

**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 and 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.

**University of Minnesota Board of Regents  
Mission Fulfillment Committee  
May 7, 2020**

**Public Review Consent Report**

**Academic Program Additions,  
Changes, and Discontinuations**

**I. Request for Approval of New Academic Programs**

- **College of Continuing and Professional Studies (Twin Cities campus)—Create M.P.S. degree in Applied Sciences Leadership**

The College of Continuing and Professional Studies requests approval to create the Master of Professional Studies (M.P.S.) degree in Applied Sciences Leadership, effective fall 2020. This program provides professionals cross-competency and applied leadership skills and knowledge. Students will acquire qualitative human-centered and quantitative data-focused applied professional skills that are integral to workplace success. The program will be delivered primarily online with short intensive periods of in-person instruction during the summer term. This interdisciplinary degree will be offered in partnership with College of Veterinary Medicine , College of Food, Agricultural and Natural Resource Sciences, and the School of Public Health and will make use of existing courses and resources.

- **College of Food, Agriculture and Natural Resource Sciences (Twin Cities campus) —Create M.P.S. degree in Nutritional Sciences**

The College of Food, Agriculture and Natural Resource Sciences requests approval to create the Master of Professional Studies (M.P.S.) degree in Nutritional Sciences, effective fall 2020. This program allows for masters-level certification for students pursuing the Didactic Program in Dietetics track of the B.S. degree in Nutrition or other B.S. degree with a registered dietitian certification. The program makes use of existing courses and resources.

- **Carlson School of Management (Twin Cities campus)—Create five post-baccalaureate business-taxation related certificates**

The Carlson School of Management on the Twin Cities campus requests approval to create the five following business- taxation related post-baccalaureate certificates, effective fall 2020:

**1. Post-baccalaureate Certificate in Closely-Held Business Taxation**

Coursework for this certificate emphasizes taxation of the small businesses, partnerships, wealth transfer, compensation, and property transactions.

**2. Post-baccalaureate Certificate in High Net-Worth Individual Taxation**

Coursework for this certificate emphasizes tax research, wealth transfer, trusts and estates, compensation, and property transactions.

**3. Post-baccalaureate Certificate in International Taxation**

Coursework for this certificate emphasizes corporate taxation, tax aspects of international business, and transfer pricing.

#### **4. Post-baccalaureate Certificate in Tax Executive**

Coursework for this certificate emphasizes corporate taxation, computation and analysis, state and local taxation, and tax aspects of international business.

#### **5. Post-baccalaureate Certificate in Taxation**

Coursework for this certificate emphasizes tax accounting methods, tax research,, corporate taxation, and taxation of partners and partnerships

Creation of the post-baccalaureate certificates addresses needs expressed by accounting firms and the lack of accounting graduate taxation programs nationally and in the upper Midwest. The additional certificate programs expand the School's enrollment and geographical diversity.

Each certificate is designed for tax professionals seeking a credential that identifies them as a tax expert in the field while preparing graduates for greater responsibilities in business management, financial management, and consulting. A rigorous curriculum, taught fully or partially online depending on student preference, will focus on the analytical, problem-solving, writing, and communication skills that foster career advancement. Each certificate is a total of 12 credits and can be completed in 12 to 24 months. No additional resources are needed to add the certificate programs and there is capacity for additional students in the courses utilized.

- **Carlson School of Management (Twin Cities campus)—Create six business-management related post-baccalaureate certificates.**

The Carlson School of Management on the Twin Cities campus requests approval to create the following business-management related post-baccalaureate certificates , effective fall 2020.

#### **1. Post-Baccalaureate Certificate in Asset Management**

The Asset Management certificate focuses on the most relevant topics for those seeking to advance in their firms or pivot into asset management.

#### **2. Post-Baccalaureate Certificate in Business Analytics**

The Business Analytics certificate offers candidates the skills to extract insights with creative data analysis and apply the results in real business settings.

#### **3. Post-Baccalaureate Certificate in Corporate Financial Management**

The Corporate Finance certificate is a curated introductory credential that lays out the foundations of the discipline for those seeking to enter or advance. It is designed to convey a basic understanding of financial management principles as well as more advanced concepts and techniques for measuring and tracking value creation.

#### **4. Post-Baccalaureate Certificate in Leadership for Manager.**

The Leadership for Managers certificate offers candidates a challenging academic curriculum that teaches critical management, team leadership, and problem-solving skills.

Candidates will apply real world knowledge through hands-on opportunities and develop a culture of teamwork and collaboration to meet organizational goals.

### **5. Post-Baccalaureate Certificate in Strategic Management**

The Strategic Management certificate draws on insights of strategic decisions that drive success or failure within an organization. Students will study cases, complete group projects, and dive deeply into a curriculum that exposes them to the difficult landscape of organizational decision making.

### **6. Post-Baccalaureate Certificate in Strategic Marketing**

The Strategic Marketing certificate explores the most current practices in digital, social media, and traditional marketing. The curriculum covers strategic decisions and creates a better understanding of the marketing needs of the firm, while leveraging the power of marketing techniques used in business today.

