

**Public Review Period for the February 12-13, 2015 meeting  
of the Board of Regents of the University of Minnesota  
runs from January 12 - 23, 2015**

If your questions and concerns are not addressed after speaking with the program contact,  
please contact Emily Ronning in the Office of the Provost  
ronn0044@umn.edu or 612-626-8031

**PROGRAM CHANGES**

The College of Design on the Twin Cities campus requests approval to discontinue sub-plans in Retail Merchandising – General Emphasis and Retail Merchandising – Apparel Emphasis, effective fall 2015. This curricular change will allow more flexibility for students and will provide a more thorough understanding of the profession. Students enrolled in the sub-plans before their discontinuation will be allowed to continue with the previous requirements.

Program Contact: Elizabeth Bye (ebye@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to create a sub-plan in Science within the Master of Education (M.Ed.) in Teaching, effective summer 2015. The proposed sub-plan will contain the curriculum for all science-focused aspects of the Teaching M.Ed. as the requirements for all tracks are identical.

Program Contact: Kristina Pearson (pearson@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to create a sub-plan in Second Languages and Cultures within the Master of Education (M.Ed.) in Teaching, effective summer 2015. The proposed sub-plan will contain the curriculum for all language-focused aspects of the Teaching M.Ed. as the requirements for all tracks are identical.

Program Contact: Kristina Pearson (pearson@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to discontinue sub-plans in Chemistry, Earth Science, General Science, Life Science, and Physics within the Master of Education (M.Ed.) in Teaching, effective summer 2015. These sub-plans will be part of the Science sub-plan, previously listed in this docket.

Program Contact: Kristina Pearson (pearson@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to discontinue sub-plans in Arabic, Chinese, English as a Second Language, French, German, Hebrew, Japanese, Italian, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish within the Master of Education (M.Ed.) in Teaching, effective summer 2015. These sub-plans will be part of the Second Languages and Cultures sub-plan, previously listed in this docket.

Program Contact: Kristina Pearson ([pearson@umn.edu](mailto:pearson@umn.edu))

**Public Review Period for the May 7-8, 2015 meeting  
of the Board of Regents of the University of Minnesota**

If your questions and concerns are not addressed after speaking with the program contact,  
please contact Emily Ronning in the Office of the Provost  
ronn0044@umn.edu or 612-626-8031

**NEW PROGRAMS**

The Carlson School of Management on the Twin Cities campus requests approval to create a new Master of Science (M.S.) degree in Finance, effective summer 2016. The proposed program provides students with an advanced understanding of the tools and methods used in businesses and in financial markets. The program focuses on combining financial theory with quantitative and computational methods and real-world applications. Students who graduate from this one-year, full-time, graduate program will be able to analyze and interpret complex financial data and communicate its implication. The program makes use of many existing courses and resources.

Program Contact: Zuzana Hlavacova Gurung (zgurung@umn.edu)

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The Carlson School of Management on the Twin Cities campus requests approval to create a new Master of Science (M.S.) degree in Supply Chain Management, effective fall 2016. The proposed program provides students with an end-to-end view of supply chain and will develop both their strategic and analytical capabilities needed to manage supply chains. The hallmarks of this degree will include leadership development as a programmatic theme, global immersion, corporate social responsibility and the flexibility to focus on supply chain management in specific industry sectors that are foundational to the economy of the State of Minnesota. The program makes use of many existing courses and resources.

Program Contact: Zuzana Hlavacova Gurung (zgurung@umn.edu)

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The College of Continuing Education on the Twin Cities campus requests approval to create a new undergraduate minor in Health Services Management, effective fall 2015. This minor accompanies the recently created Bachelor of Science (B.S.) degree of the same name. The proposed program provides an option for undergraduate students who want to add a health services management concentration to their existing degree plan. Students will gain a conceptual understanding of business and management aspects of the health care industry along with analytical and problem-solving skills to apply that knowledge in a variety of settings. The minor makes use of existing courses and resources.

