

IMMACULATA UNIVERSITY

CURRICULUM FOR ASSOCIATE OF SCIENCE DEGREE IN INFORMATION TECHNOLOGY

Liberal Arts Core (27 credits)

Theology (6 credits)

Philosophy (3 credits)

English Composition (6 credits)

Humanities (3 credits)

COM 250 – Public Speaking

Social Sciences (3 credits)

Natural Science/Math/Computer Science/Physics
(6 credits)

PHY 208 – Science of Communication

Electives (6 credits.)

Concentration (21 credits)

MAT 216 –Discrete Mathematics

MAT 203 – Intermediate College Mathematics
- or -

MAT 207 – Introductory Analysis
- or -

MAT 301 – Calculus I

CIS 105 – 3D Computing

CIS 202 – Computer Literacy II

CIS 214 – Multimedia: Concepts and Designs

CIS 230 – Web Design

CIS 231 – Basics of Networking

Nine (9) hours chosen from:

CIS 218 – Software Design & Programming

CIS 224 – Database (3)

CIS 325 – Systems Analysis & Design (3)

CIS 327 – Advanced Design & Programming (3)

CIS 328 – Artificial Intelligence (3)

CIS 330 – Advanced Topics in Robotics (3)

CIS 331 – Software Project Management (3)

CIS 335 – Technology & Ethical Issues (3)

CIS 403 – Object-Oriented Concepts (3)

CIS 404 – Human Computer Interaction (3)

CIS 406 – Software Quality Testing (3)

One high level programming language (3)

***College of Undergraduate Studies Students
have a PED requirement (2 cr)***

Total number of semester hours: 63