Dear (Prospective) Computer Science Majors and Minors,

The CS Department is in the process of improving the curriculum to enhance learning and integrate new topics. With these changes comes changes to the courses that you will take both in the fall semester, and to fulfill your degree. This change affects students who enrolled in CS 201 in Fall 2015 or later, students who took CS202 in Spring 2016, and students who took CS201 in a prior year but have not yet taken CS202.

The old three course sequence CS202, CS301, CS302 is being replaced by the following three courses:

- CS212 – Object Oriented Data Structures
- CS312 – Object Oriented Software Design
- CS366 – Computer Systems

If you are currently in CS201, or have only taken CS courses, you should take CS212 in the fall. You should also consider taking CS295 (MA395 if you are a math major). That way you will be ready to continue with CS courses in the Spring.

If you are currently in CS202 and plan to continue in CS, you should take CS312 and perhaps CS295 in the fall if you want to go beyond the programming certificate. You may also take CS371 if you like. Note that starting next year, CS371 will move to the spring and will be offered in both semesters next year.

If you took CS202 in a previous semester, this letter does not effect you. If you plan to continue in CS, you should take CS301 and CS295 in the fall. You may also take CS371. You may then go on to take CS302 in the Spring. Note that the Fall 2016 is the final offering of CS301.

Finally, some pre- and co-requisites are changing. In particular, CS312 will not have CS295 as a co-requisite. Instead, both CS366 and CS371 will require CS202/CS212 and CS295/MA395 as prerequisites.

The following page has a full description of the BS and BA majors, the minor, and the certificate. We ask that you sign and return to your instructor the final page to acknowledge that you are aware of these changes. This is the only place for this information. Neither the catalog or your degree audit have these changes on it yet.

We are very excited to offer you a strong and technically deep computer science degree and seek to ensure that the knowledge you will gain will serve you well in your future endeavors.

Sincerely,

Dr. Dawn J. Lawrie
Professor and Chair

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Computer Science, B.S.:
- CS 201 – Computer Science I
- CS 212 – Object Oriented Data Structures
- CS 295 – Discrete Structures or MA295/MA395
- CS 312 – Object Oriented Software Design
- CS 366 - Introduction to Computer Systems
- CS 371 – Computer Engineering I
- CS 451 – Programming Languages
- CS 462 – Algorithm Analysis
- CS 466 – Operating Systems
- CS 482 – Software Engineering
- CS 496 – Computer Science Project I
- CS elective * 3
- MA251, MA252, MA 301, ST 210
- 13 credits of major level natural science: PH 201 & PH 291 and a two-semester major –level sequence

Computer Science, B.A.:
- CS 201 – Computer Science I
- CS 212 – Object Oriented Data Structures
- CS 295 – Discrete Structures or MA295/MA395
- CS 312 – Object Oriented Software Design
- CS 366 - Introduction to Computer Systems
- CS 371 – Computer Engineering I
- CS 482 – Software Engineering
- CS 496 – Computer Science Project I
- CS elective * 5
- MA251, MA252, and (MA 301 or ST 210)
- Science Elective w/Lab and Science Elective

Computer Science Minor:
- CS 201 – Computer Science I
- CS 212 – Object Oriented Data Structures
- CS 295 – Discrete Structures or MA295*
- CS 312 – Object Oriented Software Design
- CS 300- or CS 400-Level Elective**
- CS 400-Level Elective

* Mathematics and statistics majors minoring in computer science must take CS 371 (as opposed to CS 295)
** Engineering majors may not count CS 471 or EG 478 (the two cross-listed courses) as CS electives.

Computer Programming Department Certificate:
- CS 201 – Computer Science I
- CS 212 – Object Oriented Data Structures
- CS 312 – Object Oriented Software Design
Please sign the below and return this sheet to your instructor.

I understand that the courses referred to in this letter are the courses I should take to earn a computer science major, minor, or certificate.

_______________________________  _______________________
Signature                      Date