Program Contact: Bob Stine (rstine@umn.edu)

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The College of Continuing Education on the Twin Cities campus requests approval to create a new undergraduate certificate in Health Services Management, effective fall 2015. This certificate accompanies the recently created Bachelor of Science (B.S.) degree of the same

name. The proposed certificate provides an option for current members of the health services workforce who need additional credentials and content knowledge for career advancement. Students will gain a conceptual understanding of business and management aspects of the health care industry along with analytical and problem-solving skills to apply that knowledge in a variety of settings. The certificate makes use of existing courses and resources.

Program Contact: Bob Stine (rstine@umn.edu)

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The College of Design on the Twin Cities campus requests approval to create a graduate minor in Ecological Restoration in Landscape Architecture, effective spring 2015. This minor reflects a growing demand for education and training in restoration, conservation, and ecological design. Projects incorporating these topics are increasingly important parts of landscape architecture and natural resource management. The minor makes use of existing courses and resources.

Program Contact: Laurie Gardner (lgardner@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to create Master of Education (M.Ed.) degrees in Sport and Exercise Science, and Sport Management, effective fall 2015. These M.Ed. degrees were previously sub-plans within the Kinesiology M.Ed. that would be converted into stand-alone M.Ed. degrees. The proposed degree configuration meets student demand, as well as current curricular goals and alignment. The proposed degrees make use of existing courses and resources.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The Law School on the Twin Cities campus requests approval to create a Doctor of Juridical Studies (S.J.D.), effective fall 2015. The proposed program is intended for students who wish to carry on advanced legal study, produce original research, and eventually pursue a scholarly career teaching and researching law. There is a strong interest in this program from international students, broadening the global reach of the Law School. The program makes use of existing courses and resources.

Program Contact: Fred Morrison (morrison@umn.edu)

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The Law School on the Twin Cities campus requests approval to create a Master of Laws (LL.M.) degree in Patent Law, effective fall 2015. The proposed program is designed to provide advanced training and an additional credential for lawyers practicing or planning to practice in the areas of patent law and intellectual property law. The program makes use of existing courses and resources.

Program Contact: Chris Frank (fran0338@umn.edu)

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## **PROGRAM CHANGES**

The College of Biological Sciences on the Twin Cities campus requests approval to discontinue the sub-plan in Health Sciences within the Bachelor of Science (B.S.) degree in Biology, effective fall 2015. The program was originally intended to allow students to apply up to 30 credits (earned in professional school) toward the completion of an undergraduate biology degree. There has been very low demand for this program, and the program does not actually fulfill the current requirements of the general Biology B.S. degree.

Program Contact: Jane Glazebrook (jglazebr@umn.edu)

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The College of Design on the Twin Cities campus requests approval to change the name of the undergraduate minor in Design to Interdisciplinary Design, effective fall 2015. This name change better reflects the nature of the program, as well as the goals of the students.

Program Contact: Laurie Gardner (lgardner@umn.edu)

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The College of Design on the Twin Cities campus requests approval to discontinue the accelerated sub-plan within the Bachelor of Science (B.S.) degree in architecture, effective spring 2015. Curricular changes allow students to begin formal architecture courses earlier in their academic program, negating the need for an accelerated track.

Program Contact: Laurie Gardner (lgardner@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to discontinue the sub-plan in Counselling and Student Personnel Psychology within the Doctor of Philosophy (Ph.D.) degree in Educational Psychology, effective summer 2015. A thorough review of the program projected decreases in personnel and resources needed to maintain a high-quality degree program. Additional programs within the department can accommodate prospective students with similar interests. Students will be supported as they finish their degree programs. The department will provide coursework and advising, allowing students to finish in a timely manner.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to change the name of the post-baccalaureate certificate in Emerging Leaders in Independent Colleges to Emerging Leaders in Private Colleges, effective fall 2015. The proposed name change better represents curricular goals and alignment, as well as the population of students served by this degree program.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to change the name of the sub-plan in Second Languages and Cultures Education to Second Language Education within the Doctor of Philosophy (Ph.D.) and Master of Arts (M.A.) degrees in Education, Curriculum, and Instruction, effective fall 2015. The proposed name change better represents curricular goals and alignment.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to change the name of the sub-plan in Second Languages and Cultures Education to Second Language Education within the Master of Education (M.Ed.) degree in Curriculum and Instruction, effective fall 2015. The proposed name change better represents curricular goals and alignment.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to change the name of the sub-plan in Second Languages and Cultures to Second Language Education within the Master of Education (M.Ed.) degree in Teaching, effective fall 2015. The proposed name change better represents curricular goals and alignment.

