Graduate Record 91B

August 2024

GRADUATE COUNCIL MEMBERSHIP 2023-2024

Patrick J. Bateman Management WCBA Grad Program Director Christopher Bellas Criminal Justice BCHHS CGS Committee

Joseph Carcucci Dana School of Music CCCA Grad Program Director

Lauren Cummins Teacher Education BCLASSE CGS Committee

Jake Protivnak Counseling BCLASSE Grad Program Director

Kendra Fowler Marketing WCBA CGS Committee

Douglas Genna Chemistry STEM Grad Program Director

J. Paul Louth Dana School of Music CCCA CGS Committee

Valerie O’Dell Nursing BCHHS Graduate Program Director

Jake Protivnak Counseling BCLASSE Grad Program Director

Sal Sanders Dean of Graduate Studies

Virgil Solomon Mech and Indus Eng STEM CGS Committee

Carlie Geyer Student Representative

Vincent Hepola Student Representative

Graduate Council Chair: Douglas Genna

Graduate Council Secretary: Kendra Fowler

Graduate Curriculum Committee Chair: Virgil Solomon

Exceptions Chair- Sal Sanders

Grievance Committee Rep: Christopher Bellas

Admission and Appeals Chair: J. Paul Louth

Not active: Policy Committee Chair

Not active: Assistantship Allocation Chair

Not active: Graduate Recruitment & Retention Chair

Graduate Curriculum Committee Chair— Virgil Solomon, Mechanical Engineering

 Joseph Carucci, Dana School of Music

Daniel Ayana, History

M. Kathleen Cripe, Teacher Education

Christopher Bellas, Criminal Justice

Ying Wang, Marketing

Colleen Richardson, Student Representative

Judin Balella, Student Representative

Admission and Appeals Committee Chair-- J. Paul Louth

 membership: Feng George Yu

 Karen Larwin

 Rebecca Curnalia

 Nino Shubitidze, Julia Carson, Student Representatives

Exceptions Committee Chair—Sal Sanders

 membership: Douglas Genna, Chemistry (Graduate Council Chair)

Virgil Solomon, Mechanical Engineering (Graduate Curriculum Committee Chair)

Graduate Studies Student Advisory Council:

WCBA: Judin Balella, Alisha Dodge, Isidora Sisic, Trey Turner

STEM: Vincent Hepola, Nikita Mehata

BCHHS: Nino Shubitidze

BCLASSE: Julia Carson, Colleen Richardson

CCCA: Carlie Geyer, Peter Sapkowski

**GRADUATE COUNCIL POLICY CHANGES 2023-2024**

IUT change to specialization procedure:

A change was made to the Intra University Transfer (IUT) procedure for changes in specialization within the same degree. To ease processing and decrease time for approval the Dean of the Graduate College’s approval will no longer be required.

Provisional admission permitted for GA appointments:

The policy prohibiting provisional admitted students from being offered a Graduate Assistant appointment was removed.

Certificates required to have one half of requirements are 6900-level or higher:

Similar to our graduate degree requirements, graduate certificates must be comprised of at least one half 6900-level or higher.

Minimum GA enrollment-full time:

The minimum enrollment requirement for Graduate Assistants was changed to 6 hours (Full time status for a graduate student is 6 hours).

Revision of criteria to maintain Graduate Scholarship:

The criteria were removed to achieve a 3.0 or higher cumulative GPA in order to maintain the scholarship.

**EXCEPTIONS COMMITTEE REPORT to Graduate Council 2023-24**

Exceptions Committee Report to Graduate Council for September 2023

 Exceptions Committee Report to Graduate Council for June, July, and August 2023

The members of the Graduate Council Exceptions Committee unanimously approved an exception to the admission requirements for the Master of Business Administration (MBA) as requested by Dr. Bateman. This exception allowed an applicant to be admitted provisionally to the MBA program with a cumulative undergraduate GPA of less than 2.5. This applicant had extensive work experience.

The members of the Graduate Council Exceptions Committee unanimously approved an exception to the requirements for admission to the Ph.D. in Materials Science & and Engineering program. This exception allowed an applicant to be admitted to the Ph.D. in Materials Science & Engineering program without taking the GRE.

Exceptions Committee Report to Graduate Council for April 2024

The members of the Exceptions Committee unanimously approved an exception to admission requirements allowing admission to the Doctor of Physical Therapy program without the need to take the GRE.

