

**University of Minnesota Board of Regents
Mission Fulfillment Committee
October 7, 2021
Consent Report: Academic Program Changes
Public Review**

I. Request for Approval of New Academic Programs

Medical School (Twin Cities campus)—Create a Fellowship Program in Multiple Sclerosis

The Medical School on the Twin Cities campus requests approval to create a Fellowship Program in Multiple Sclerosis, effective summer 2022. This program will train one Fellow per year and is a one-year program, teaching the skills necessary to expertly manage patients with MS and inflammatory disorders of the central nervous system. Trainees will also participate in ongoing clinical trials to learn clinical research principles and mechanics, interpretation of findings, and research ethics. Additional curriculum will include Neuro-ophthalmology, Physical Medicine and Rehabilitation, and a variety of electives, didactic conferences, journal clubs and weekly Neurology Grand Rounds. MS affects over 900,000 people in the US, with northern states such as Minnesota having particularly high prevalence of the disease. Despite advancements in treatment, the disease remains incurable and the number of MS specialists in our state is insufficient to meet patient needs. Recently, the number and complexity of therapeutics for MS has greatly expanded, creating a need for specialized training. There is an active need for MS/Clinical Neuroimmunology specialists, and there are significant career opportunities for neurologists with fellowship training in this subspecialty. This program will have a direct source of financial support via dedicated University of Minnesota Foundation funds, clinical revenue offsets, foundation grants, and industry grants.

College of Continuing and Professional Studies (Twin Cities campus)—Create a Master of Professional Studies degree in Sexual Health

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to create a Master of Professional Studies (M.P.S.) degree in Sexual Health, effective Spring 2022. The M.P.S. in Sexual Health provides a broad overview of the human sexuality field in addition to current, evidence-based practices that prepares students for careers as sex therapists or sex educators. Components of the curriculum are accepted by the American Association of Sex Educators, Counselors, and Therapists (AASECT) toward certification. The program will prepare students with the skills and ability to apply evidence-based practices in sexual health along with a broad overview of the human sexuality field. The M.P.S. in Sexual Health is a fully online, stackable degree that builds on CCAPS current offerings, student base, and academic relationships, most notably with the Institute for Sexual and Gender Health, University of Minnesota Medical School. The College is proposing this degree along with stackable professional post-baccalaureate certificate programs in human sexuality and sex therapy to meet current need and demand in this growing field. Similar programs exist at or are in development at peer institutions including but not limited to Indiana University, University of Wisconsin-Stout, Ohio State University, and the University of Michigan. The program will be offered completely online and makes use of existing resources within the college.

College of Continuing and Professional Studies (Twin Cities campus)—Create a Post-Baccalaureate Certificate in Sex Therapy

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to create a Post-Baccalaureate Certificate in Sex Therapy, effective Spring 2022. The 12-credit graduate-level certificate in Sex Therapy is offered in partnership with the Institute for Sexual and Gender Health at the University of Minnesota Medical School. Human sexuality and associated gender roles and sexual

behavior are an integral part of health care, clinical and social sciences, biological sciences, and a determinant of population dynamics and population science. Sexual health issues are often part of a clinically oriented medical curriculum, and this certificate would broaden sexual therapy education to a wider audience. The target audience for this certificate is students looking for a professionally focused graduate credential to complement their current counseling license(s) to prepare themselves for a career working as a sex therapist or in sex therapy-adjacent careers. The certificate will be offered completely online and makes use of existing resources within the college.

College of Continuing and Professional Studies (Twin Cities campus)—Create a Post-Baccalaureate Certificate in Regulatory Affairs for Food Professionals

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to create a Post-Baccalaureate Certificate in Regulatory Affairs for Food Professionals, effective Spring 2022. The certificate is a graduate-level credential that prepares individuals for careers in the government sector, non-profit agencies, international organizations, and corporations with more engagement in leadership practices within regulatory affairs. Students may complete this certificate as a standalone credential, in conjunction with elective coursework for their graduate degree housed outside of CCAPS, or as a core component of the 30-credit Master of Professional Studies in Applied Sciences Leadership (see proposed subplan on page 4). This certificate meets the needs of career changers or working professionals seeking more engagement with leadership practices within regulatory affairs and builds on current offerings and partnerships with related programs including the University of Minnesota Food Protection and Defense Institute and Integrated Food Systems Leadership Program. The certificate will be offered completely online and makes use of existing resources within the college.