Program Contact: Kristina Pearson (pearson@umn.edu)

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The College of Education and Human Development on the Twin Cities campus requests approval to discontinue sub-plans in Sport and Exercise Science and Sport Management within the Master of Education (M.Ed.) degree in Kinesiology effective fall 2015. These sub-plans will be converted into stand-alone M.Ed. degrees, as listed earlier in this document.

Program Contact: Brianne Keeney (keen0113@umn.edu)

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The College of Food, Agricultural, and Natural Resource Sciences on the Twin Cities campus requests approval to change the name of the Bachelor of Science (B.S.) degree and accompanying minor in Fisheries and Wildlife to Fisheries, Wildlife, and Conservation Biology, effective fall 2015. The proposed name is consistent with the new name of the department, as well as curricular goals and alignment.

Program Contact: James Perry (jperry@umn.edu)

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The College of Food, Agricultural, and Natural Resource Sciences on the Twin Cities campus requests approval to change the name of the undergraduate minor in Food Systems and the Environment to Food Systems, effective fall 2015. The proposed name of the minor is consistent with the name of the major, as well as curricular goals and alignment.

Program Contact: Tom Michaels (michaels@umn.edu)

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The College of Food, Agricultural, and Natural Resource Sciences on the Twin Cities campus requests approval to change the name of the Bachelor of Science (B.S.) degree in Bioproducts Marketing and Management to Sustainable Systems Management, effective fall 2015. The college also requests permission to change the names of the following sub-plans from Marketing and Management to Sustainable Products Business Management, and from Residential Building Science and Technology to Building Science and Technology. Finally, the college requests approval to create new sub-plans in Corporate Sustainability Systems, and Energy Systems. These revisions to the major respond to scientific and technological advances, meet social needs and student interests, and fulfill the Land Grant mission of developing the vocational, civic, and intellectual capacities of communities across the United States in the context of a new generation. The changes make use of existing courses and resources.

Program Contact: Susan Olsen (olsen005@umn.edu)

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The School of Public Health on the Twin Cities campus requests approval to create a sub-plan in Accelerated M.P.H. within the Masters in Public Health (M.P.H.) degree in Environmental Health, effective fall 2016. This sub-plan will accommodate students who wish to begin working on the aforementioned degree as they are finishing their undergraduate degree. The proposed program will be tied to relevant undergraduate degrees and requires no new resources.

Program Contact: Carol Francis (franc004@umn.edu)

### **DISCONTINUED PROGRAMS**

The School of Dentistry on the Twin Cities campus requests approval to discontinue the Bachelor of Science (B.S.) degree in Dental Therapy, effective summer 2015. In keeping with collegiate and national standards, the program will now be offered as a Masters in Dental Therapy (program in existence since 2011). There are no students currently enrolled in the program.

Program Contact: Amanda Nagy (atki0094@umn.edu)

**Material for the  
University of Minnesota Board of Regents  
Academic and Student Affairs Committee  
September 10, 2015**

**Consent Report**

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

▪ **Humphrey School of Public Affairs and College of Liberal Arts (Twin Cities campus)—Create Master of Human Rights (M.H.R.) degree**

The Humphrey School of Public Affairs and the College of Liberal Arts on the Twin Cities campus request approval to create a Master of Human Rights (M.H.R.) degree, effective fall 2016. The proposed program is a two-year interdisciplinary degree that prepares students to work in the field of human rights or to advance their knowledge and skills in the field. The proposed degree will equip graduate students with core professional and conceptual knowledge as well as the analytical tools necessary to operate in the field of human rights. The program also provides the in-depth academic and professional training needed for the specific human rights area in which students intend to practice. Students will follow a core curriculum that includes the study of human rights norms and law, methodology, critical views of human rights, and human rights policy that will provide them with the skills needed to address human rights problems.

