

## PRESIDENT'S REPORT ON ACTIONS OF THE SENATES

### Establish a Concentration in Human-Centered Computing, Bachelor of Science in Computer Science, College of Engineering, Chicago

The Chicago Senate with the recommendation of the College of Engineering and its Department of Computer Science has approved the establishment of the concentration in Human-Centered Computing (HCC) within the Bachelor of Science in Computer Science.

Human-centered computing (HCC) is an emerging interdisciplinary academic field broadly concerned with computing and computational artifacts as they relate to the human condition. The HCC concentration emphasizes the knowledge and skills needed to begin a professional practice in areas such as user-interface design and development for desktop or mobile devices; computer graphics and animation for video games; movie special effects; and scientific, engineering, and medical visualization. There is unmet and increasing demand in the marketplace for students with skills in these areas.

### Establish the Undergraduate Minor in Public Health, College of Public Affairs and Administration, Springfield

The Springfield Senate has approved a proposal from the College of Public Affairs and Administration to establish a 15-credit hour undergraduate minor in Public Health.

The Public Health minor is designed to provide introductory awareness and preparation for dealing with critical, local, state, national, and global issues important to improving population health. The minor addresses three core functions of public health, assessment, policy development, and assurance and will provide students with an understanding of the principles of public health necessary to succeed in a fast growing field with demonstrated demand. The minor will serve all undergraduate students in all majors who have an interest in the formal study of public health.

Establish the Undergraduate Science of the Environment Concentration in the Bachelor of Science in Chemistry and in the Bachelor of Science in Biology, College of Liberal Arts and Sciences, Springfield

The Springfield Senate with the recommendation of the College of Liberal Arts and Sciences has approved the establishment of the Undergraduate Science of the Environment Concentration in the Bachelor of Science in Chemistry and in the Bachelor of Science in Biology.

The 19 to 20 hour cross-department interdisciplinary concentration, available to both chemistry and biology majors, focuses on practical, hands-on sampling techniques, analytical instrumentation, and statistical and modeling techniques that will aid students in environmental analysis and data interpretation. Coursework will allow students to gain a broad knowledge base that will enable them to interact with scientists outside their fields and give them the opportunity to take part in real-world, collaborative research projects or internships in laboratories or government agencies.