The applicant had completed an MBA suggesting continued success at the graduate level. The DPT admissions committee supported the exception. Additionally, the GRE requirement will no longer be an admission requirement.

**ADMISSION AND APPEALS COMMITTEE REPORT 2023-2024**

Admission and Appeals Committee Report to Graduate Council for September 2023:

There were (3) three appeals for academic suspension. The first appeal was from a student in the Master of Nursing, and the program did not support the appeal. After deliberating, two appeals of academic suspension from students in the MBA program, the Committee granted these appeals. A fourth academic suspension is under review. There were two appeals approved for admission from non-regionally accredited undergraduate institutions to allow the applicants to move through the admission process.

Admission and Appeals Committee Report to Graduate Council for October 2023:

The Admission Appeals Committee completed the review of an MBA (Master of Business Administration) academic suspension appeal. The program was in support and the Committee granted the appeal.

Admission and Appeals Committee Report to Graduate Council for November 2023:

The November 2023 meeting of the Admission and Appeals Committee included the review of an MBA academic suspension appeal. The program was in support and the committee granted the appeal. They now have two student representatives on their committee.

Admission and Appeals Committee Report to Graduate Council for January 2024:

The Admission and Appeals Committee heard an appeal of academic suspension from a student in the Doctor of Physical Therapy program. After weighing the program’s position and the student’s position, the Appeals Committee denied the appeal.

There was a request to review an appeal of admission to the Master of Respiratory Care program from a non-regionally accredited undergrad institution: St. Louis College of Health Careers. The committee approved the appeal and allowed the applicant to move through the admission process.

Admission and Appeals Committee Report to Graduate Council for February 2024:

The Admission and Appeals Committee heard two appeals of the Graduate College Scholarship. The first student appealed the discontinuation of the scholarship due to required prerequisite courses that resulted in less graduate hours enrolled. The second student appealed the discontinuation of the scholarship due a low GPA as the result of a medical condition. Both of these appeals of scholarship were approved and the scholarships were reinstated.

**GSAC REPORT 2023-2024**

The Graduate Student Advisory Council met in both fall and spring terms. The group served on Council Committees and evaluated the Diversity of Scholarship proposals.

**CURRICULUM COMMITTEE REPORT 2023-2024**

**Admission Changes 2023-2024**

Master of Science in Engineering in Civil and Environmental Engineering. Addition of a Combined Bachelor’s/Master’s Program option. Admission change.

Master of Business Administration. Change of required GMAT score for provisional pathway from 500 to 450. (Admission change).

Doctor of Physical Therapy. Replacing PHYT 8942 with PHYT 8950. Removal of GRE as admission requirement. (Change to program requirements and admission requirements).

Master of Science in Education, Curriculum and Instruction. Digital Teaching and Learning will permit exception in place of teaching license. Literacy and Teacher Leader will require teaching license. (Change of Admission Requirements.)

**New Graduate Courses 2023-2024**

EDAD 7070A Clinical Experience in Higher Education. Higher Education Internship is an intensive, 120 hour supervised internship designed to expand students’ professional skills, awareness, reflective abilities, and capacity for leadership. The internship is completed under the mentorship of an accomplished on-site administrator in conjunction with a university supervisor. The internship involves the completion of a Higher Education Change Project keyed to a series of competencies aligned with the Professional Competency Areas for Student Affairs Educators as adopted by both NASPA (Student Affairs Administrators in Higher Education) and ACPA (College Student Educators International). Candidates participate actively in a Virtual Clinical Learning Community and share their clinical experiences with other administrative candidates at geographically-dispersed and demographically-diverse institutions. Finally, they develop a Comprehensive Competency Report that they can elect to fashion into Administrative Portfolios documenting her or his clinical activities and the administrative and leadership lessons learned. 1 s.h. (Add a new 7000 level course.)

EDAD 7070B Clinical Experience in Higher Education. Higher Education Internship is an intensive, 120 hour, over three 7-week sessions, supervised internship designed to expand students’ professional skills, awareness , reflective abilities, and capacity for leadership. The internship is completed under the mentorship of an accomplished on-site administrator in conjunction with a university supervisor. The internship involves the completion of a Higher Education Change Project keyed to a series of competencies aligned with the Professional Competency Areas for Student Affairs Educators as adopted by both NASPA (Student Affairs Administrators in Higher Education) and ACPA (College Student Educators International). Candidates participate actively in a Virtual Clinical Learning Community and share their clinical experiences with other administrative candidates at geographically-dispersed and demographically-diverse institutions. Finally, they develop a Comprehensive Competency Report that they can elect to fashion into Administrative Portfolios documenting her or his clinical activities and the administrative and leadership lessons learned. 1 s.h. (Add a new 7000 level course.)