*Contact: Mary Curtin (mtcurtin@umn.edu)*

▪ **College of Liberal Arts (Twin Cities campus)—Create B.A. degree in Statistical Practice and B.S. degree in Statistical Science**

The College of Liberal Arts on the Twin Cities campus requests approval to create a Bachelor of Arts (B.A.) degree in Statistical Practice and a Bachelor of Science (B.S.) degree in Statistical Science, effective fall 2015. The B.S. degree in Statistical Science is intended for students who express interest in graduate education in statistics or a related area. It shares a core sequence of applied statistics courses with the B.A. degree program in Statistical Practice, but with more mathematics coursework requirements. The B.A. degree in Statistical Practice is intended for students who want to use their education as certification for work requiring statistical skills or as a basis for further education in another area like medicine, psychology, law or others. These degrees will replace the B.S. and B.A. degrees in Statistics. The existing degrees will be proposed for discontinuation on a future docket.

*Contact: Nanette Hanks (nhanks@umn.edu)*

▪ **College of Liberal Arts (Twin Cities campus)—Create undergraduate minor in Health Psychology and provide for online delivery**

The College of Liberal Arts on the Twin Cities campus requests approval to create a minor in Health Psychology and provide for delivery of the minor online, effective fall 2015. The proposed minor prepares students for dealing with the behavioral components of health issues. This is a growing area of study and is highly relevant for pre-health science students,



health care professionals, and students pursuing human and social services. The minor will complement majors in areas pursued by students interested in health careers.

*Contact: Nanette Hanks (nhanks@umn.edu)*

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

- **Carlson School of Management (Twin Cities campus)—Create subplan for dual M.S./M.B.A. degree program in Business Analytics**

The Carlson School of Management on the Twin Cities campus requests approval to create a dual Master of Business Administration (M.B.A.) degree and Business Analytics Master of Science (M.S.) degree program, effective spring 2016. The proposed dual degree program will provide students with the skills and knowledge of how to harvest, process and analyze data to extract important insights, in addition to the skills and competencies provided by the traditional M.B.A. program. The proposed program comprises existing degrees.

*Contact: Patrick McCarthy (mccar390@umn.edu)*

- **Carlson School of Management (Twin Cities campus)—Create subplan for the Industry M.B.A. degree**

The Carlson School of Management on the Twin Cities campus requests approval to create a subplan for the Industry Master of Business Administration (M.B.A.) degree, effective spring 2016. The proposed one-year program is designed for working professionals to obtain the fundamental business knowledge crucial for leading careers in the complex, rapidly evolving and highly regulated healthcare, energy, technology and finance industries. The Industry M.B.A. will be delivered primarily online, with supplemental weekend face-to-face meetings. The proposed program comprises existing degrees.

*Contact: Patrick McCarthy (mccar390@umn.edu)*

- **School of Public Health (Twin Cities campus)—Create subplan for dual M.P.H./J.D. degree partnership with William Mitchell College of Law**

The School of Public Health on the Twin Cities campus requests approval to create a subplan for a joint degree partnership between the Master of Public Health (M.P.H.) in Public Health Administration and Policy and the Juris Doctor (J.D.) degree from William Mitchell College of Law. The proposed partnership allows students to construct a curriculum that will further their understanding of public health policy. The proposed partnership is comprised of existing degrees, and makes use of existing courses and resources.

*Contact: Donna McAlpine (mcalp004@umn.edu)*

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

- **College of Science and Engineering (Twin Cities campus)—Discontinue the graduate minor in Nanoparticle Science and Engineering**

The College of Science and Engineering on the Twin Cities campus requests approval to discontinue the graduate minor in Nanoparticle Science and Engineering, effective fall 2015. Student interest in the minor has decreased to the point that there are currently no students enrolled.

