Computer Engineering (CPE)
2018-2019 (128 Total Hours)

Freshman Year
First Semester
17 hours
- Humanities Elective*
- CH 1213 Fundamentals of Chemistry I
- CSE 1284 Introduction to Computer Programming
- MA 1313 College Algebra
  OR
  ACT MATH sub-score > 24

Second Semester
18 hours
- CO 1003 Public Speaking
  OR
  CO 1013 Intro. to Communication
- MA 1323 Trigonometry
  OR
  ACT MATH sub-score > 26
- MA 1713 Calculus I
- PH 2213 Physics I
  (non-credit lab)
- EN 0103 Basic English
  OR
  ACT ENGLISH sub-score > 19
- EN 1103 English Composition I
- EN 1113 English Composition II
- ECE 1002 Introduction to ECE
- CSE 1384 Intermediate Computer Programming
- CSE 2383 Data Structures & Analysis of Algorithms

Sophomore Year
First Semester
16 hours
- MA 1723 Calculus II
- PH 2223 Physics II
- ECE 3714 Digital Devices & Logic Design
  Offered: SU
- ECE 3724 Microprocessors
  Offered: SU
- ECE 3725 CEE 3725 Offered: SU

Second Semester
16 hours
- MA 2733 Calculus III
- MA 2743 Calculus IV
- PH 2223 Physics II
- (non-credit lab)
- ECE 3413 Introduction to Electronic Circuits
  Offered: SU
- ECE 3424 Intermediate Electronic Circuits
  Offered: SU
- ECE 3434 ECE 3434 Offered: SU
- ECE 3443 Signals & Sys
- MA 3113 Linear Algebra

Junior Year
First Semester
16 hours
- Humanities Elective*
- Social Science Elective*
- CSE 4733 Operating Systems
- CSE 4833 Data Comm. &
  Computer Networks
- ECE 4532 CPE Design I
- ECE 4542 CPE Design II
- ECE 4723 ECE 4723 (with non-credit lab)

Second Semester
17 hours
- Social Science Elective*
- CPE Technical +
  Elective*
- CSE 4713 Computer Architecture

Senior Year
First Semester
14 hours
- Fine Arts Elective*
- CSE 4532 CPE Design I

Second Semester
14 hours
- CSE 4542 CPE Design II

FLOWCHART LEGEND
- Prerequisite (credit required with min. grade shown)
- Corequisite (credit in or registration for course is required)
- Either/Or (credit required for one of these two courses)

* See website (www.ece.msstate.edu/academics/undergraduate_program.html) for selection
+ Grade of "C" or better required for prerequisites to selected EE Technical Electives
C Grade of "C" or better required

For the latest version, go to: http://www.ece.msstate.edu/academics/undergradprog/cpe/

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