EDAD 8105 Research Methods for the Practitioner. Research Methods for the Practitioner is an essential course designed for educators, administrators, and research practitioners seeking to enhance their research competency. The course is focused on providing practitioners with knowledge, skills, and resources to apply research-based practices in educational contexts. This course will enable students to think critically about research processes, develop a better understanding of scholarly research literature, and enhance their research literacy. By taking this course, students will gain insights into how research is conducted, evaluated, and used to inform decision making within their field. The course emphasizes practical application and hands-on experience, enabling students to develop a research plan, conduct data collection, and analyze and interpret research findings. As such, this course is an essential resource for practitioners seeking to improve their research skills and contribute to evidence-based practices within their educational contexts. 3 s.h. (Add a new 8000 level course.)

EDAD 8114 Applied Case Study Methodology. A course designed to acquaint students with qualitative inquiry. Focuses on philosophical and historical roots of investigation in institutional and social settings, with an emphasis on qualitative research methodology, techniques of exploring data, guided practice, ethical and social issues. 3 s.h. (Add a new 8000 level course.)

EDAD 8115 Evidence, Research and Program Evaluation. Evidence, Research, and Data in Program Evaluation is designed for practitioners seeking to enhance their understanding of Program Evaluation and Data Mining methods. Students will explore quantitative research design, sampling strategies, initial research category formation, and data coding methods. The course will also utilize statistical tools, such as regression analysis, to demonstrate how data can be collected to form statistically significant conclusions. Throughout the course, students will examine a variety of case studies from the field of education to provide practical applications for the topics covered. By the end of the course, students will be equipped with applied research methods that can be used when engaging with stakeholders or evaluating programs within their own organization. 3 s.h. (Add a new 8000 level course.)

EDAD 8126 Legal Issues in Higher Education. This course explores legal issues and principles that guide the administration of higher education. Students will examine significant issues and trends, past and present, in higher education law to understand the legal environment in which colleges and universities operate. Topics will include academic freedom, student rights (including Title IX), and student conduct. 3 s.h. (Add a new 8000 level course.)

EDAD 8141 History of Higher Education. A course that examines the historical development of post-secondary education in the United States. The purpose of the course is to identify how higher educational institutions have been utilized and situated throughout American history with special attention given to locating the historical context and source of the promise and problems associated with contemporary American higher education. 3 s.h. (Add a new 8000 level course.)

EDAD 8143 Higher Education Finance & Policy. This course examines the roles of the state and federal government, governing boards, local administrations, and other parties in shaping public policy in higher education. The course will also provide an overview of financial resource management at the institutional level, including the following: budgeting and planning for needs; cost and benefit analysis; public and private grants and gifts; and budget control strategies. 3 s.h. (Add a new 8000 level course.)

EDAD 8144 Assessment and Evaluation in Higher Education. This course provides an overview of assessment practices to ensure accountability and inform continuous improvement. Emphasis will be placed on curriculum-based assessment of learning outcomes, measures to improve teaching and learning, and the use of formative and summative evaluation strategies in educational decision-making. 3 s.h. (Add a new 8000 level course.)

EDAD 8147 Diversity & Equity in Higher Education. This course is designed to engage students with a critical perspective regarding issues of diversity and equity across higher education. This course will cover the development and acceptance of critical theory in higher education as it applies to race/ethnicity, class, gender, sexuality as well as other expressions of diversity. 3 s.h. (Add a new 8000 level course.)

SCWK 5826 Child Welfare and Case Planning. This course provides the knowledge, concepts, and skills needed for beginning level social work practice in public and child welfare settings. Major focus is on protecting at-risk children by strengthening, supporting and empowering families. 3 s.h. (Add a new swing level course.)

SCWK 5827 Child Welfare Permanency Planning. Provides the knowledge, concepts, and skills needed for beginning level social work practice in public child welfare settings. Major focus is on the developmental needs and permanency planning associated with at-risk children served by the child welfare system. 3 s.h. (Add a new swing level course.)