*Contact: Jill Johnson (jill@umn.edu)*

**University of Minnesota Board of Regents  
Academic and Student Affairs Committee  
October 8, 2015**

**Consent Report**

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

▪ **College of Science and Engineering (Twin Cities campus)—Create graduate minor in Cyber Security**

The College of Science and Engineering on the Twin Cities campus requests approval to create a graduate minor in Cyber Security effective fall 2015. The proposed program integrates the fields of technology, security, and management to provide students with the skills and insights to assume a leadership role in cyber security and its role in complex organizations. The curriculum applies fundamental concepts of business management, organizational leadership, and risk management techniques and strategies, each as applied in the context of cyber security, to empower engineering, technology and business professionals to adapt and lead in the field of cyber security.

*Contact: Damian Damiani (damian@umn.edu)*

▪ **Medical School (Twin Cities campus)—Create residency in Interventional Radiology**

The Medical School on the Twin Cities campus requests approval to create a residency in Interventional Radiology, effective summer 2017. Program fellows will acquire the necessary skills and knowledge to gain expertise in the diagnosis and treatment of medical conditions via radiological and other imaging technologies. Trainees can complete this residency in an independent, two-year format, or via an integrated five-year program.

*Contact: Karla Hemesath (hemes002@umn.edu)*

▪ **Medical School (Twin Cities campus)—Create fellowship in Pediatric Hospital Medicine**

The Medical School on the Twin Cities campus requests approval to create a fellowship in Pediatric Hospital Medicine, effective summer 2016. The two-year program provides fellows with the necessary skills and knowledge for excellence in evidence-based practices in hospital care, standardized care, procedural care, and scholarly productivity relevant to the hospital setting.

*Contact: Karla Hemesath (hemes002@umn.edu)*

## II. Request for Changes to Academic Programs

- **College of Food, Agricultural and Natural Resource Sciences (Twin Cities campus)—Change name of Ph.D., M.S., and minor degrees in Conservation Biology to Conservation Sciences**

The College of Food, Agricultural and Natural Resource Sciences on the Twin Cities campus requests approval to change the name of the Doctor of Philosophy (Ph.D.) and Master of Science (M.S.) degrees, as well as the minor in Conservation Biology to Conservation Sciences, effective fall 2016. Conservation biology does not adequately cover the scope of research performed by faculty and students. Conservation Sciences has emerged as the most appropriate way to encompass the work done in this discipline and is increasingly used by universities, governmental agencies, and other organizations.

*Contact: Andrew Simons (asimons@umn.edu)*

- **College of Science and Engineering (Twin Cities campus)—Create subplan for dual M.S./B.Env.E. degrees in Civil Engineering and Geoengineering**

The College of Science and Engineering on the Twin Cities campus requests approval to create a dual Bachelor of Environmental Engineering (B.Env.E.) and Master of Science (M.S.) degree, effective fall 2015. The proposed dual degree will be a partnership between the B.Env.E. degree (for which there is no master's degree) and the M.S. degree in either Civil Engineering or GeoEngineering.

*Contact: Jill Johnson (jill@umn.edu)*

- **School of Dentistry (Twin Cities campus)—Create a dual degree program in Dental Hygiene (B.S.) and Dental Therapy (M.S.)**

The School of Dentistry on the Twin Cities campus requests approval to create a dual degree between the Bachelor of Science (B.S.) in Dental Hygiene and the Master of Science (M.S.) in Dental Therapy, effective fall 2016. The proposed dual degree program will be a partnership between the aforementioned existing degree programs and is a direct response to the expressed needs of graduates, and the dental workforce. The proposed program will provide students with all the coursework needed for state licensure as a hygienist and an advanced dental therapist.