The proposed post-baccalaureate certificates respond to market trends and needs from corporations and prospective students for shorter, more specialized degrees closely aligned to specific competencies. The certificates provide learners formal, credit-bearing, offerings in areas targeted to industry needs. Each certificate program builds on the current MBA portfolio by offering a short-term credentialing program that can be completed in-person, online, or a combination of both and will make use of existing courses and resources.

- **College of Continuing and Professional Studies (Twin Cities campus)—Create post-baccalaureate certificate in Leadership for Science Professionals**

The College of Continuing and Professional Studies (CCAPS) requests approval to create the Post-baccalaureate Certificate in Leadership for Science Professionals, effective fall 2020. The certificate is designed for individuals seeking a post-baccalaureate level credential that offers a foundation in the leadership skills necessary for advancement in a wide-range of professional science and science-adjacent careers in government, non-profit agencies, international organizations, and corporations. The program will be offered in a fully-online format and make use of existing courses and resources.

- **College of Design (Twin Cities campus)—Create Bachelor of Landscape Architecture (B.L.A.) degree**

The College of Design on the Twin Cities campus requests approval to create the Bachelor of Landscape Architecture (B.L.A.) degree, effective fall 2021. The Bachelor of Landscape Architecture program prepares students through courses on design and creativity, technology, socio/cultural and ecological systems, as well as theoretical and scientific knowledge bases. The curriculum will prepare students for the professional practice of landscape architecture, which includes site design and development, urban design and planning, regional planning, and the design of climate resilient and sustainable landscapes across a broad range of types and scales. The program trains graduates for professional practice or pursuit of advanced study in landscape architecture or related disciplines while reducing the time required to enter the profession. The program will utilize existing courses in Architecture, Environmental and Evolutionary Biology, Biology, Geography, and Horticulture, as well as liberal education electives across the University and makes use of other existing resources.

- **College of Biological Sciences (Twin Cities campus)—Create undergraduate minor in Cell Biology**

The College of Biological Sciences on the Twin Cities campus requests approval to create an undergraduate minor in Cell Biology, effective fall 2020. Training in cell biology involves understanding how cells function: understanding structures, biochemical pathways and metabolism, signaling and development. The proposed minor is for students with non-College of Biological Science majors seeking degrees and careers in the health sciences, engineering, and agriculture. The minor utilizes existing courses that have capacity.

- **College of Biological Sciences (Twin Cities campus)—Create undergraduate minor in Genetics**

The College of Biological Sciences on the Twin Cities campus requests approval to create the undergraduate minor in Genetics, effective fall 2020. The proposed minor focuses on understanding the biology of genes and is designed for non-College of Biological Science majors seeking degrees in a wide variety of majors within health sciences, engineering and agriculture. The proposed minor provides students with focused training in genetics and prepares them for jobs in health sciences, agriculture, engineering, nursing, genetic counseling and other fields. The minor utilizes existing courses that have capacity.

## **II. Request for Changes to Academic Programs**

- **College of Education and Human Development (Twin Cities campus)—Discontinue the Emotional and Behavioral Disabilities subplan in the M.Ed. degree in Special Education Initial License**

The College of Education and Human Development on the Twin Cities campus requests approval to discontinue the Emotional and Behavioral Disabilities subplan in the Master of Education (M.Ed.) degree in Special Education Initial License, effective fall 2020. Students are no longer using this subplan..

- **College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the Health and Wellness subplan in the B.S. degree in Inter-College Program**

College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the Health and Wellness subplan in the Bachelor of Science (B.S.) degree in Inter-College, effective fall 2020. The subplan is being replaced by a proposed Health and Wellbeing Sciences major. Students may continue until degree completion, but applications for the subplan will end Summer 2020.

- **College of Food, Agriculture and Natural Resource Sciences (Twin Cities campus) —Change the name of the undergraduate minor in Entomology to Insect Science**

The College of Food, Agriculture and Natural Resource Sciences on the Twin Cities campus requests approval to change the name of the minor in Entomology to Insect Science, effective fall 2020. The proposed name change reflects current curricular alignment and changes in the field.

- **College of Liberal Arts (Twin Cities campus)—Create 7 subplans for the PhD degree in Psychology**

The College of Liberal Arts on the Twin Cities campus requests approval to create 7 subplans for the PhD degree in Psychology, effective fall 2019. The subplans formalize the following long-standing emphases that presently exist in this degree program: clinical science and psychopathology research; cognitive and brain sciences; counseling psychology; industrial/organizational psychology; personality, individual differences, and behavior genetics; quantitative/psychometric methods; and social psychology. The change from emphases to official subplans provides for greater specificity and official notation on the transcript. The proposed changes makes use of existing courses and resources.

- **College of Liberal Arts (Twin Cities campus)—Discontinue the South Asia subplan in the B.A. degree in Global Studies**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue the South Asia subplan in the Bachelor of Arts (B.A.) degree in Global Studies, effective fall 2020. Program faculty voted unanimously to eliminate this subplan due to a lack of supporting coursework and student interest.

