ST. MARY'S UNIVERSITY - DEPARTMENT OF ENGINEERING
BACHELOR OF SCIENCE IN
COMPUTER ENGINEERING - *HONORS PROGRAM*

Name_____ Phone ( )_____
(Last) *(First)*

Address_____ Date of Entrance_____

FIRST YEAR COURSES

Fall	Hrs	Spring	Hrs
EG 1101 Intro to EE/CE	1	EG 1101 Intro EE/CE	1
HO 1301 Philosophy I	3	HO 1302 Social Science	3
MT2412 Univariate Cal. I	4	MT2413 Univariate Cal. II	4
PY 1404 Mechanics & Heat	4	CS1411 Data Structures	4
EG1301 Engineering Graphics	3	PY2404 Elec. & Magnet.	4
EG1302 Programming for Engineers	3	EN 1311 Rhetoric & Composition	3

SECOND YEAR COURSES

HO 2301 Social Science	3	HO 2302 Philosophy II	3
MT3311 Differential Equations	3	EN 2355 American Literature	3
TH 2301 Theology Foundations	3	FA 1101, 1102, 1103 Fine Arts	3
EG2141W Logic Design Lab	1	EG2152W Circuit Laboratory	1
EG2307 Engineering Mechanics.	3	EG2181W Digital Systems Design Lab.	1
EG2341 Fundamentals of Logic Design	3	EG2353 Circuit Analysis II	3
EG2352 Circuit Analysis I	3	EG2382 Digital Systems Design	3

THIRD YEAR COURSES

Foreign Language I	3	Foreign Language II	3
CS 2315 Algorithms	3	CS 2320 Operating Systems	3
HO 3301 Literature	3	HO 3302 Theology	3
EG3156W Electronics I Lab	1	EG3157W Electronics II Lab	1
EG3356 Electronics I	3	EG3357 Electronics II	3
EG3363 Microprocessors I	3	EG 3364 Microprocessors II	3

FOURTH YEAR COURSES

CS 4350 Computer Systems Arch	3	CE Elective	3
MT4331 Probability & Statistics	3	CS 3340 Software Engineering	3
HO 4301 Philosophy III	3	EG3334 Engineering. Economy	3
EG4362W Senior Design Project I	3	EG4363W Senior Design Project II **(HO 4302)**	3
CS Elective	3	SE 1341 Fundamentals of Oral Communication	3
Social Science III	3		

CS Electives - 3 hours from:
CS 3311 Compilers
CS 3335 Survey of Programming Languages
CS 4325 Computer Graphics
CS 4330 Data Communication
CS 4320 Files & Databases

CE Electives - 3 hours from:
EG 2390 Artificial Intelligence
EG 3372 Signals & Systems
EG 3391 Neural Networks
EG 4369 Control Systems
EG 4330 Quality Control
EG 4337 Computer Simulation

Total Semester Hours: 138 – 9/2004

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