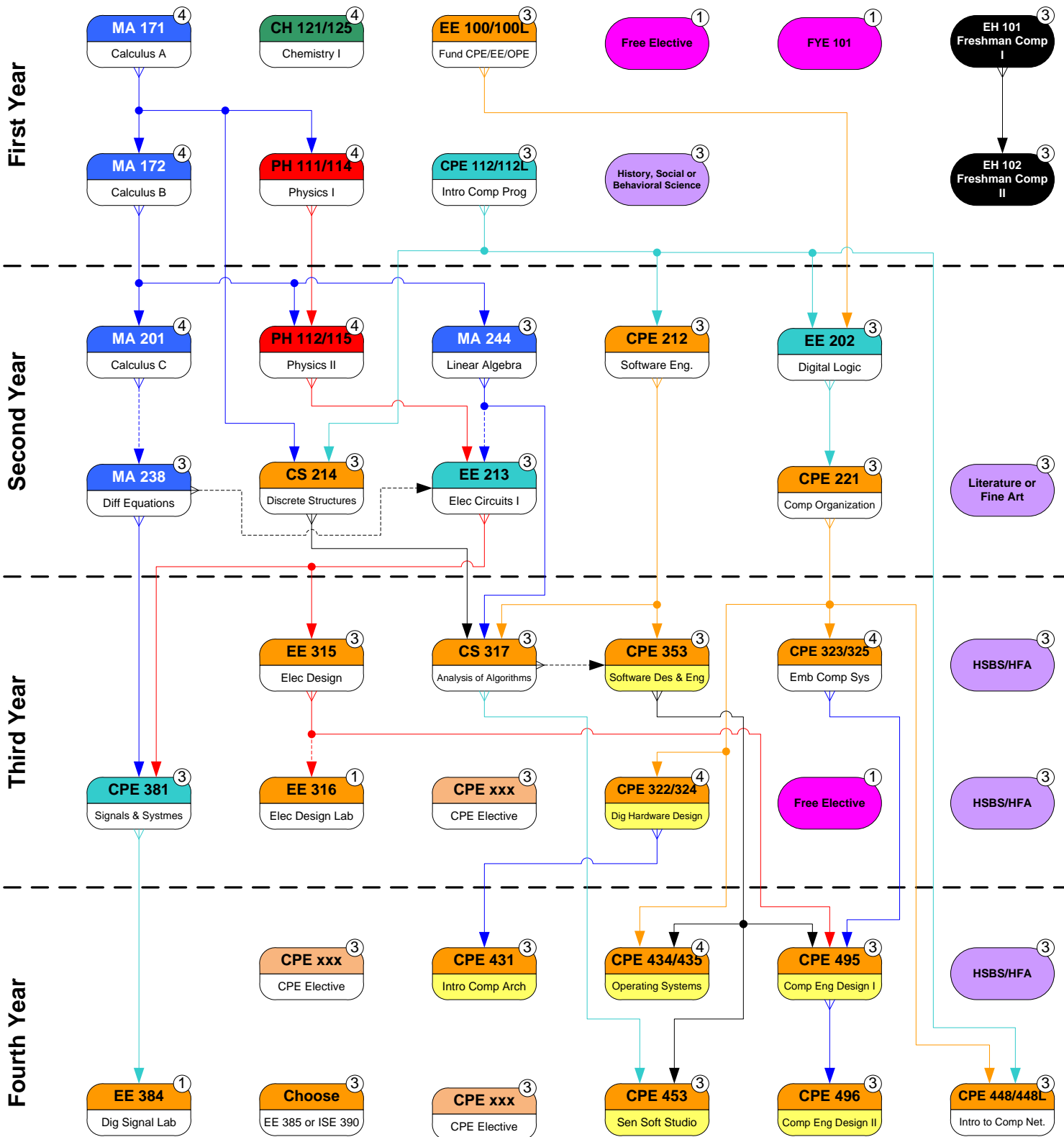


| Student A# | | | | Student Name (Last, First MI) | | | Offered: F=Fall S=Spring M=Summer |
|---|--------------------------------|------------------|-----------|--|---|--|--|
| Semester, Transfer or AP | Grade | Course Number | Cr Hrs | Course Title | Prerequisites, Corequisites and/or Prerequisites with Concurrency | | |
| English - 6 hours | | | | | | | |
| | | EH 101 | 3 | Freshman Composition I | Placement | | FSM |
| | | EH 102 | 3 | Freshman Composition II | EH 101 | | FSM |
| Mathematics - 18 hours | | | | | | | |
| | | MA 171 | 4 | Calculus A | MA 113 or MA 115 or Level III Placement | | FSM |
| | | MA 172 | 4 | Calculus B | MA 171 | | FSM |
| | | MA 201 | 4 | Calculus C | MA 172 | | FSM |
| | | MA 238 | 3 | Applied Differential Equations | Prereq w/Con: MA 201 | | FSM |
| | | MA 244 | 3 | Introduction to Linear Algebra | MA 172 | | FSM |
| Chemistry - 4 hours | | | | | | | |
| | | CH 121 | 3 | General Chemistry I | Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125 | | FSM |
| | | CH 125 | 1 | General Chemistry Lab I | Coreq: CH 121 | | FSM |
| Physics - 8 hours | | | | | | | |
| | | PH 111 | 3 | General Physics w/Calculus I | MA 171 | | FSM |
| | | PH 114 | 1 | General Physics Lab I | Prereq w/Con: PH 111 | | FSM |
| | | PH 112 | 3 | General Physics w/Calculus II | MA 172, PH 111 | | FSM |
| | | PH 115 | 1 | General Physics Lab II | Prereq w/Con: PH 112 | | FSM |
| History, Social & Behavioral Sciences, Humanities & Fine Arts - 15 hours | | | | | | | |
| | | | 3 | HSBS | Choose 3 hours: History, Social or Behavior Science | | FSM |
| | | | 3 | HFA | Choose 3 hours: Literature or Fine Art | | FSM |
| | | | 3 | | Choose 3 hour courses of HSBS/HFA that you have met prerequisites, from ARH, ARS*, CM, EH, ECN*, FL, GS, GY, HY, MU, PHL, PSC, PY, SOC, WS | | |
| | | | 3 | | | | |
| | | | 3 | | | | |
| General Education Electives - 3 hours | | | | | | | |
| | | | | | Choose up to 3 hours of electives (Ex. FYE 101): Any courses that you have met prerequisites, and are not remedial coursework for Engineering curriculum. | | |
| | | | | | | | |
| | | | | | | | |
| ** | Class has required lab section | | | Engineering Core - 12 hours | | | |
| ** | | CPE 112 | 3 | Intro to Computer Programming in Engineering | MA 113, MA 115 or Level III Placement, Coreq: CPE 112L | | FSM |
| | | EE 202 | 3 | Intro to Digital Logic Design | CPE 112, EE 100 | | FSM |
| | | EE 213 | 3 | Electrical Circuit Analysis I | PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) | | FSM |
| | | CPE 381 | 3 | Fundamentals of Signals & Sys for Comp Engrs | EE 213, MA 238 | | FS |
| Computer Science - 6 hours | | | | | | | |
| | | CS 214 | 3 | Intro to Discrete Structures | CPE 112, MA 171 | | FSM |