- **College of Liberal Arts (Twin Cities campus)—Discontinue the B.A./M.A. Integrated Degree Program subplan in the Strategic Communications: Advertising and Public Relations B.A. degree and Health Communication M.A. degree**

College of Liberal Arts on the Twin Cities campus requests approval to discontinue the B.A./M.A. Integrated Degree Program subplan in the Strategic Communications: Advertising and Public Relations B.A. degree and Health Communication M.A. degree, effective fall 2020. The subplan is proposed for discontinuation due to lack of student interest.

- **College of Science and Engineering (Twin Cities campus) —Create a Digital Health subplan in the Biomedical Engineering B.Bm.E. degree**

The College of Science and Engineering on the Twin Cities campus requests approval to create a Digital Health subplan in the Biomedical Engineering (B.Bm.E.) degree. The Digital Health subplan aims to prepare students to manage and analyze big data problems within the medical industry. Students in this subplan will take machine learning and data management classes.

- **The Humphrey School of Public Affairs (Twin Cities campus)—Deliver the Post-Baccalaureate Certificate in Human Services Leadership partially online**

The Humphrey School of Public Affairs on the Twin Cities campus requests approval to deliver the post-baccalaureate certificate in human services leadership partially online, 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.

- **Medical School (Twin Cities campus) —Change name of the Hematology fellowship to the Hematopathology fellowship**

The Medical School on the Twin Cities campus requests approval to change the name of the Hematology fellowship to the Hematopathology fellowship, effective summer 2020. The change more accurately reflects the program emphasis of the fellowship and the recognized subspecialty within the field.

### **III. Request for Approval of Discontinued Academic Programs**

- **College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the Manufacturing Operations Management undergraduate minor and certification**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the Manufacturing Operations Management undergraduate minor and certification, effective fall 2020. The proposed discontinuation is due to low enrollment. The college has developed a phase-out plan for the program.

- **College of Design (Twin Cities campus)—Discontinue the B.S. degree in Housing Studies**

The College of Design on the Twin Cities campus requests approval to discontinue the Bachelor of Science (B.S.) degree in Housing Studies, effective fall 2020. There are no active students in the program.

- **College of Liberal Arts (Twin Cities campus)—Discontinue the Classical and Near Eastern Archaeology undergraduate minor**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue the Classical and Near Eastern Archaeology undergraduate minor, effective fall 2020. Faculty changes prevent the department from maintaining and offering courses. There are no new students in the program or with incomplete minor requirements.

- **College of Science and Engineering (Twin Cities campus)—Discontinue the Infrastructure Systems Management and Engineering degree**

The College of Science and Engineering on the Twin Cities campus requests approval to discontinue the Infrastructure Systems Management and Engineering (M.S.I.S.M.E) degree, effective fall 2020. There are no students enrolled in the program at this time.

**PUBLIC REVIEW CONSENT REPORT**  
**University of Minnesota Board of Regents**  
**Mission Fulfillment Committee**  
**June 11, 2020**

**Consent Report: Academic Program Additions,  
Changes, and Discontinuations**

**I. Request for Approval of New Academic Programs**

- **Carlson School of Management (Twin Cities campus)—Create a Masters degree in Marketing**

The Carlson School of Management on the Twin Cities campus requests approval to create a Masters of Marketing (M. Mktg.) degree, effective fall 2021. The program provides a strong foundation in marketing by combining coursework, an experiential project, an internship, industry connections, and job preparation. As marketing increasingly touches all parts of an organization, employers seek well-rounded talent. Program graduates will have substantial marketing capabilities including understanding interactions (e.g., social media, individual profiling, website traffic), as well as the depth of knowledge of consumers (e.g., customer experience, big data, website personalization) and will be able to successfully contribute to marketing functions in both small and large organizations. The program makes use of existing courses and resources.

- **Carlson School of Management (Twin Cities campus)—Create two post-baccalaureate certificates in medical related business management**

The Carlson School of Management on the Twin Cities campus requests approval to create the following health and medical related business management post-baccalaureate certificates, effective fall 2020:

1. **Post-Baccalaureate Certificate in Medical Industry**

The Medical Industry certificate provides a curriculum that uses an interdisciplinary approach to provide market analysis of promising medical technologies and services. Candidates will learn from industry experts on the healthcare marketplace, institutions, regulations, reimbursement, payment, and healthcare analytics.

2. **Post-Baccalaureate Certificate in Supply Chain Management for the Medical and Health Sector**

The Supply Chain Management for the Medical and Health Sector certificate offers a foundation for supply chain operations in the medical industry. Curriculum focuses on an understanding of inputs to outputs, analysis of industrial resources and management of complex logistics and supply chain found within the medical and healthcare sectors.

The proposed post-baccalaureate certificates respond to market trends and needs from corporations and prospective students for shorter, more specialized degrees closely aligned to specific competencies. The certificates provide learners formal, credit-bearing, offerings in areas targeted to industry needs. Each certificate program builds on the current MBA portfolio by offering a short-term credentialing program that can be completed in-person, online, or a combination of both and will make use of existing courses and resources.

- **College of Design (Twin Cities campus)—Create an undergraduate minor in User Experience**

The College of Design on the Twin Cities campus requests approval to create an undergraduate minor in User Experience (UX), effective spring 2021. The minor will prepare students for design careers in the

rapidly evolving digital world. Designers can no longer rely solely on a skill set based largely in print-based methods. In this minor, conventional design and writing skills are refined to align with the specialized design processes involved in the prototyping of websites, interactive platforms – especially mobile apps, and software as well as analog, everyday objects. The minor is part of the existing curriculum in the Graphic Design, Design and Writing Studies programs and is an attractive offering for students already in these programs, other degree programs in the college, or across the university.