PHYT 8950 Therapeutic Exercise. Provides a wide variety of therapeutic exercises and integrates key principles of exercise physiology with clinical application to several movement impairment diagnoses. Engages in exercise prescription, progression, regression, and modification strategies, through lecture, discussion, and lab. Content will include synthesizing therapeutic exercise principles with patient specific factors related to the components of the ICF-model. Students will have an opportunity to design and carry-through exercise programs for a

CSCI 5858. Blockchain and Cryptocurrency Technologies. This course introduces the fundamentals and mechanics of blockchain and cryptocurrency. Topics include an introduction to basic cryptography and cryptocurrencies, decentralization and mechanism of bitcoin, storage and transactions of bitcoin, mining of bitcoin, and regulation, platforms, and applications of bitcoin. 3 s.h. Prereq.: Senior or graduate student. (Add a new swing course.)

CSIS 5825. Natural Language Processing. This course will explore the field of NLP (Natural Language Processing) as it is concerned with the theory and practice of modern AI. It covers major concepts of NLP. It presents important algorithms, methods, structures, and techniques required to construct natural language interfaces for software agents and physical agents. It introduces students to important approaches necessary to build practical, useful, and interesting systems that require natural language processing, interfaces, and models. Prereq.: CSCI 3710, CSCI 5835, CSCI 5870, or CSIS 5824. 3 s.h. (Add a new swing course.)

PHIL 6926. Data Ethics. In the very early days of computing, there is an expression that is generally attributed to William Mellin: “garbage in, garbage out”. As many are aware the phrase loosely denotes that what comes out of the computer process is only as good as what goes into the machine. While some outputs may be seen as trivially bad, others carry with them substantial moral harm. The way data is collected and processed has real-world ethical implications. In this course, we examine the ways data can have unintended moral consequences in the hopes of avoiding these errors in the future. 3 s.h. (Add a new 6900 level course.)

CMST 6996 Thesis 2. Research study on an applied communication topic. Oral presentation required. Total of 6 s.h. required for the MA thesis option. For thesis option students only. Non-thesis option students should take CMST 6994: Capstone. Prerequ.: Completion of the MA core courses AND CMST 6995 3 s.h. (Add a new 6900 level course).

CMST 6997 Thesis 3. Research study on an applied communication topic. Oral presentation required. Total of 6 s.h. required for the MA thesis option. For thesis option students only. Non-thesis option students should take CMST 6994: Capstone. Prereq.: Completion of the MA core courses AND CMST 6995 and CMST 6996. 1-3 s.h. (Add a new 6900 level course).

CSCI 6955 Transformers Large Language and Vision Models. A comprehensive course about Transformer-based models. This course covers the inner workings of large language models such as GPT and BERT, and vision transformers such as ViT. Learn their architectures, applications, and how they revolutionize AI in language understanding and image processing. Hands-on projects and case studies will deepen your practical knowledge of these cutting-edge technologies. Prereq.: CSCI 6952 with a grade of C or better. 3 s.h. (Add a new 6900 level course).

CSIS 5723 Networking Concepts and Administration. Overview of electronic communications concepts and technologies, with emphasis on Local Area Networks. Network topologies, design, administration, installed applications, and performance monitoring. Privacy, ethical and legal concerns. Prereq.: Enrollment in Computer Science Endorsement Program. Cross listed: CSIS 3723. 3 s.h. (Add a new swing course)

CSIS 5755 Information Assurance. Confidentiality, integrity, and authenticity of information. Methods of controlling access to electronic data, enforcing security policies, protecting against malicious attacks (including web site attacks), intrusion detection, and disaster recovery. Prereq.: Enrollment in Computer Science Endorsement Program. Cross listed: CSIS 3755. 3 s.h. (Add a new swing course)

CSIS 6902 Computing in Education. The course covers methods for fostering an inclusive computing culture and designing inclusive learning environments within the field of computer science. It delves into various topics, including effective collaboration and communication surrounding computing concepts. Additionally, it focuses on the creation of inclusive, accessible computer science learning environments tailored for K-12 grade levels, emphasizing implementation and delivery while considering diversity and inclusivity. Prereq.: Enrollment in Computer Science Endorsement Program. 3 s.h. (Add a new 6900 level course)