College of Biological Sciences (Twin Cities campus)—Create an undergraduate minor in Health and Genomics

The College of Biological Sciences on the Twin Cities campus requests approval to create an undergraduate minor in Health and Genomics, effective fall 2021. Genetics and genomics have become integrated into healthcare at all levels and new standards of care involve incorporating genetic counseling and testing. Genomics professionals (genetics counselors, medical geneticists, specialists with genetics training, etc.) are in high demand. The Bureau of Labor Statistics projected a 21 percent change in employment for genetic counselors from 2019 to 2029, higher than the average growth rate typically around 4 percent. This minor will provide undergraduates interested in healthcare careers with the technical knowledge, awareness of ethical and diversity-related issues, along with directed research and/or fieldwork experiences to enrich preparation to incorporation of genomics into their careers. This training has the potential to interest students in majors both within the College of Biological sciences as well as other colleges with the following majors: Biology, Society, and Environment; Chemistry; Health and Wellbeing Sciences; Human Physiology; Nursing; Pre-Med; and Psychology. The minor has been constructed to include significant credits that do not overlap with the above-listed majors, making it a valuable complement for students with a particular interest in the application of genomics to healthcare. The new minor makes use of existing courses and includes the development of three new courses. The minor will be offered in a classroom/majority in-person format.

College of Arts, Humanities, and Social Sciences (Duluth Campus)—Create a Post-Baccalaureate Certificate in Indigenous Environmental Systems and Principles of Resource Management

The College of Arts, Humanities, and Social Sciences on the Duluth Campus requests approval to create a Post-Baccalaureate Certificate in Indigenous Environmental Systems and Principles of Resource Management, effective fall 2022. The certificate is designed to meet the professional needs of individuals interested in natural resources and environmental programs considering both Indigenous and Western knowledge systems. Program curriculum is focused on the interrelationship of biological, physical, and cultural systems and provides an opportunity for students to learn fundamental skills for tribal natural resource management, and Indigenous knowledge of aquatic and terrestrial ecosystems. The American

Indian Studies department is working to expand degrees offered due to expressed interest by Tribal communities, UMD and UMTC students, and government employees. The program is completely online and is unique in that it is the first in the UMN system to focus on Indigenous knowledge coupled with western science practices around environmental and resource management. The proposed program makes use of existing courses and resources.

College of Arts, Humanities, and Social Sciences (Duluth Campus)—Create a Post-Baccalaureate Certificate in Tribal Administration and Leadership

The College of Arts, Humanities, and Social Sciences on the Duluth Campus requests approval to create a Post-Baccalaureate Certificate in Tribal and Administrative Leadership, effective fall 2022. The certificate is designed to meet the professional needs of individuals interested in tribal governance and tribal relations. Coursework emphasizes the leadership qualities and skills necessary for tribal contexts, strategic management, operations management, and human resources management. This program makes a coherent subset of the Master of Tribal Administration and Governance (MTAG) courses available to prospective students as a stand-alone offering and will likely lead to increased enrollments in the MTAG program. The Department of American Indian Studies continues to expand practically oriented professional degrees and certificate programs in response to interest expressed by tribal nations. This trajectory fully aligns with UMD's commitments to innovative curricula, lifelong learning, cultural competence, the educational needs of indigenous peoples, as well as the economic growth, cultural preservation, and sovereignty of the tribal governments of the region, the state and North America. UMD is uniquely positioned with the relevant faculty expertise, the operational experience, and the existing tribal relationships necessary for successfully implementing this program. There are no known comparable academic programs in Minnesota or elsewhere. This program will be offered completely online and makes use of existing resources.

College of Arts, Humanities, and Social Sciences (Duluth Campus)—Create a Post-Baccalaureate Certificate in Tribal Sovereignty and Federal Indian Law

The College of Arts, Humanities, and Social Sciences on the Duluth Campus requests approval to create a Post-Baccalaureate Certificate in Tribal Sovereignty and Federal Indian Law, effective fall 2022. The Certificate is designed to meet the professional needs of individuals interested in tribal governance and tribal relations. Coursework emphasizes the inherent authority of tribal nations, federal Indian policy, and the legal status of tribes as contemplated within federal courts. Topics addressed include Indigenous understandings of sovereignty, treaty relations, trust obligations, jurisdiction, the past and present of relevant congressional policy, and landmark court decisions. This program makes a coherent subset of the Master of Tribal Administration and Governance (MTAG) courses available to prospective students as a stand-alone offering and will likely lead to increased enrollments in the MTAG program. It ensures students understand fundamental governance and legal principles associated with tribal nations and prepares them to participate in tribal governance and tribal relations. Prospective students come from tribal governance roles and therefore reflect perspectives of tribes and employers. This certificate also provides an opportunity for graduate students in programs across the University to gain expertise in this area which will significantly enhance their professional prospects across a wide array of fields. UMD is uniquely positioned with the relevant faculty expertise, the operational experience, and the existing tribal relationships necessary for successfully implementing this program. There are no known comparable academic programs in Minnesota or elsewhere. The proposed certificate consists of currently offered courses and will not require additional resources. The program will be offered in an in-person format.