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

The College of Liberal Arts on the Twin Cities campus requests approval to create an undergraduate minor in Econometrics, effective fall 2020. The Econometrics minor appeals to students who plan to pursue careers related to mathematics, statistics, and data science. The minor will give students the ability to work with economic data, use estimation techniques to prove or disprove their hypothesis, and draw conclusions. Data analysis is a highly marketable skill. Econometrics was previously offered as a subplan option of the economics minor and makes use of existing courses and resources.

## **II. Request for Changes to Academic Programs**

- **Carlson School of Management (Twin Cities campus)—Create a joint graduate degree option in the M.S. Business Analytics and M.S. Finance degree programs**

The Carlson School of Management on the Twin Cities campus requests approval to create a joint graduate degree option in the Master of Science in Business Analytics (M.S.B.A.) and Master of Science in Finance (M.S.F.) programs, effective fall 2020. The creation of the joint M.S.B.A./M.S.F. degree positions the program to capitalize on a market demand for graduate-level students who are trained in both business analytics and finance domain knowledge and will allow students with both degrees to leverage their skills to bring value to their organizations. The program makes use of existing courses and resources.

- **Carlson School of Management (Twin Cities campus)—Create an integrated undergraduate/graduate option between the B.S.B. and M.H.R.I.R. degrees.**

The Carlson School of Management on the Twin Cities campus requests approval to create an integrated degree option in the following undergraduate majors within the Bachelor of Science in Business (B.S.B.): Accounting, Entrepreneurship Management, Finance and Risk Management, Finance, Human Resources and Industrial Relations, Management Information Systems, Marketing, and Supply Chain and Operations Management, and the Masters in Human Resource and Industrial Relations (M.H.R.I.R.) degree. The program will provide a structured option to complete both degrees in a more efficient and timely manner while still maintaining the rigors of the curriculum. The integrated degree option makes use of existing courses and resources.

- **College of Education and Human Development (Twin Cities campus)—Create a Counselor Education subplan in the Educational Psychology M.A. degree.**

The College of Education and Human Development on the Twin Cities campus requests approval to create a subplan in Counselor Education in the Master of Arts in Educational Psychology degree, effective fall 2020. The counselor education (CE) subplan track emphasizes a scientist and practitioner model. In addition to becoming skilled clinicians, students who take this track learn to be critical consumers and producers of both quantitative and qualitative research in the areas of clinical mental health, school counseling, or higher education. This subplan will replace the discontinued Counseling and Student Personnel Psychology (CSPP) subplan. The curriculum and subplan have been revised to meet accreditation requirements and make use of existing resources.

- **College of Food, Agriculture and Natural Resource Sciences (Twin Cities campus)—Create an integrated undergraduate/graduate option between the Sustainable Systems Management B.S. degree and the Biosystems Science, Engineering and Management M.S. degree.**

The College of Food, Agricultural and Natural Resource Sciences on the Twin Cities campus requests approval to create an integrated undergraduate/graduate program between the Bachelor of Science in Sustainable Systems Management (B.S. S.S.M.) and the Master of Science in Bioproducts and Biosystems Science, Engineering, and Management (M.S. B.B.S.E.M.) degrees, effective fall 2020. The proposed program will provide a structured option to complete both degrees in a more efficient and timely manner while still maintaining the rigors of the curriculum. The integrated degree option makes use of existing courses and resources.

- **College of Food, Agriculture and Natural Resource Sciences and the College of Science and Engineering (Twin Cities campus)—Create an integrated undergraduate/graduate option between the B.S. in Bioproducts and Biosystems Engineering degree and M.S. in Biosystems Science, Engineering and Management degree.**

The College of Food, Agricultural and Natural Resource Sciences and the College of Science and Engineering request approval to create an integrated undergraduate/graduate program between the Bachelor of Science in Bioproducts and Biosystems Engineering (B.S. B.B.E.) and the Master of Science in Bioproducts and Biosystems Science, Engineering, and Management degrees (M.S. B.B.S.E.M.), effective fall 2020. The proposed program will provide a structured option to complete both degrees in a more efficient and timely manner while still maintaining the rigors of the curriculum. The integrated degree option makes use of existing courses and resources.

- **College of Liberal Arts (Twin Cities campus)—Discontinue all subplans in the undergraduate Economics Minor**

The College of Liberal Arts on the Twin Cities campus requests approval to discontinue all subplans in the Economics Minor, effective fall 2020. The discontinued subplans include: Economic Theory, Econometrics (proposed as a new freestanding minor), International Trade and Development, Applied Microeconomics, and Monetary Theory. The discontinued subplans are part of a minor program reconfiguration to focus on general requirements and appeal to a wider group of students. The new configuration will support students pursuit of a wide variety of coursework in economics and aim to provide clearer requirements. The proposed changes reflect trends in the field.