CSIS 6903 Practicum & Portfolio. Seminar related to the practicum for work-related experience in teaching CS. 50 hours of field experience in teaching computer science concepts. This can be completed in K-12 setting or in an introductory computer science course at a college or university. Prereq.: Enrollment in Computer Science Endorsement Program. 2 s.h. (Add a new 6900 level course)

ECEN 5820 Function, Design, and Application of Medical Imaging Systems. Introduction to the Physics, Instrumentation, Image Processing Methods used in common medical imaging modalities. Systems covered include X-Ray, CT, Ultrasound, MRI, nuclear medicine, and fluorescence. Primary foci will be system construction as well as image reconstruction and processing. Students will engage in limited hands-on image acquisition and code-based processing. Prequ.: PHYS 2611 or ECEN 3741. 3 s.h. (Add a new swing level course).

BIOL 6914 Hormones & Behavior. A comparative study of the hormone-behavior interactions in animals. Topics include endocrine signaling, homeostasis and behavior, and neuroendocrine control of reproductive and social behavior. Prereq.: BIOL 3711 or BIOL 3730, or permission of instructor. 3 s.h. (Add a new 6900 level course.)

PHLT 5807 Epidemiology. A study of the interrelationships of the host, agent, and environment in determining the causation, frequency, and distribution of disease. This is an online course. Prerequ.: None. 3 s.h. (New Swing-level course.)

**Deleted Graduate Courses 2023-2024**

ECON 6900 Statistical Problems. Course deactivation. (Informational item).

ECON 5809 Current Problems in Money, Banking, and Financial Markets. Course deactivation. (Informational item).

ECON 5831 Labor Markets and the Economics of Unions. Course deactivation. (Informational item).

ECON 5843 Economics of Poverty, Transfers and Discrimination. Course deactivation. (Informational item).

ECON 5853 Applied Econometrics. Course deactivation. (Informational item).

ECON 6904 Quantitative Methods for Economics. Course deactivation. (Informational item).

FIN 6902 Financial Accounting and Finance for Decision Making. Course deactivation. (Informational item).

FIN 6912 Financial Statement Analysis. Course deactivation. (Informational item).

ACCT 6971 Regulation Theory Review and Practice. Course deactivation. (Informational item.)

ACCT 6972 Audit Theory Review and Practice. Course deactivation. (Informational item.)

ACCT 6973 Business Environment & Concepts Theory Review and Practice. Course deactivation. (Informational item.)

ACCT 6974 Financial Accounting Theory Review and Practice. Course deactivation. (Informational item.)

MATH 5825 Advanced Linear Algebra. Course deactivation. (Informational item.)

MATH 5852 Real Analysis 2. Course deactivation. (Informational item.)

ACCT 6968E. Special Topics in Accounting State and Local Taxes. Course deactivation. (Informational item).

ACCT 6970. Capstone Experience. Course deactivation. (Informational item).

FIN 6910. Business Internship. Course deactivation. (Informational item).

MGT 6910. Business Internship. Course deactivation. (Informational item).

MGT 6910A. Business Internship Advanced. Course deactivation. (Informational item).

PHYT 8942. Mental and Behavioral Aspects of Healthcare. Course deactivation. (Informational item).

ACCT 6910 Business Internship. Course deactivation. (Informational item).

CMST 5898V Seminar Personal Brand & NIL. Course deactivation. (Informational item).

ENST 6910 Environmental Management Systems Standards. Course deactivation. (Informational item).

ACCT 6968 Special Topics in Accounting. Course deactivation. (Informational item)

**Changes to Graduate Courses 2023-2024**

ALCS 6905 Social Gerontology. Change of course prefix GERO.

ALCS 6906 Perspectives in Gerontology. Change of course prefix GERO.

COUN 6973 Group Counseling Theory and Practice. Change of prerequisite. (Informational Item.)

NURS 7049 Family Nurse Practitioner 2 Practicum. Change of prerequisite and semester hour. (Informational Item.)

NURS 7050 Family Nurse Practitioner 3 Practicum. Change of prerequisite and semester hour.

NURS 7051 Family Nurse Practitioner 4 Practicum. Change of prerequisite and semester hour.

CMST 5852 Conflict Management and Negotiation. Change in short title to: Conflict Manage & Negotiation

CSCI 5801 Software Engineering. Change of prerequisite. (Informational item.)

CSCI 5870 Data Structures and Algorithms. Change of prerequisite. (Informational item.)

