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

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

FIRST YEAR COURSES

Fall	Hrs	Spring	Hrs
EN1311 Rhetoric & Comp.	3	PY 2404 Electricity & Magnetism	4
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
PY 1404 Mechanics & Heat	4	PL 1310 Experience to Meaning	3

SECOND YEAR COURSES

EN2355 Amer. Literature	3	CS 2320 Operating Systems	3
MT3311 Differential Equations	3	SE1341 Fundamentals of Oral Communication	3
Foreign Language	3	Foreign Language	3
TH2301 Theological Foundations	3	FA1101, 1102, 1103 Introduction to Fine Arts	3
CS2315 Algorithms	3	PL2336 Foundational Ethics for Engineers	3
EG 2307 Engineering Mechanics	3	EG 2325 Automation & Control	3

THIRD YEAR COURSES

EG 3322 Industrial Statistics	3	EN23xx Literature II	3
EG 3392 Java & Applications	3	CS3340 Software Engineering (formerly CS 3313)	3
EG 3345 Circuits & Systems I	3	EG 3145 Circuits & Systems Lab	1
CS4350ComputerSys Arch (formerly CS 4300)	3	PO 2300 High Technology & Society	3
Social Science I	3	EG 4337 Computer Simulation	3
EG Elective**	3	EG 3334 Engineering Economy	3

FOURTH YEAR COURSES

PL XX Advanced Philosophy	3	Elective	3
CS Elective I*	3	EG 4396 Senior Design Project I	3
Social Science II	3	EG 4332 CAM & Robotics	3
EG3363 Microprocessors I	3	CS Elective II*	3
EG4395W Senior Design Project I	3	THxx Theology II	3

Total Credit Hours: 135

*CS Electives - 6 hours from:
CS 2323 Object Oriented Programming II
CS 3311W Compilers
CS 3335W Survey of Programming Lang *(formerly CS 3314)*
CS 4320W Files & Data Base *(formerly CS 4313*
CS 4330W Data Communication *(formerly CS 4312)*
CS 4375W Advanced Software Engineering *(formerly CS 4320)*

**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	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.

9/2004