*Contact: Christine Blue (bluex005@umn.edu)*

**University of Minnesota Board of Regents  
Academic and Student Affairs Committee  
December 10, 2015**

**Consent Report**

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

- **College of Continuing Education (Twin Cities campus)—Create Master of Professional Studies degree in Addictions Counseling**

The College of Continuing Education on the Twin Cities campus requests approval to create a Master of Professional Studies (M.P.S.) in Addictions Counseling, effective summer 2016. The proposed program expands the current post-baccalaureate certificate into a Master's degree that would include all licensing requirements. The curriculum includes specific licensure preparation content in the following areas: evidence based practices and evaluation, individual and group counseling skills, professional ethics, diversity and cultural sensitivity, co-occurring assessment and treatment interventions, and an applied field placement experience. The proposed program fulfills Minnesota's Licensed Alcohol and Drug Counselor educational requirements.

*Contact: Bob Stine (rstine@umn.edu)*

- **Medical School (Twin Cities campus)—Create fellowship in Advanced Neuroradiology**

The Medical School on the Twin Cities campus requests approval to create a fellowship in Advanced Neuroradiology effective summer 2016. The one-year program provides fellows with a deeper understanding of both normal anatomic and physiologic development and the pathologic basis of disease entities in an area of subspecialty interest within this varied and complex field. Fellows will achieve an in-depth understanding of disease entities, including their pathologic basis, clinical symptomology, and imaging manifestations.

*Contact: Karla Hemesath (hemes002@umn.edu)*

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

- **Carlson School of Management and College of Food, Agricultural, and Natural Resource Sciences (Twin Cities campus)—Create subplan for dual M.S./M.B.A. degree program in Applied Economics**

The Carlson School of Management and the College of Food, Agricultural, and Natural Resource Sciences on the Twin Cities campus requests approval to create a dual Master of Business Administration (M.B.A.) degree and Applied Economics Master of Science (M.S.) degree program, effective spring 2016. The proposed dual degree program will provide students with the skills and knowledge of how to harvest, process and analyze data to extract important insights, in addition to the skills and competencies provided by the traditional M.B.A. program. The proposed program comprises existing degrees.

*Contact: Patrick McCarthy (mccar390@umn.edu)*

- **College of Food, Agricultural, and Natural Resource Sciences (Twin Cities campus)—Create sub-plans in Conservation Science within the M.S. and Ph.D. programs in Conservation Sciences**

The College of Food, Agricultural, and Natural Resource Sciences on the Twin Cities campus requests approval to create sub-plans in Conservation Science within the Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) degrees in Conservation Sciences, effective fall 2015. The new sub-plan reflects curricular changes that align with the program name change approved by the Board at the October 2015 meeting. The new sub-plan provides a curricular option for students interested in the interface of population, species, and ecosystem biology with disciplines of social sciences, education, economics, and law.

*Contact: Andrew Simons (asimons@umn.edu)*

- **Medical School (Twin Cities campus)—Change the name of the Procedural Dermatology Fellowship to Micrographic Surgery and Dermatologic Oncology Fellowship**

The Medical School on the Twin Cities campus requests approval to change the name of the Procedural Dermatology Fellowship to Micrographic Surgery and Dermatologic Oncology Fellowship, effective fall 2015. The proposed name change is due to the official designation change mandated by the Accreditation Council for Graduate Medical Education (ACGME).

*Contact: Karla Hemesath (hemes002@umn.edu)*

- **Medical School (Twin Cities campus)—Change the name of the Advanced Catheterization Fellowship to Structural Heart Diseases and Advanced Interventional Cardiology Fellowship**

The Medical School on the Twin Cities campus requests approval to change the name of the Advanced Catheterization Fellowship to Structural Heart Diseases and Advanced Interventional Cardiology Fellowship, effective fall 2015. The proposed name change better reflects the fellows' experience.

*Contact: Karla Hemesath (hemes002@umn.edu)*

- **School of Public Health (Twin Cities campus)—Discontinue Plan A sub-plan within the Health Services Research, Policy, and Administration the M.S. degree.**

The School of Public Health on the Twin Cities campus requests approval to discontinue the Plan A sub-plan within the Master of Science (M.S.) degree in Health Services Research, Policy, and Administration, effective spring 2016. The Plan A, thesis-only option was not meeting the needs of students in the program. All students in this degree program will now complete a Plan B project that will combine capstone experiences and independent research.

*Contact: Carol Francis (franc004@umn.edu)*