"/> ENG LIT (100 LEVEL) English Literature (3)
<input type="checkbox"/> CIS 335: Technology and Ethical Issues (3) or	<input type="checkbox"/> CIS 326: Data Structures (3) or
<input type="checkbox"/> MATH 409: Directed Readings (3)	<input type="checkbox"/> CIS 331: Software Project Management (3)
<input type="checkbox"/> CIS 325: Systems Analysis & Design (3) or	<input type="checkbox"/> CIS 404: Human Computer Interaction (3) or <input type="checkbox"/>
<input type="checkbox"/> ELECTIVE (3)	ELECTIVE (3)
<input type="checkbox"/> ELECTIVE (3) (MATH 408 suggested)	<input type="checkbox"/> MATH 310: Modern Algebra (3) or
<input type="checkbox"/> ELECTIVE (3) (CIS401 or 405 Internship suggested) <i>(18 cr)</i>	<input type="checkbox"/> ELECTIVE (3) (MATH 408 suggested)
	<input type="checkbox"/> ELECTIVE (3) (CIS401 or 405 Internship suggested) <i>(18 cr)</i>
<i>Senior Year – First Semester</i>	<i>Senior Year – Second Semester</i>
<input type="checkbox"/> SOC SCI ELECTIVE (3)	<input type="checkbox"/> CIS 326: Data Structures (3) or
<input type="checkbox"/> CIS 325: Systems Analysis & Design (3) or	<input type="checkbox"/> CIS 331: Software Project Management (3)
<input type="checkbox"/> ELECTIVE (3)	<input type="checkbox"/> MATH 310: Modern Algebra (3) or
<input type="checkbox"/> CIS 335: Technology and Ethical Issues (3) or	<input type="checkbox"/> ELECTIVE (3)
<input type="checkbox"/> MATH 409: Directed Readings (3) <i>(12 cr)</i>	<input type="checkbox"/> CIS 410: Senior Seminar (3)
<input type="checkbox"/> CROSS CULTURAL REQUIREMENT	<input type="checkbox"/> CIS 404: Human Computer Interaction (3) or
	<input type="checkbox"/> ELECTIVE (3)
	<input type="checkbox"/> DEPT ELECTIVE (3): <i>See list below</i> <i>(15 cr)</i>

Dept Electives: MATH 305,307,308,350,408, CIS 214, 215, 230, 317, 327, 328, 330, 401, 403, 405, 406