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

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

Address_____ Date of Entrance_____

FIRST YEAR COURSES

Fall	Hrs	Spring	Hrs
EG 1101 Intro to Computer/Elect Engr I	1	EG 1102 Into to Computer/Elect Engr II	1
EN1311 Rhetoric & Comp	3	SE1341 Fund. of Oral Communication	3
MT2412 Univariate Cal. I	4	MT2413 Univariate Cal. II	4
PY 1404 Mechanics & Heat	4	CS1411 Programming II/Data Structures	4
EG1301 Engineering Graphics	3	PY2404 Elec. & Magnet.	4
EG1302 Programming for Engineers	3	PL1310 Experience to Meaning	3

SECOND YEAR COURSES

FA 1101 Fine Arts (Art)	1	EN 2355 American Lit I	3
MT3311 Differential Equations	3	CS 2320 Operating Systems	3
CS2315 Algorithms	3	PL 2336 Foundational Ethics for Engineers	3
EG2141W Logic Design Lab	1	EG2152W Circuit Analysis Laboratory W	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
CS4350 Systems Arch (formerly CS 4300)	3	FA 1103 Fine Arts (Music).	1
PO 2300 High Technology & Society	3	EN 23xx Literature II	3
FA 1102 Fine Arts (Drama)	1	CS 3340 Software Engr (formerly CS 3313)	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

Social Science I	3	Th33xx Christian Theology	3
MT4331 Probability & Statistics	3	EG3334 Engineering. Economy	3
PL 33xx Philosophy III	3	EG4363W Senior Design Project II	3
EG4362W Senior Design Project I	3	Social Science II	3
CS Elective*	3	CE Elective **	3
TH 2301 Theological Foundations	3		

CS Electives - 3 hours from: *
CS 3311 Compilers
CS 3335 Survey of Prog Lang (formerly CS 3314)
CS 4325 Computer Graphics (formerly CS 4311)
CS 4330 Data Communication (formerly CS 4312)
CS 4320 Files & Databases (formerly CS 4313)

CE Electives - 3 hours from: **
EG 2325 Industrial Automation and Control
EG 2390 Artificial Intelligence
EG 3372 Signals & Systems
EG 3391 Neural Networks
EG 4330 Quality Control
EG 4337 Computer Simulation
EG 4369 Control Systems

Total Semester Hours: 138 - 9/2004

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