

PRESIDENT'S REPORT ON ACTIONS OF THE SENATES

Establish Concentrations in the Bachelor of Science in Liberal Arts and Sciences in Geography and Geographic Information Science, College of Liberal Arts and Sciences, Urbana

The Urbana-Champaign Senate has approved a proposal from the College of Liberal Arts and Sciences to establish the concentration in Geographic Information Science and the concentration in Physical Geography within the Bachelor of Science in Liberal Arts and Sciences in Geography and Geographic Information Science (BSLAS in GIS). The establishment of the BSLAS in GIS is sought in a companion action item. As detailed in that proposal as well as in the following report item, the College of Liberal Arts and Sciences is essentially moving the more STEM-oriented concentrations, the Geographic Information Science concentration, and the Physical Science concentration, from the Bachelor of Arts in Liberal Arts and Sciences in Geography and Geographic Information Science (BALAS in GIS) to the BSLAS in GIS. The more social science-oriented concentrations will remain available for the BALAS in GIS. As an inherently interdisciplinary field, geography includes both social and physical sciences. Organizing the concentrations available to majors so that the social sciences are clearly aligned with a BA program and the STEM sciences with a BS program reflects this interdisciplinary nature most appropriately.

Establish the Joint Bachelor of Science in Aerospace Engineering and Master of Science in Aerospace Engineering, College of Engineering and the Graduate College, Urbana

The Urbana-Champaign Senate has approved a proposal from the College of Engineering and the Graduate College to establish the joint Bachelor of Science in Aerospace Engineering and Master of Science in Aerospace Engineering (BS/MS in Aerospace). The proposed joint degree program will allow students to obtain both a BS and an MS in five years (two semesters beyond the BS). It is generally accepted in industry and in academe that a MS in aerospace engineering is highly desirable preparation for employment in today's competitive industrial environment. Core topics currently required in the undergraduate curriculum are necessary but not, in most cases, sufficient to meet industry's needs. An increasing number of companies are specifically seeking employees with a graduate degree. In addition, global competition is forcing an increased emphasis on innovation, interdisciplinary approaches to problem solving, communication skills, and teamwork. The proposed joint BS/MS in Aerospace will enable top undergraduate students to earn a master's degree expeditiously and to be prepared to meet industry needs.

Establish the Joint Master of Arts in Russian, East European, and Eurasian Studies and Master of Science in Library and Information Science, College of Liberal Arts and Sciences, School of Information Sciences, and the Graduate College, Urbana

The Urbana-Champaign Senate has approved a proposal from the College of Liberal Arts and Sciences, the School of Information Sciences, and the Graduate College to establish a joint Master of Arts in Russian, East European, and Eurasian Studies (MA in REES) and Master of Science in Library and Information Science (MS in

LIS). The proposed program enables the completion of two master's degrees in three years rather than four. In the past decade, approximately five students have completed these two programs in succession, indicating an already existing interest. That interest is expected to grow when the proposed program becomes available, as it will attract students who might otherwise have gone to joint degree programs elsewhere, such as the one available at Indiana University. The establishment of the joint MA in REES and MS in LIS will also facilitate further collaborations between the School of Information Sciences and the Russian, East European, and Eurasian Center in fields such as international and global informatics and digital humanities.

Establish, Eliminate, and Rename Concentrations in the Bachelor of Science in Natural Resources and Environmental Sciences, College of Agricultural, Consumer and Environmental Sciences, Urbana

The Urbana-Champaign Senate has approved a proposal from the College of Agricultural, Consumer and Environmental Sciences to reconfigure the concentrations available for the Bachelor of Science in Natural Resources and Environmental Sciences (BS in NRES). Specifically, the proposal seeks to establish two concentrations, one in Environmental Science and Management and one in Ecosystem Stewardship and Restoration Ecology; to rename the Fish and Wildlife Concentration, changing the concentration name to "Fish, Wildlife and Conservation Biology"; and to eliminate two concentrations, one in Global Change and Landscape Dynamics and one in Resource Conservation and Restoration Ecology. This reconfiguration more clearly articulates and differentiates the areas of study available to students in the BS in NRES. Additionally, it

better aligns the curriculum with the strengths and expertise of the department's faculty and the expectations of employers in allied fields.