- **College of Science and Engineering (Twin Cities campus) —Create a Secondary Education subplan in the B.S.Astrop. degree**

The College of Science and Engineering on the Twin Cities campus requests approval to create a subplan in Secondary Education in the Bachelor of Science in Astrophysics (B.S.Astrop.) degree in Astrophysics, effective fall 2020. This subplan is designed for students who are interested in teaching science at the secondary-school level. The program offers a versatile broad-based education. It is particularly useful to students who are planning on teaching in Minnesota, as it has been optimized to fit well with the state licensure procedures.

- **School of Nursing (Twin Cities campus)—Discontinue the Minnesota Bridge Program subplan in the Master of Nursing degree**

The School of Nursing on the Twin Cities campus requests approval to discontinue the Minnesota Bridge Program subplan, effective fall 2020. This subplan previously offered a bridge option to the Master of Nursing degree program for those who completed courses as part of a nursing certificate. This subplan option has not been utilized for several years and no formal transition plan is needed.

- **School of Nursing (Twin Cities campus)—Change the name of Women’s Health Care Nurse Practitioner Postgraduate Certificate**

The School of Nursing on the Twin Cities campus requests approval to change the name of the Women's Health Care Nurse Practitioner Postgraduate Certificate to the Women's Health/Gender Related Nurse Practitioner Postgraduate Certificate, effective fall 2020. The proposed name change reflects current curricular alignment and changes in the field.

### **III. Request for Approval of Discontinued Academic Programs**

- **Academic Health Sciences (Twin Cities campus)—Discontinue the Master of Occupational Therapy degree**

The Academic Health Sciences on the Twin Cities campus requests approval to discontinue the Master of Occupational Therapy (M.O.T.) degree, effective summer 2020. The program has developed a phase-out plan. The Occupational Therapy Doctorate (O.T.D.) program exists for students interested in pursuing graduate-level training in this field.

- **College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the Manufacturing Operations Management B.A.Sc. degree**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the Manufacturing Operations Management B.A.Sc. degree, effective fall 2020. The proposed discontinuation is due to low enrollment. The college has developed a phase-out plan for the program.

- **College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the undergraduate Accounting Certificate**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the undergraduate Accounting Certificate, effective summer 2020. The program has experienced a steady decline in enrollment. The accounting courses will continue to be offered by the Carlson School of Management (CSOM) and currently enrolled certificate students can continue to access the required courses and have until Summer 2024 to complete the credential.

**PUBLIC REVIEW CONSENT REPORT**  
**University of Minnesota Board of Regents**  
**Mission Fulfillment Committee**  
**September 10, 2020**

**Academic Program Additions, Changes, and Discontinuations**

**I. Request for Approval of New Academic Programs**

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**College of Continuing and Professional Studies (Twin Cities campus)—Create an undergraduate minor in Long Term Care Management**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to create an undergraduate minor in Long Term Care Management, effective spring 2021. The minor will prepare students to lead in the growing field of long-term care services and supports. Students will gain skills to lead and manage nursing homes, assisted living facilities, independent senior housing, home care, hospice, or other nonprofits that serve older adults. Through this minor, students will be eligible to obtain Licensed Nursing Home Administrator and Licensed Assisted Living Director credentials in Minnesota. The minor will be open to undergraduate students across the University. The proposed minor utilizes existing courses in the Health Services Management program.

**College of Liberal Arts (Twin Cities campus)—create an undergraduate minor in Museum and Curatorial Studies**

The College of Liberal Arts on the Twin Cities campus requests approval to create an undergraduate minor in Museum and Curatorial Studies, effective spring 2021. The minor invites students from diverse majors to engage in the study of museum history and practices including curating, managing collections, and designing exhibitions. The program will prepare students for graduate school and/or entry level positions in museums, galleries, and archives. Internships and electives will provide students with opportunities to learn skills such as the collection of object-based data, digital documentation, cataloging objects, and the use of digital tools for spatial planning as well as how to conduct scholarly research and to write for a range of audiences. Skills learned through the minor's curriculum also contribute to career readiness for related fields including design, digital communication, writing and journalism, collection management, intellectual property, education, and administration. The proposed minor makes use of existing coursework and resources.

**The College of Education and Human Service Professions (Duluth Campus)—Create an undergraduate minor in Developmental/Adapted Physical Education**

The College of Education and Human Services Professions on the Duluth Campus requests approval to create an undergraduate minor in Developmental/Adapted Physical Education (D/APE), effective spring 2021. The minor prepares Physical Education majors to teach students with disabilities in public school settings. The Developmental/Adapted Physical Education license is an add-on Special Education license for individuals holding a current K-12 Physical Education license. Successful completion of the program qualifies graduates to take the Minnesota Professional Educator Licensing & Standards Board (PELSB) examination for this

licensure area. The minor draws on current faculty expertise and makes use of existing resources.

## **II. Request for Approval of Changed Academic Programs**

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### **College of Continuing and Professional Studies (Twin Cities campus)—Deliver the Bachelor of Applied Science (B.A.Sc.) in Construction Management degree partially online**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to deliver the Construction Management B.A.Sc. degree partially online, effective spring 2021. The College plans for and allocates resources for distance learning delivery options to provide broader alternatives to current and prospective students.

