

COMPUTER ENGINEERING

B.S.E.

NAME _____

I.D.# _____

Expected Grad Date _____

Degree _____

General Education Requirements

has needs

- 3 THEO 101 Christian Formation
- 3 BLIT 202 Christian Scriptures I
- 3 BLIT 303 Christian Scriptures II
- 3 THEO 404 Christian Faith
- 3-4 ENGL 108 or 109 College Writing I
- 3 COMM 105 Fundamentals of Communication
- 3 FINA 101 Intro to Fine Arts
- 3 HIST 200 Western Civilization
- 3 LIT 205 Studies in Literature
- 3 Select from: ECON 110, PSCI 101, PSCI 223,
PSYC 101, SOCY 120
- 3-8 Elementary I, II Foreign Language or
approved International Culture courses
- 3-4 BIOL 201 General Biological Science **OR**
BIOL 125 Biology I _____
- 3 PHED 126 Nutrition or PHED 190 Wellness

Major: 53 hours

has needs

- 4 CSIS 251 Principles of Programming I
- 3 CSIS 252 Principles of Programming II
- 4 CSIS 326 Network Administration and Theory
- 4 CSIS 366 Computer Organization and Design
- 3 CSIS 381 Systems Programming
- 3 CSIS 457 Software Engineering
- 3 CSIS 453 Design Patterns or approved 400-level
CSIS course _____
- 3 ENGN 101 Engineering Design I
- 3 ENGN 102 Engineering Design II
- 3 ENGN 270 Digital Systems
- 3 ENGN 300 Electric Circuit Analysis
- 3 ENGN 310 Circuits and Signal Processing
- 3 ENGN 335 Technical Comm. & Exper. Design
- 3 ENGN 340 Digital Electronics
- 2 ENGN 481 Senior Design Project I
- 2 ENGN 482 Senior Design Project II

Plus 4 hours selected from:

- 4 ENGN 311 Communication Systems
- 4 ENGN 346 Analog Electronics

Required Supporting Courses:

- 4 MATH 147 Calculus I
- 4 MATH 148 Calculus II
- 4 MATH 241 Statistics
- 4 MATH 261 Calculus III
- 3 MATH 357 Differential Equations
- 5 PHYS 201 General Physics I
- 5 PHYS 202 General Physics II

Plus

- 3 MATH 311 Discrete Mathematics **OR**
- 6 MATH 351 Linear Algebra **AND**
MATH 354 Numerical Analysis

Recommended Supporting Courses:

- 3 ENGN 250 Engineering Economics
- 4 CSIS 245 Database and Information Systems