| | | CS 317 | 3 | Design & Analysis of Algorithms | CS 214, CPE 212, MA 244 | | FSM |
| ** | Class has required lab section | | | Computer Engineering Option - 47 hours | | | |
| ** | | EE 100 | 3 | Fund of Computer, Electrical & Optical Eng | Prereq w/Con: MA 112, Coreq: EE 100L | | FSM |
| | | CPE 212 | 3 | Fundamentals of Software Engineering | CPE 112 | | FS |
| | | CPE 221 | 3 | Computer Organization | EE 202 | | FSM |
| | | CPE 322 | 3 | Digital Hardware Design Fundamentals | CPE 221, Coreq: CPE 324 | | S |
| | | CPE 324 | 1 | Digital Hardware Design Lab | Coreq: CPE 322 | | S |
| | | EE 315 | 3 | Introduction to Electronic Analysis and Design | EE 213 | | FSM |
| | | EE 316 | 1 | Electronic Measurements & Devices Design Lab | Prereq w/Con: EE 315 | | FS |
| | | CPE 323 | 3 | Intro to Embedded Computer Systems | CPE 221, Coreq: CPE 325 | | FS |
| | | CPE 325 | 1 | Lab Component of Intro of CE 323 | Coreq: CPE 323 | | FS |
| | | CPE 353 | 3 | Software Design & Engineering | CPE 212, Prereq w/Con: CS 317 | | F |
| | | EE 384 | 1 | Digital Signal Processing Laboratory | CPE 381 or Prereq w/Con: EE 383 | | FS |
| Select One | | EE 385 | 3 | Random Signals and Noise | CPE 381 or EE 382 | | FSM |
| | | ISE 390 | 3 | Probability & Engineering Statistics I | Prereq w/Con: MA 201 | | FSM |
| | | CPE 431 | 3 | Intro to Computer Architecture | CPE 322, CPE 324 | | F |
| | | CPE 434 | 3 | Operating Systems | CPE/EE 221, CPE 353, Coreq: CPE 435 | | F |
| | | CPE 435 | 1 | Operating Systems Lab | Coreq: CPE 434 | | F |
| | | CPE 448 | 3 | Introduction to Computer Networks | CPE 112, CPE 221 | | FS |
| | | CPE 453 | 3 | Senior Software Studio | CS 317, CPE 353 | | S |
| | | CPE 495 | 3 | Computer Engineering Design I | CPE 323, CPE 353, EE 315 | | F |
| | | CPE 496 | 3 | Computer Engineering Design II | CPE 495 | | S |
| Computer Engineering Electives - 9 hours | | | | | | | |
| | | | 3 | | | | |
| | | | 3 | | 300 - level or above approved by advisor. | | |
| | | | 3 | | | | |

All prerequisite classes must be completed with a "C" or higher grade.
The Catalog is the final authority for all degree requirements.
Updated: 7/11/2013

Computer Engineering Program 2013/2014 (128 Hours)



| | | |
|---------------|---|----------------------------|
| Legend | Freshman Comp | Free Electives |
| | Mathematics | Engineering Core |
| | Chemistry | Computer Eng Option |
| | Physics | Offered that Semester Only |
| | History, Social, Behavior Science/Humanity & Fine Art | Electives |
| | Prerequisite | Prereq w/concurrency |



| | | |
|-----------------------|-----------------|--------|
| Department | Prepared by | Date |
| Electrical & Computer | Jacob Kerstiens | 8/8/13 |
| Program | Approved by | Date |
| Computer Engineering | | |