### **College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the University Honors Program subplan option in the Inter-College Program B.S. degree.**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the University Honors Program (UHP) subplan option in the Inter-College Program B.S. degree, effective spring 2021. A separate UHP subplan is no longer required in order for students to participate in the University Honors Program.

### **College of Food, Agriculture and Natural Resource Sciences (Twin Cities campus)—Discontinue the Rochester subplan in the Master of Science in Nutrition degree.**

The College of Food, Agriculture and Natural Resource Sciences on the Twin Cities campus requests approval to discontinue the Rochester subplan in the Nutrition M.S. degree, effective spring 2021. The optional subplan is not active and there are no students enrolled.

### **College of Liberal Arts (Twin Cities campus)—change the name of the Hindi, Urdu and Arabic subplans in the Asian and Middle Eastern Studies B.A. degree and undergraduate minor.**

The College of Liberal Arts on the Twin Cities Campus requests approval to change the names of the Hindi, Urdu, and Arabic subplans in the Asian and Middle Eastern Studies B.A. degree and undergraduate minor, effective spring 2021. The Hindi and Urdu subplans have been incorporated into one subplan titled South Asian Studies. The Arabic subplan has been renamed Middle Eastern Studies. The requirements will remain the same. The changes are a result of programmatic name changes and curricular updates.

### **The College of Science and Engineering (Twin Cities Campus)—Create three new subplans in the Bachelor of Computer Engineering (B.Comp.E.) degree.**

The College of Science and Engineering on the Twin Cities Campus requests approval to create three new subplans in the Bachelor of Computer Engineering (B.Comp.E.) degree, effective spring 2021. The new subplans: Business and Management Emphasis, Product Design Emphasis, and Interdisciplinary Design Emphasis, reflect changes in the field and curriculum.

### **The College of Science and Engineering (Twin Cities Campus)—Create three new subplans in the Bachelor of Electrical Engineering (B.E.E.) degree.**

The College of Science and Engineering on the Twin Cities Campus requests approval to create three new subplans in the Bachelor of Electrical Engineering (B.E.E.) degree, effective spring

2021. The new subplans: Business and Management Emphasis, Product Design Emphasis, and Interdisciplinary Design Emphasis, reflect changes in the field and curriculum.

**School of Nursing (Twin Cities campus)—Create a partially online option in the Nursing PhD degree**

The School of Nursing on the Twin Cities campus requests approval to create a partially online option in the Nursing PhD degree program, effective spring 2021. The Nursing PhD courses will be delivered with blended instruction offering students the flexibility to attend class in-person or connect in a synchronous remote format with some asynchronous activities. The School of Nursing plans for and allocates resources for distance learning delivery options to provide broader alternatives to current and prospective students.

### **III. Request for Approval of Discontinued Academic Programs**

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**College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the undergraduate Interpreting Certificate**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the undergraduate Interpreting Certificate, effective summer 2021. A recent market analysis of the field indicates that jobs with interpreting or translation skills required do not require post-secondary credentials or specific certification. The program director is working with each student to develop a plan to complete the certificate, if they opt to do so, by the end of spring 2021.

**College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the undergraduate minor in Translation.**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the undergraduate minor in Translation, effective summer 2021. A recent market analysis of the field indicates that jobs with interpreting or translation skills required do not require post-secondary credentials or specific certification. The program director is working with each student to develop a plan to complete the certificate, if they opt to do so, by the end of spring 2021.

**The Labovitz School of Business and Economics (Duluth Campus)—Discontinue the Bachelor of Business Analytics (B.B.A.) degree and undergraduate minor in Marketing Analytics**

The Labovitz School of Business and Economics on the Duluth Campus requests approval to discontinue the B.B.A. degree and undergraduate minor in Marketing Analytics, effective spring 2021. The Marketing Analytics B.B.A. has been reconfigured into the newly created Business Analytics B.B.A. and Consumer Insights and Analytics B.B.A. (approved by the Board of Regents in February 2020). The reconfiguration makes use of existing resources.

**University of Minnesota Board of Regents  
Mission Fulfillment Committee  
December 10, 2020**

**Consent Report  
PUBLIC REVIEW**

**I. Request for Approval of New Academic Programs**

**College of Education and Human Development (Twin Cities campus)—Create a B.S. degree in Physical Activity and Health Promotion**

The College of Education and Human Development on the Twin Cities campus requests approval to create a Bachelor of Science (B.S.) degree in Physical Activity and Health Promotion (PAHP), effective fall 2022. The PAHP program, in the School of Kinesiology, will prepare students to collect and analyze data to plan, implement, monitor, and evaluate programs designed to encourage physical activity and healthy lifestyles. Graduates will have the knowledge and skills to utilize scientific findings to understand the effect of physical activity and healthy lifestyles on improving physical and mental health. Related careers include health coaching, worksite wellness, personal fitness training, and other health promotion related fields. Physical activity and health professions are projected to grow seven to 18 percent over the next decade. The need for a highly knowledgeable workforce in this field has driven national growth in students seeking this major and pursuing additional credentials in this area. The School of Kinesiology is ranked in the top ten of the over 850 Kinesiology programs in the country and locating the PAHP major in our school will provide students with access to cutting edge research with a focus on physical activity. Due to strategic hires over the past decade, the School of Kinesiology will make use of existing faculty lines and resources to support the development and delivery of the new PAHP B.S. degree.

