

REPORT: COMMITTEE ON CURRICULA AND COURSES
(For consideration by the Faculty Senate at its October 1, 2014 meeting.)

Per the USC Policies and Procedures Manual - Academic Affairs section ACAF 2.00 and 2.03 Appendices, any department which has a proposal being recommended by the Committee on Curricula and Courses must have a representative in attendance at the Faculty Senate meeting in which said proposal is to be recommended.

Please contact Interim Chair Brian Habing (Statistics) in advance of Faculty Senate meeting if errors are noted, either by phone: 777-3578 or e-mail: habing@stat.sc.edu or

1. COLLEGE OF ARTS AND SCIENCES

A. Department of Biological Sciences

New course (Effective: Spring 2015)

BIOL 650 Biochemical Evolution. (3) Advanced study of related aspects of biological evolution. Rise of life from physical and chemical precursors, biochemical basis of adaptation to ecological pressures, and biochemical aspects of the origins and maintenance of biodiversity. Prereq: BIOL 301, 302, 303

Change in prerequisites (Effective: 2015-2016 Bulletin)

From: BIOL 243 Human Anatomy and Physiology I. (3) Prereq: CHEM 102

To: BIOL 243 Human Anatomy and Physiology I. (3)

From: BIOL 243L Human Anatomy and Physiology I Laboratory. (1)

Prereq: BIOL 243

To: BIOL 243L Human Anatomy and Physiology I Laboratory. (1)

Prereq or Coreq: BIOL 243

Change in note/description (Effective: 2015-2016 Bulletin)

From: BIOL 415 Comparative Vertebrate Anatomy. (4)

Note: Three lecture and two two-hour laboratory periods per week.

To: BIOL 415 Comparative Vertebrate Anatomy. (4)

Note: Three lecture hours and one, three-hour laboratory period per week.

C. Department of Chemistry & Biochemistry

Core designation (Effective: 2014-2015 Bulletin)

CHEM 102 Fundamental Chemistry II. (4)

Carolina Core SCI

D Environment and Sustainability Program

Change in description and core designation (Effective: 2014-2015 Bulletin)

From: ENVR 200 Natural History of South Carolina. (4) Course provides a general review of plants, animals and geological features of South Carolina, with an emphasis on connections to the natural world.

To: ENVR 200 General review of plants, animals, and geological features of South

Carolina, with an emphasis on connections to the natural world.
Carolina Core SCI

2. COLLEGE OF ENGINEERING AND COMPUTING

A. Department of Computer Science and Engineering

New course (Effective: 2015-2016 Bulletin)

CSCE 587 Big Data Analytics. (3) Foundational techniques and tools required for data science and big data analytics. Concepts, principles, and techniques applicable to any technology and industry for establishing a baseline that can be enhanced by future study.
Prereq: STAT 509, 513, or 515

B. Department of Electrical Engineering

Deletion of the electrical engineering degree concentrations from official university and Commission on Higher Education records in:

(Effective: Spring 2015)

- Physical Electronics
- Power Systems
- High Voltage Engineering
- Semi-Conductor Devices