Eliminate Concentrations in the Bachelor of Arts in Liberal Arts and Sciences in Geography and Geographic Information Science, College of Liberal Arts and Sciences, Urbana

The Urbana-Champaign Senate has approved a proposal from the College of Liberal Arts and Sciences to eliminate the concentration in Geographic Information Science and the concentration in Physical Geography from the Bachelor of Arts in Liberal Arts and Sciences in Geography and Geographic Information Science (BALAS in GGIS). As further detailed in a companion action item as well as in the previous report item, the College of Liberal Arts and Sciences is seeking to establish the Bachelor of Science in Liberal Arts and Sciences in Geography and Geographic Information Science (BSLAS in GGIS). The more social science-oriented concentrations will remain available for the BALAS in GGIS, while the concentrations in Geographic Information Science and in Physical Science will move to the BSLAS in GGIS.

As an inherently interdisciplinary field, geography includes both social and physical sciences. Organizing the concentrations available to majors so that the social sciences concentrations are clearly aligned with a BA program and the STEM concentrations with a BS program reflects this interdisciplinary nature most appropriately.

Establish the Post-Baccalaureate Campus Certificate in Energy Efficient Building Design, College of Engineering and the Graduate College, Chicago

The Chicago Senate with the recommendation of the College of Engineering and the Graduate College has approved the establishment of the post-baccalaureate Campus Certificate in Energy Efficient Building Design.

The certificate is offered by the Department of Mechanical and Industrial Engineering and draws upon existing faculty expertise and coursework within the Master of Energy Engineering (MEE). It has been developed to meet demand, including interest from working professional engineers who seek expertise in the field of energy efficient building design but cannot invest the time nor need the full skillset of the MEE. Applicants should have a bachelor's degree in an engineering discipline, mathematics, computer science, or a natural science. The certificate provides an integrated course of study covering energy usage and efficiency technologies for commercial buildings and industrial operation. It is comprised of 12 hours, two of three selective courses and a required capstone course. The department estimates four students will enroll in the certificate annually.

Establish the Post-Baccalaureate Campus Certificate in Power Generation, College of Engineering and the Graduate College, Chicago

The Chicago Senate with the recommendation of the College of Engineering and the Graduate College has approved the establishment of the post-baccalaureate Campus Certificate in Power Generation.

The certificate is offered by the Department of Mechanical and Industrial Engineering and draws upon existing faculty expertise and coursework within the Master of Energy Engineering (MEE). It has been developed to meet demand, including interest from working professional engineers who seek expertise in the field of power generation but cannot invest the time nor need the full skillset of the MEE. Applicants should have a bachelor's degree in an engineering discipline, mathematics, computer science or a natural science. The certificate provides an integrated course of study covering electric power generation technologies for utility and distributed operation. It is comprised of 12 hours, two of three selective courses and a required capstone course. The department estimates four students will enroll in the certificate annually.

Establish the Concentration in Occupational and Environmental Medicine in the Master of Public Health, School of Public Health, Chicago

The Chicago Senate, with the recommendation of the School of Public Health, has approved the establishment of the Concentration in Occupational and Environmental Medicine in the Master of Public Health (MPH). The school's Division of Environmental and Occupational Health Sciences will offer the concentration.

The MPH has a required core that all students must complete comprised of five courses (18-20 hours). Students then complete divisional requirements, including a divisional core and coursework in at least one concentration. The concentration in Occupational and Environmental Medicine formally recognizes coursework completed by students in the Occupational Medicine Residency Program, a clinical residency in the University of Illinois Hospital & Health Sciences System. The concentration will be

available only to these residents, and other MPH candidates who are practicing clinicians. The concentration is comprised of six required courses, including public health preparedness, occupational safety, and injury epidemiology and prevention. Students will enroll in electives, if needed, to bring the total hours of the MPH, Concentration in Occupational and Environmental Medicine to a minimum of 42 hours.

Establish the Concentration in Public Health Emergency Preparedness in the Master of Public Health, School of Public Health, Chicago

The Chicago Senate with the recommendation of the School of Public Health has approved the establishment of the Concentration in Public Health Emergency Preparedness in the Master of Public Health (MPH). The school's Division of Environmental and Occupational Health Sciences will offer the concentration.