**Crookston campus—Create undergraduate minor in Sustainability**

The Crookston campus requests approval to create an undergraduate minor in Sustainability, effective fall 2021. The minor is a collaboration among four departments: Agriculture and Natural Resources; Business; Humanities, Social Sciences, and Education; and Math, Science and Technology, and will provide students with a fundamental understanding of the three pillars of sustainability- economic growth, environmental stewardship, and social progress. The minor will be offered in both an in-person modality on the UMC campus, and offer an online subplan option, making it available to students across the University of Minnesota system. Sustainability courses from across the system have been included in the minor making it flexible and complementary to many majors. The proposed minor makes use of existing resources.

**II. Request for Approval of Changed Academic Programs**

**Carlson School of Management (Twin Cities campus)—Create a Global Medical Industry subplan in the M.B.A degree.**

The Carlson School of Management on the Twin Cities campus requests approval to create a Global Medical Industry subplan in the Master of Business Administration (M.B.A.) degree, effective fall 2021. Coursework and experiences for students selecting this primarily online

subplan option emphasize health sector development, delivery, and financing of care in a global environment. Students from North America, Asia and Europe will engage in the critical analysis of new medical technologies. A Global Medical Valuation Lab is the key feature and program capstone and provides a rich international experience for students. The subplan provides a focus on principles in finance, marketing, and applied economics combined with specialized business case courses in medical device, pharmaceuticals, health insurance and information technology.

**College of Continuing and Professional Studies (Twin Cities campus)—Deliver the M.P.S. in Applied Sciences Leadership completely online**

College of Continuing and Professional Studies on the Twin Cities campus requests approval to deliver the Master of Professional Studies in Applied Sciences Leadership completely online, effective spring 2021. This program was primarily online (80%) with a brief residency component but proposes to be a fully online Master's degree. 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.

**College of Design (Twin Cities campus)—Discontinue the Housing Studies subplan in the M.A., M.S. and Ph.D. degrees in Design**

The College of Design on the Twin Cities campus requests approval to discontinue the Housing Studies subplan in the Master of Arts (M.A.), Master of Science (M.S.), and Doctor of Philosophy (Ph.D.) degrees in Design, effective fall 2021. The request to discontinue is due to low enrollment and the programs are no longer accepting students in this subplan. The four students currently in the subplan will graduate by spring of 2021.

**College of Design (Twin Cities campus)—Create an Architecture subplan in the Ph.D. degree in Design**

The College of Design on the Twin Cities campus requests approval to create a subplan in Architecture in the Doctor of Philosophy (Ph.D.) degree in Design, effective fall 2021.

Architecture has become an increasingly research-based discipline and practice. An architecture subplan addresses the growing need to educate research-oriented architects and educators. The subplan proposal makes use of existing courses and resources.

**College of Food, Agriculture and Natural Resource Sciences (Twin Cities campus)—Create an Integrated Degree Program option in the B.S. and M.S. degrees in Applied Economics**

The College of Food, Agriculture and Natural Resource Sciences on the Twin Cities campus requests approval to create a B.S./M.S. Integrated Degree Program in the Bachelor of Science and Master of Science in Applied Economics degrees, effective fall 2021. The integrated B.S./M.S. provides preparation for students pursuing a career in applied economics and offers the opportunity to earn an undergraduate and graduate degree in five years.

**College of Food, Agriculture and Natural Resource Sciences and the Carlson School of Management (Twin Cities campus)—Create an Integrated Degree Program option in the B.S. degree in Agriculture and Food Business Management and M.S. degree in Applied Economics degree**

The College of Food, Agriculture and Natural Resource Sciences and the Carlson School of Management on the Twin Cities campus request approval to create a B.S./M.S. Integrated

Degree Program option in the Bachelor of Science(B.S.) degree in Agriculture and Food Management (a collaborative undergraduate degree offered via CFANS and CSOM) and the Master of Science (M.S.) degree (offered via CFANS) in Applied Economics, effective fall 2021. The integrated B.S./M.S. emphasizes education in applied economics and provides preparation for students wishing to pursue a career in agribusiness, and offers the opportunity to earn an undergraduate and graduate degree in five years.

**College of Liberal Arts, Humphrey School of Public Affairs, and the School of Public Health (Twin Cities campus)—Create a dual M.H.R./M.P.H degree**

The College of Liberal Arts, the Humphrey School of Public Affairs, and the School of Public Health on the Twin Cities campus request approval to create a dual Master of Human Rights (M.H.R.) degree and Master of Public Health Practice (M.P.H.) degree option, effective fall 2021. The Master of Human Rights is an existing interdisciplinary professional degree program of CLA and the Humphrey School that prepares students to enter or advance in careers in the field of international human rights with a course of study that combines education in critical thinking about human rights with professional level public policy courses. The Public Health Practice Master's Degree program educates professionals on public health principles, and practices in agencies and organizations that create, advocate, legislate, and administer health services and public health programs. There is demand for collaborative study in both fields. The proposed program builds on existing dual degree opportunities among the colleges and makes use of existing courses and resources.