CSCI 6920 Theory and Practice of Information Systems. Change of prerequisite. (Informational item.)

CSCI 6950 Advanced Database Design and Administration. Change of prerequisite. (Informational item.)

CSCI 6952 Deep Learning. Change of prerequisite. (Informational item.)

CSCI 6951 Data Science and Machine Learning. Change of prerequisite. (Informational item.)

CSCI 6962 Server-Side Web Development and Programming. Change of prerequisite. (Informational item.)

CSCI 6970 Biometrics. Change of prerequisite. (Informational item.)

CSCI 6971 Cloud Computing and Big Data. Change of prerequisite. (Informational item.)

CSCI 6991 Data Engineering Capstone. Change of prerequisite. (Informational item.)

CSIS 5828 Computer Network Security. Change of prerequisite. (Informational item.)

MATH 6955 Advanced Differential Equations. Change of prerequisite. (Informational Item.)

ECON 6939. The Economics of Financial Markets and Institutions. Change of prerequisite. (Informational Item.)

ECON 6970. Economics Internship. Change of prerequisite. (Informational Item.)

ECON 6976. Econometrics. Change of prerequisite. (Informational Item.)

MUIN 5878. Special Topics in Music Industry. Change of prerequisite. (Informational Item).

EDAD 8195 Seminar in Educational Research: Dissertation: Results & Discussion. Change of prerequisite and repetition. (Informational Item.)

EDAD 8196 Seminar in Educational Research: Dissertation Defense. Change of prerequisite and repetition. (Informational Item).

CHEM 6991K Special Topics Organometallics. Change of course hours from 1-3 to 3.

CMST 5898G Seminar Multicultural Communication in the Classroom. (Change in option to allow repetition).

CMST 5898P Seminar Streaming Video and Content Creation. (Change in option to allow repetition).

CMST 5898R Seminar Furries, Hipsters and Gangs: Subcultures in America. (Change in option to allow repetition).

CMST 5898S Seminar Political Communication. (Change in option to allow repetition).

CMST 5898T Seminar Women in Media. (Change in option to allow repetition).

CMST 5898U Seminar Greece Study Abroad. (Change in option to allow repetition).

CMST 6900 Survey of Communication Graduate Studies. (Change of course title).

CMST 6957 American Corporate Culture. (Change of course title).

CMST 6970 Communication Internship. (Change of course title).

CMST 6980 Qualitative Research Methods. (Change of course title).

CMST 6990 Quantitative Research Methods. (Change of course title).

CMST 6995 Thesis. (Change in course hours).

CSIS 5884 Building Scalable Networks and Advanced Internetwork Troubleshooting. Change of prerequisite and repetition. (Informational Item).

ECON 5822 Crime and Urban Economic. This course will draw upon economic models and theories and use the tools of economics to analyze problems of urban areas with an emphasis on the economics of crime, drugs, and incarceration. Topics include the causes of the growth or decline in cities, the theory of location, agglomeration, housing, segregation, suburbanization, and auto congestion. 3 s.h. (Change in course title and course description).

ECON 6912 Microeconomic Theory. This course provides comprehensive coverage of microeconomic issues by analyzing applications of the theory. This includes study of demand and supply, theory of behavior of consumers and firms, choice under uncertainty, partial equilibrium analysis of various market structures, and Pareto efficiency. The course will focus on applications of the theory through current applied economic research peer reviewed articles. (Change in course description).

ECON 6915 Health Care Analytics. In this course we will learn skills necessary to analyze and interpret healthcare data to improve evidence-based decision-making, patient outcomes, and overall healthcare system performance. Topics include data management, exploratory data analysis (EDA), predictive modelling and model evaluation as it relates to various health care data. We also learn about the main issues that plague the healthcare markets in the US. Prereq.: None. 3 s.h. (Change in course title, prerequisite and course description).

ECON 6990 Special Topics in Economics. Change in option to allow one repetition.

EDAD 8191 Seminar in Educational Research--Dissertation: Review of Literature. Change of prerequisite and repetition. (Informational Item).

EDAD 8192 Seminar in Educational Research: Introduction & Proposal Defense. Change of prerequisite and repetition. (Informational Item).

EDAD 8193 Seminar in Educational Research--Dissertation: Methodology. Change of prerequisite and repetition. (Informational Item).

