

University of Minnesota Board of Regents
Mission Fulfillment Committee
February 13, 2020

Public Review Consent Report

I. Request for Approval of New Academic Programs

- **College of Science and Engineering (Twin Cities campus) —Create a graduate minor in Data Science in Astrophysics**

The College of Science and Engineering requests approval to create a graduate minor in Data Science in Astrophysics, effective fall 2020. The graduate minor is designed to be interdisciplinary and integrates data science (statistics, data processing, artificial intelligence) with the field of astrophysics. Students pursuing the minor will receive the training needed to advance the field of astrophysics, while simultaneously preparing to be successful professionals and leaders in the modern data-driven workforce. The curriculum covers the fundamental concepts in statistics, data processing and data management, as well as the modern machine learning and deep learning techniques needed for analyzing the ever-increasing astrophysics data-sets. Students will have opportunities to conduct research projects using modern astrophysics data-sets, and will work in interdisciplinary teams mentored by interdisciplinary faculty. Students will have opportunities to develop their professional leadership and communication skills. The formation of the program is supported by a National Science Foundation (NSF) research training grant and builds on and makes use of existing courses and resources from the data science, computer sciences, and statistics graduate programs.

- **Carlson School of Management (Twin Cities campus)—Create a Business of Healthcare undergraduate minor**

The Carlson School of Management on the Twin Cities campus requests approval to create an undergraduate minor in Business of Healthcare, effective fall 2020. The Business of Healthcare minor is available to degree-seeking students admitted to the college and provides an opportunity for specialized knowledge and skills relevant in the medical industry. The objectives of the minor are to provide deeper knowledge of the institutions, regulations and marketplace in the medical industry; engage with the medical industry in their investment, payer, provider and medical technology sectors; enhance the hiring advantage of students by firms in the medical industry and other related sectors; and prepare students to succeed in this complex and fast-growing industry. Students will take courses on healthcare marketplace, institutions, regulations, reimbursement, medical technology, and industry analytics. The proposed program makes use of existing courses and resources.

- **College of Liberal Arts (Twin Cities campus)—Create undergraduate minor in World Music**

The College of Liberal Arts on the Twin Cities campus requests approval to create an undergraduate minor in World Music, effective fall 2020. The proposed program is organized around hands-on experience with West African Drumming, Javanese Gamelan, Indian Raga, Jazz, and other musics and combines experiential immersion with scholarly study (historical, ethnographic, philosophical). This minor is designed to meet the needs of students who may not have formal training in reading music, but wish to deepen their understanding of musical study grounded in a wide range of cultures. The minor allows students to explore the diversity of the world's musics—including popular, classical, and folk from Minnesota and around the world. Undergraduate students from any college or department at the University can participate in this minor program. The proposed program makes use of existing courses and resources.

- **Medical School (Twin Cities campus) —Create fellowship in Glomerular Disease and Vasculitis**

The Medical School on the Twin Cities campus requests approval to create a fellowship in Glomerular Disease and Vasculitis, effective summer 2020. The program will offer clinical and research opportunities for fellows with specialized training in the treatment of patients with glomerular diseases. Fellows will participate in translational research projects through the Division of Renal Diseases and Hypertension and/or the Division of Pediatric Nephrology. The fellowship will address an unmet need in Minnesota for specialized training in the field of autoimmune diseases affecting the kidney and other forms of glomerular diseases. The proposed fellowship makes use of existing resources.

II. Request for Changes to Academic Programs

- **College of Liberal Arts (Twin Cities campus)—Discontinue sub-plans in the Political Science B.A. degree**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue sub-plans in the Political Science Bachelor of Arts (B.A.) degree, effective fall 2020. The discontinued sub-plans include: Business and Politics; Campaigns and Elections; Citizenship and Civic Action; Democratization and Development; Global Politics; Law and Politics; Political Psychology; Beliefs and Behavior; and Public Affairs. The discontinued sub-plans are part of a program reconfiguration to focus on thematic areas spanning four subfields: American Politics, Comparative Politics, International Relations, and Political Theory. The new configuration will support students pursuit of a wide variety of careers while also developing an array of skills including oral and written communication, critical thinking, problem-solving, digital competencies and political knowledge. The proposed changes make use of existing courses and resources.

- **College of Liberal Arts (Twin Cities campus)—Discontinue Integrated Degree B.A./M.S. in Biostatistics sub-plan in the Statistical Practice B.A. degree**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue the integrated degree B.A./M.S. in Biostatistics sub-plan in the Statistical Practice Bachelor of Arts

(B.A.) degree, effective fall 2020. This program is no longer being offered, and no students are enrolled.

- **College of Liberal Arts (Twin Cities campus)—Discontinue Integrated Degree B.S./M.S. in Biostatistics sub-plan in the Statistical Science B.S. degree**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue the integrated degree B.S./M.S. in Biostatistics sub-plan in the Statistical Science Bachelor of Science (B.S.) degree, effective fall 2020. This program is no longer being offered, and no students are enrolled.

- **College of Education and Human Development (Twin Cities campus)—Deliver the Teaching English as a Foreign Language undergraduate certificate primarily online.**

The College of Education and Human Development on the Twin Cities campus requests approval to deliver the Teaching English as a Foreign Language undergraduate certificate in a primarily online format, effective fall 2020. The college plans for and allocates resources for online delivery options. Online delivery allows the college to provide broader alternatives to current and prospective students.