**The College of Science and Engineering (Twin Cities campus)—Move the academic home of the Bioinformatics and Computational Biology Ph.D. and M.S. degrees and graduate minor from the Graduate School to the College of Science and Engineering**

The College of Science and Engineering on the Twin Cities campus in collaboration with the University of Minnesota Rochester campus requests approval to move the academic home of the Bioinformatics and Computational Biology graduate degree programs from the Graduate School to the College of Science and Engineering, effective fall 2020. The move includes the following degrees and minor:

- Master of Science (M.S.) degree in Bioinformatics and Computational Biology
- Doctor of Philosophy (Ph.D.) degree in Bioinformatics and Computational Biology
- Graduate Minor in Bioinformatics and Computational Biology Minor

The BICB program is a collaborative interdisciplinary graduate program supported by the University of Minnesota-Twin Cities and the University of Minnesota-Rochester. The College of Science and Engineering will replace the Graduate School as the degree-granting, academic authority for BICB with responsibilities for ensuring the quality, rigor, and integrity of the academic program and student experience. The University of Minnesota-Rochester will continue to act as the administrative authority and program site for the BICB program, providing primary staff support and administrative oversight for the program. Relocation of the academic home aligns with the restructuring of Graduate School degree program responsibilities in 2011.

**College of Veterinary Medicine (Twin Cities campus)—Deliver the Integrated Food Systems Leadership Post-baccalaureate Certificate fully online**

The College of Veterinary Medicine on the Twin Cities campus requests approval to deliver the Integrated Food Systems Leadership Post-baccalaureate Certificate completely online, effective

spring 2021. This program was previously primarily (80%) online. Fully online delivery allows the college to provide broader alternatives to current and prospective students.

**Medical School (Twin Cities campus) —Change name of the Renal Transplant Fellowship to the Transplant Nephrology Fellowship**

The Medical School on the Twin Cities campus requests approval to change the name of the Renal Transplant Fellowship to the Transplant Nephrology Fellowship, effective spring 2021. The change more accurately reflects the naming standards for the recognized specialty within the field as well within the program division.

**School of Public Health (Twin Cities campus) —Change name of the Management Fundamentals Post-baccalaureate Certificate to the Healthcare Management Post-baccalaureate Certificate.**

The School of Public Health on the Twin Cities campus requests approval to change the name of the Management Fundamentals Post-baccalaureate Certificate to the Healthcare Management Post-baccalaureate Certificate, effective spring 2021. The proposed name better reflects the healthcare market and more closely aligns with the Master of Healthcare Administration (M.H.A.) degree for those who may seek an advanced degree in the future.

**College of Liberal Arts (Duluth campus)—Deliver the M.T.A.G. degree fully online**

The College of Liberal Arts on the Duluth campus requests approval to deliver the Master of Tribal Administration and Governance (M.T.A.G.) degree completely online, effective fall 2021. The M.T.A.G. program was previously delivered primarily (80%) online. Program faculty and students have found the fully online delivery to be a more practical fit, allowing the college to provide broader alternatives to meet the needs of current and prospective students.

**College of Liberal Arts (Duluth campus)—Deliver the M.T.R.E.S degree fully online**

The College of Liberal Arts on the Duluth campus requests approval to deliver the Master of Tribal Resource and Environmental Stewardship (M.T.R.E.S.) degree completely online, effective fall 2021. The M.T.R.E.S. program was previously delivered primarily (80%) online. Program faculty and students have found the fully online delivery to be a more practical fit, allowing the college to provide broader alternatives to meet the needs of current and prospective students.

**Morris Campus—Create Green Sustainable subplan in the Chemistry B.A. degree**

The Morris Campus requests approval to create a Green Sustainable subplan in the Bachelor of Arts (B.A.) degree in Chemistry, effective fall 2021. The new subplan will be one of three subplan options in the Chemistry degree program. Coursework will emphasize green chemistry, biodiversity, and sustainable applications to global problems.

### **III. Request for Approval of Discontinued Academic Programs**

**College of Biological Sciences (Twin Cities campus)—Discontinue the graduate minor in Microbial Ecology**

The College of Biological Sciences on the Twin Cities campus requests approval to discontinue the graduate minor in Microbial Ecology, effective spring 2021. The request to discontinue is due to lack of student interest and enrollment. There are no current students pursuing this minor.

**College of Continuing and Professional Studies (Twin Cities campus)—Discontinue the graduate minor in Biological Sciences**

The College of Continuing and Professional Studies on the Twin Cities campus requests approval to discontinue the graduate minor in Biological Sciences, effective spring 2021. The request to discontinue is due to lack of enrollment. There are no current students pursuing this minor and admission has been closed.

**College of Design (Twin Cities campus)—Discontinue the Post-baccalaureate Certificate in Housing Studies**

The College of Design on the Twin Cities campus requests approval to discontinue the Post-baccalaureate Certificate in Housing Studies, effective fall 2021. The Design graduate faculty voted to formally discontinue the Housing Studies Post-baccalaureate Certificate program. The request to discontinue is due to lack of enrollment. There are no students currently pursuing this degree.