UNIVERSITY OF RHODE ISLAND FACULTY SENATE

December 12, 2013

**Faculty Senate Curricular Affairs Committee
Five Hundred and Tenth Report**

At the November 25, 2013 meeting of the Curricular Affairs Committee and by electronic communication subsequently, the following matters were considered and are now presented to the Faculty Senate.

**SECTION I
Informational Matters**

COURSE CHANGES

1. **CSC 486 Topics in Network Forensics, delete**

2. **CSC 211, change of title**

   CSC 211 Object-Oriented Programming (4)
   Problem specification, solution design, and algorithm development. Object-oriented programming and program structure. Functions, selection, iteration, recursion, classes, arrays, and files. Required programs will solve numerical and nonnumerical problems. (Lec. 3, Lab. 2) Pre: prior experience with computers and programming and MTH 111 or equivalent. Intended for computer science and computer engineering majors.

3. **CSC 305, change of pre-requisites**

   CSC 305 Software Engineering (4)
   Programming environments and methodologies for the design, development, testing, and maintenance of large software systems. Student teams will develop a substantial software product from requirements to delivery using disciplined techniques. (Lec. 3, Project 3) Pre: CSC 212.

4. **CSC 320, change of pre-requisites**

   CSC 320 Social Issues in Computing (4)
   Discussion of the social and ethical issues created by the use of computers. The problems that computers solve and those that they produce. Ethics and responsibilities of the computer professional. (Lec. 4) Pre: CSC 211.

5. **CSC 340, change of pre-requisites**

   CSC 340 Applied Combinatorics (4)
   Combinatorial problem-solving for computer science. Set theory and logic, proofs by induction and contradiction, elementary probability; arrangements, selections, distributions,

binomials, inclusion-exclusion; recurrence relations and their solution; graph theory, trees, networks. (Lec. 4) Pre: CSC 212 and credit or concurrent enrollment in MTH 215, and student must be admitted to a degree-granting college. Student may not receive credit for this course and CSC 447.

SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

CURRICULUM CHANGES

1. **College of Arts & Sciences**
   Department of Computer Science and Statistics

   Create a new course code, CSF, for Digital Forensics and Cyber Security
   To allow students to distinguish Digital Forensics and Cyber Security courses from other Computer Science courses and to serve as a mechanism to define requirements and electives allowed in the minors and graduate certificates in Digital Forensics and Cyber Security, as well as in the BA and BS in Computer Science.

2. **College of Arts & Sciences**
   Department of Economics

   Change in the B.S. in Applied Economics
   Eliminate COM 100 Communication Fundamentals as a basic major requirement.

3. **College of Human Science and Services**
   Department of Kinesiology

   Add Youth Movement Science Track to the B.S in Kinesiology
   The Youth Movement Science track in Kinesiology will focus on training students and preparing professionals in the rising field of youth fitness on how to help children develop healthy habits. Students will follow the current Physical and Health Education Teacher Education (PHETE) Kinesiology track curriculum. The Youth Movement Science Program (YMSP) students are interested in working with children in a youth movement setting outside of schools e.g. YMCA or youth gym.

COURSE CHANGES

4. **HDF 301, Title, description, pre-requisites, listing of method of instruction**

   HDF 301 Early Childhood Curriculum I: Introduction to Curriculum
   Theoretical foundations and practical applications of early childhood curriculum as a framework including process, content, context, teaching and facilitating. Includes 3 hour weekly practicum in diverse early childhood classrooms. (Lec. 3, Practicum) Pre: Acceptance into the Early Childhood Education Teacher Certification Program OR permission from instructor and HDF 203.

5. **HDF 303, Title, description and method of instruction**

   HDF 303 Early Childhood Curriculum II: Math & Science
   In-depth examination of early childhood math and science curriculum and assessment for Preschool through Grade 2. Course includes 3 hour per week supervised teaching in a URI Child Development Center. (Lec. 3, Practicum) Pre: HDF 301, HDF 420 and acceptance into the Early Childhood Certification Program.

6. **HDF 305, Title, description and pre-requisites**

   HDF 305 Family Engagement in Early Childhood Settings
   Examination of the professional behaviors for establishing and maintaining positive, ongoing, effective reciprocal relationships with diverse families in various early childhood settings. (Lec. 3) Pre: Acceptance into the Early Childhood Education Teacher Certification Program or HDF 230 and either HDF 203 or HDF 306.

7. **HDF 420, Pre-requisites, description**

   HDF 420 Early Language and Literacy Development
   Theoretical foundations of language and literacy development from birth through age 5. Examines practical applications of multi-modal language and literacy in diverse populations, including dual language learners. (Lec. 3) Pre: Acceptance into the Early Childhood Education Teacher Certification program OR permission of instructor.

NEW COURSES

8. **CSF 102 Fundamentals for Cyber Security (4)**
   This course provides an overview of the technical background required to provide solutions to many cyber security problems. This background includes: binary/hex number systems, operating systems concepts, file systems, OSI model, network topologies and protocols, and wireless standards and implementations. (Online)

9. **CSC 106 The Joy of Programming (4)**
   The art of problem solving through computer programming. Students explore innovative and cutting edge applications that may include mobile apps, multimedia, computer games, puzzles, robotics, graphics and animation, social networking, physical computing (Lec. 3, Lab. 3).

10. **CSC 192 Introductory Topics in Computing (1-4)**
    Introductory topics of current interest in computing. This course may be repeated under different topics (Lec., Project) Pre: permission of instructor.

11. **CSC 292 Topics in Computing (1-4)**
    Topics of current interest in computing. This course may be repeated under different topics (Lec., Project) Pre: permission of instructor.

12. **CSC 392 Intermediate Topics in Computing (1-4)**
    Intermediate-level topics of current interest in computing. This course may be repeated under different topics (Lec., Project) Pre: permission of instructor.

13. **ITR 300 Career Planning: Concepts and Skills (1-3)** Identify personal strengths, interests, and professional values related to career exploration. Develop professional job and internship search skills. (Seminar) Pre: Sophomore Standing