Computer Engineering

Year 1

ENG 009 (3/0) Remedial English

ENG 101 (3) English I

ENG 102 (3) English II

MTH 201 (3) Calculus III — Prereq: MTH 102

PHY 201 (3) Electricity & Magnetism

MTH 207 (3) Discrete Structures 1

COE 201 (1) Computer Proficiency

ENG 202 (3) Advanced Academic English

GNE 212 (3) Engineering Mechanics

MTH 206 (3) Calculus IV

MTH 304 (3) Differential Equations

COE 211 (4) Computer Programming

LAS Elective (3)

LAS Elective (3)

COM 203 (3) Art of Public Communication

Free Elective (3)

LAS Elective (3)

Year 2

GNE 331 (3) Probability & Statistics

ELE 300/303 (3/1) Electric Circuits / Lab

COE 321 (3) Logic Design

COE 312 (3) Data Structures

LAS Elective (3)

ELE 430 (3) Signals & Systems

ELE 401/402 (3/1) Electronics I / Lab

COE 322 (1) Logic Design Lab

COE 323 (3) Microprocessors

COE 415 (3) Computer Programming II

COE 313 (1) Data Structures Lab

GNE 301 (2) Professional Communication

GNE 303 (2) Engineering Ethics

INE 320 (3) Engineering Economy I

Year 3

ELE 537 (3) Communication Systems

COE 324 (1) Microprocessors Lab

COE 423 (3) Computer Architecture

COE 418 (3) Database Systems

COE 415B (1) Computer Programming II Lab

3rd Year — COE 493 (3) Professionalism

3rd Year — COE Technical Elective (3)

ELE 540 (1) Communication Systems Lab

3rd Year — COE 424 (3) Digital Systems

3rd Year — COE 416 (3) Software Engineering

COE Technical Elective (3)

COE Technical Elective (3)

COE Technical Elective (3)

Year 4

COE 498 (6) Professional Experience

ELE 442/443 (3/1) Control Systems / Lab

4th Year — COE 593 (3) COE Application

COE 425 (1) Digital Systems Lab

COE 521 (3) Embedded Systems

COE 414 (3) Operating Systems

5th Year — COE 595 (3) Capstone Design Project I

4th Year — COE 431 (3) Computer Networks

GNE --- (3) SOE Signature Course

COE 596 (3) Capstone Design Project II

ECE Technical Elective (3)

ECE Technical Elective (3)

Legend

Code (credits) Course Name		
Freshman English	Liberal Arts & Sciences Elec.	General Engineering
Liberal Arts & Sciences Core	Mathematics & Science	Major Course