College of Arts, Humanities, and Social Sciences (Duluth Campus)—Create a Post-Baccalaureate Certificate in Tribal Natural Resource Stewardship, Economics, and Law

The College of Arts, Humanities, and Social Sciences on the Duluth Campus requests approval to create a Post-Baccalaureate Certificate in Tribal Natural Resources Stewardship, Economics, and Law, effective fall 2022. The certificate is designed to meet the professional and leadership needs of individuals

interested in Tribal natural resources and environmental programs, considering multiple perspectives regarding economic value and exchange of decision-making affecting the natural resources of Tribal Nations. Practical areas of study will include sustainability, pollution control, benefit-cost analysis, air and water quality, waste management and conservation, both on and off of Reservations. The certificate program provides a credential for professionals who either want to continue to add to their expertise or for current students who want to gain a better understanding of a different knowledge system adding skills to Minnesota's workforce and diversifying the environmental sciences. The certificate makes use of existing courses and resources from the Master of Tribal Resource and Environmental Stewardship (MTRES) program and will prepare students with knowledge that will allow them to move beyond the traditional western concept of optimizing commercial exploitation of the natural environment to consideration and internalization of the costs of management activities impacting Tribal cultural and spiritual values and non-market resources in decision-making. The MTRES program is unique in that there are no other master's degree programs offered at the University of Minnesota or elsewhere that focus on natural resources from a Native worldview. All courses are offered online with synchronous virtual meetings.

II. Request for Approval of Changed Academic Programs

College of Science and Engineering (Twin Cities Campus)—Discontinue the Co-op subplan in the Bachelor of Mechanical Engineering degree

The College of Science and Engineering on the Twin Cities campus requests approval to discontinue the Engineering Co-op program subplan in the Bachelor of Mechanical Engineering (B.M.E.), effective spring 2022. The Co-op program will continue to be offered as a college-wide option to all engineering students, and not as a specific sub-plan of individual programs.

College of Continuing and Professional Studies (Twin Cities Campus)—Create Regulatory Affairs for Food Professionals subplan option in the Applied Sciences Leadership M.P.S. degree

The College of Continuing and Professional Studies on the Twin Cities Campus requests approval to create a Regulatory Affairs for Food Professionals subplan option in the Applied Sciences Leadership M.P.S. degree, effective spring 2022. This subplan provides an option for students in the M.P.S. seeking more engagement with leadership practices within regulatory affairs. It builds on and complements current offerings and partnerships with related programs including the University of Minnesota Food Protection and Defense Institute and Integrated Food Systems Leadership Program. The subplan will be offered in an online format and is the same 12 credits as the proposed Post-Baccalaureate Certificate program.

Labovitz School of Business and Economics (Duluth campus) —Create an Integrated Degree Program option in the Bachelor of Business Administration and Master of Business Administration degrees.

The Labovitz School of Business and Economics on the Duluth campus requests approval to create a B.B.A./M.B.A. Integrated Degree Program option in the Bachelor of Business Administration degree and the Master of Business Administration, effective fall 2021. Integrated degree programs allow University of Minnesota undergraduate students early admission into a specified master's degree program and an opportunity to complete master's coursework as an undergraduate student and use those courses toward the master's degree.

Labovitz School of Business and Economics (Duluth campus) —Create an Integrated Degree Program option in the Bachelor of Accounting and Master of Business Administration degrees.

The Labovitz School of Business and Economics on the Duluth campus requests approval to create a B.Acc./M.B.A. Integrated Degree Program option in the Bachelor of Accounting degree and the Master of Business Administration, effective fall 2021. Integrated degree programs allow University of Minnesota undergraduate students early admission into a specified master's degree program and an

opportunity to complete master's coursework as an undergraduate student and use those courses toward the master's degree.

III. Request for Approval of Discontinued Academic Programs

School of Public Health (Twin Cities Campus)—Discontinue the Master of Public Health in Biostatistics degree

The School of Public Health on the Twin Cities Campus requests approval to discontinue the Master of Public Health (M.P.H.) degree in Biostatistics, effective fall 2021. The School of Public Health offers a Master of Science in Biostatistics, which is the preferred degree. Additionally, an M.P.H. in Data Science was recently approved and will begin in the fall of 2022. Students who wish to have an M.P.H. will have the option to apply to this new program.