EDAD 8194 Seminar in Educational Research – Dissertation: Data Collection & Analysis. Change of prerequisite and repetition. (Informational Item).

FIN 6968 Special Topics in Finance. Change in option to allow repetition.

GEOG 6901 Introduction to Geographic Information Science. Change in prerequisite. (Informational item).

GEOG 6902 Introduction to Remote Sensing. Analysis and interpretation of earth features from both airborne and satellite observation platforms. Themes include photogrammetry, digital data manipulation, multispectral imagery, and interpretation of environmental features. Designed to support graduate research efforts. No credit if taken GEOG 5805 Prereq.: None. (Change in course description and prerequisite).

MATH 5849 Computational Methods for Problems in the Physical Sciences. Change of cross listed course from: CSIS 5849 to CSCI 5849.

ISEN 5825 Advanced Engineering Economy. Change in prerequisite. (Informational item).

HHS 6962 Health Care Policy. The purpose of the course is to give students the skills necessary to understand all aspects of health and health care especially those related to Health Care policy and delivery. It will examine the supply of and demand for health services, and the analysis of health

care systems and current, previous and potential future legislation relevant to health care. Topics will include Medicare, Medicaid, the Affordable Care Act, the Older Americans Act, and trends in health insurance coverage. Prereq. Admission to MHHS or OMBA. 3 s.h. (Change to course title and description.)

OMBA 6923 Corporate Financial Management. Change of prerequisite. (Informational Item.)

OMBA 6940 Leadership. Change of prerequisite. (Informational Item.)

OMBA 6941 Managing Organizational Talent. Change of prerequisite. (Informational Item.)

OMBA 6942 Essentials of Leadership Coaching. Change of prerequisite. (Informational Item.)

OMBA 6975 Business Policy and Strategy. Change of prerequisite. (Informational Item.)

PHYT 8901 Clinical Decision Making 1. Decision-making process for clinical management of uncomplicated cases in practice patterns. Emphasis on posture and movement assessment, safety, body mechanics, and monitoring physiological status. The course includes integrated hands on practice into lectures and class sessions. Prereq.: None. (Change in course description, prerequisite and course hours.) 6 s.h.

OMBA 6962 Health Care Reform. Change of prerequisite. (Informational Item.)

OMBA 6992 Health and Human Services Planning and Fiscal Management. Change of prerequisite. (Informational Item.)

**Program Changes—Graduate Programs 2023-2024**

Master of Science in Chemistry. Addition of a Combined Bachelor’s/Master’s Program option. Program change.

Master of Science in Engineering in Civil and Environmental Engineering. Addition of a Combined Bachelor’s/Master’s Program option. Admission change.

Doctor of Educational Leadership. Addition of a Higher Education concentration. Changes to Health and Human Services concentration requirements. Addition of writing exam to admission requirements.

Higher Education Leadership and Administration Graduate Certificate. New Certificate Program.

Doctor of Physical Therapy. Removal of PHYT 8942 and addition of PHYT 8950.Change in degree requirements.

Master of Business Administration. Change of required GMAT score for provisional pathway from 500 to 450. (Admission change).

Certificate in Organizational Leadership. New certificate program. /graduate/graduate-programs/organizationallead/

Post-Master's Certificate in Counseling Certificate for Counseling Practice. New certificate program. /graduate/graduate-programs/certcounseling/

Master of Science in Education in Counseling. Change in elective options. The College Counseling and Student Affairs (licensure track) required hours changed from 63 to 60 to align with other program options. (Change of program requirements).

Master of Computing and Information Systems. Change from individualized final project course CSCI 6990 to a full capstone course in Data Engineering CCI 6991. Addition of an Advanced Standing/4+1 option. (Change of program requirements).

Master of Arts in Professional Communication. Program changes to make the program more focused on working professionals. Addition of an Advanced Standing/4+1 option. (Change of program requirements).

Doctor of Physical Therapy. Replacing PHYT 8942 with PHYT 8950. Removal of GRE as admission requirement. (Change to program requirements and admission requirements).

Computer Science Endorsement. New Graduate Certificate Program. /graduate/graduate-programs/certificate--computer-endorsement/

Master of Music in Music Composition. Admission suspended.

Master of Music in Jazz Studies. Admission suspended.

Master of Science in Engineering. Engineering Management. Change in degree requirements.

Post-master's Administrative Specialist Certificate. New post-masters certificate program.