The MPH has a required core that all students must complete comprised of five courses (18-20 hours). Students then complete divisional requirements, including a divisional core and coursework in at least one concentration. The concentration in Public Health Emergency Preparedness covers required skills for professionals in the field. The concentration is comprised of four required courses, at least two selective courses students choose in collaboration with their advisor, and electives as needed. The MPH, Concentration in Public Health Emergency Preparedness requires a minimum of 43 hours.

Establish the Concentration in Primary Care Mental Health in the Doctor of Nursing Practice, College of Nursing, Chicago

The Chicago Senate with the recommendation of the College of Nursing, has approved the establishment of the Concentration in Primary Care Mental Health in the Doctor of Nursing Practice (DNP).

The concentration will be available to students in the degree's six primary care specialties and is comprised of five required courses (13 hours) above and beyond DNP specialty program requirements. It provides additional academic preparation for the care of patients who present with common mental health problems within the scope of primary care practice (e.g., depression, anxiety, substance abuse disorders, and ADD/ADHD). It also provides a competitive advantage in the job market, especially in rural and underserved urban settings. The concentration will not qualify students to obtain certification as a psychiatric-mental health nurse practitioner; however, the five courses can be applied towards the requirements of the Post-DNP campus certificate in that specialty.

Revise the Master of Urban Planning and Policy and Eliminate the Concentrations in Community Development, Economic Development, Environmental Planning and Policy, Globalization and International Planning, Spatial Planning and Design, and Urban Transportation, College of Urban Planning and Public Affairs and the Graduate College, Chicago

The Chicago Senate with the recommendation of the College of Urban Planning and Public Affairs and the Graduate College has approved the revision of the Master of Urban Planning and Policy (MUPP) and the elimination of the degree's six concentrations.

The degree's core will increase from five required courses (20 hours) to eight required courses (30 hours), including coursework in geographic information systems, geospatial analysis and visualization, and global urbanization and planning. The MUPP's six concentrations will be eliminated, and the degree will move to a more flexible model of required specializations that can be more quickly adapted to changes in the discipline and are not noted on student transcripts. Students will complete one of the following five specializations (12 hours): community development, economic development, environmental planning and policy, spatial planning, and urban transportation. The degree's thesis or project requirement will also be revised, and students will subsequently have to complete a thesis or professional portfolio. The total hours required to earn the MUPP will remain at 60 hours.

Revise the Master of Public Health, Concentration in Community Health Sciences and Establish Four Additional Secondary Concentrations in Population Health, Community-Based Research Methods, Community Health Interventions, and General Community Health Sciences, School of Public Health, Chicago

The Chicago Senate with the recommendation of the School of Public Health has approved the revision of the Master of Public Health (MPH), Concentration in Community Health Sciences and establishment of four secondary concentrations.

The MPH has a required core that all students must complete comprised of five courses (18-20 hours). Students then complete divisional requirements, including a divisional core and coursework in at least one concentration. MPH students in the Division of Community Health Sciences earn a concentration in community health sciences. Subsequently, they will also be required to complete one of seven secondary

concentrations. Three secondary concentrations already exist (global health, maternal and child health, and maternal and child health epidemiology). Three existing areas of specialization in population health, community-based research methods, and community health interventions will be retitled as concentrations to conform with requirements of the Council on Education for Public Health, the accrediting body for schools and programs in the discipline. Finally, a generalist concentration will be added to provide students with greater flexibility to explore areas of practice in community health. All secondary concentrations require at least 9 hours. The total hours required to earn the MPH in the Division of Community Health Sciences varies based on the secondary concentration selected, but students will complete between 42 and 49 hours.

Eliminate the Concentration in Environmental and Occupational Health Policy in the Master of Public Health, School of Public Health, Chicago

The Chicago Senate with the recommendation of the School of Public Health has approved the elimination of the Concentration in Environmental and Occupational Health Policy in the Master of Public Health (MPH). The school's Division of Environmental and Occupational Health Sciences has offered the concentration.

The elimination is the result of low enrollment, and no students are currently enrolled. Because knowledge of environmental and occupational health policy remains important for MPH students, concentration content has been integrated into the divisional core. In addition, most concentration courses will be retained and can be completed as electives by students in the remaining concentrations.