ST. MARY'S UNIVERSITY
BACHELOR OF SCIENCE IN
SOFTWARE ENGINEERING & COMPUTER APPLICATIONS - HONORS PROGRAM

Name:_____ Phone ( )_____
(Last) *(First)*
Address:_____ Date of Entrance_____

FIRST YEAR COURSES

Fall	Hrs	Spring	Hrs
EN1311 Rhetoric & Comp.	3	HO 1302 Social Science	3
MT2412 Univariate Calculus I	4	MT2413 Univariate Calculus II	4
EG1301 Engineering Graphics	3	CS1411 Programming II	4
EG1304 Engineering Programming	3	EG1305 OOP and Design	3
HO 1301 Philosophy I	3	SE 1341 Fund of Oral Communication	3

SECOND YEAR COURSES

HO 2301 Social Science	3	CS 2320 Operating Systems	3
MT3311 Differential Equations	3	HO 2302 Philosophy II	3
PY1404 Mechanics & Heat	4	PY2404 Electricity & Magnetism	4
TH2301 Theological Foundations	3	FA1101, 1102, 1103 Introduction to Fine Arts	3
CS2315 Algorithms	3	Elective	3

THIRD YEAR COURSES

EG 3392 Java & Applications	3	EN23XX Literature II	3
MT 4331 Probability & Statistics I	3	CS3340 Software Engineering (formerly CS 3313)	3
EG2307 Engineering Mechanics	3	PO 2300 High Technology & Society	3
CS4350Computer Sys Arch	3	HO 3302 Theology	3
HO 3301 Literature I	3	EG 3392 OOP and Design	3
EG Elective**	3	CS Elective I	3

FOURTH YEAR COURSES

EG3345 Circuits & Systems I	3	EG3145W Circuits & Systems Lab	1
HO 4301 Philosophy III	3	EG 3334 Engineering Economy	3
EG4337 Computer Simulations	3	EG4332 CAM & Robotics	3
EG3363 Microprocessors I	3	CS Elective II*	3
EG4395W Senior Design Project I	3	Foreign Language II	3
Foreign Language	3	EG4396 Senior Design Project II	3

Total Credit Hours: 135

*CS Electives - 6 hours from:
CS 2323 Object Oriented Programming II
CS 3311 Compilers
CS 3335 Survey of Programming Languages
CS 4320 Files & Data Base
CS 4330 Data Communication
CS 4375 Advanced Software Engineering

**EG Electives 3 hours from:
EG 2341 Logic Design
EG 3322 Industrial Statistics
EG 3335 Operations Research I
EG 3336 Operations Research II
EG 3364 Microprocessors II
EG 4330 Quality Control & Reliability

Minor: *Students in this program can achieve a minor in Industrial Engineering by taking the following additional 16 semester hours (and EG 4330 as EG Elective):*

EG 2322 Work Design & Measurement	3	EG 3335 Operations Research I	3
EG 3336 Operations Research II	3	EG 4132 CAM & Robotics Lab	1
EG 4330 Quality Control & Reliability	3	EG 4331 Manufacturing Processes (formerly EG4328)	3

Students interested in the minor, explained above, can take 18 semester hours of various non-technical and core courses during summer and complete their program within the intended 4 years without additional delay.

(Note: All students must meet Basic Information Proficiency through testing or taking CS 1101, 1102, 1103)

09/2004