

**Graduate Council  
Agenda  
October 20, 2016  
Hurley Administration Board Room #204**

**Note: Course changes and additions will not take effect until they are listed in the graduate catalog. Items marked with an asterisk (\*) must have approval by the Texas Higher Education Coordinating Board before listing in the graduate catalog. Items marked with a plus (+) must be approved by the Department of Education before being listed in the graduate catalog.**

**I. ANNOUNCEMENTS**

**II. MINUTES**

**II-1.** Approval of September 15, 2016 minutes.

**III. CHAIR / TGS DISCUSSION ITEMS**

**III-1.** Presentation and demonstration of a new curriculum website.

**III-2.** UNT/TWU Joint Master of Social Work Preview

**III-3.** Elections for a new council voting members

**IV. REQUEST FOR NEW COURSES**

**\*\*\* REQUEST THAT ITEMS IV-58 THROUGH IV-61. BE DISCUSSED PRIOR TO OTHER PROPOSALS FOR NEW COURSES\*\*\***

**College of Arts and Sciences**

**Department of Spanish**

**IV-1. SPAN 5545** – Realism and Naturalism in 19<sup>th</sup> Century Spain – 3 Semester Credit Hours

**Description:** Study of the most representative texts and authors of Spanish Realism (Alarcón, Pérez Galdós, Pardo Bazán, Clarín) to "radical naturalism" (Lopez Bago and Sawa), authors who will connect their literature with the new century. Connections with the different literary trends of the end of 19<sup>th</sup> century in Spain and in Europe will be made.

**IV-2. SPAN 5525** – From enlightenment to Romanticism – 3 Semester Credit Hours

**Description:** Chronological study of the most representative literary texts from the period in order to see the evolution from the Enlightenment ideas that prevailed in Western Europe throughout 18<sup>th</sup> century to the appearance of the Romanticism. Connections with art and European Literature.

**College of Education**

**Department of Kinesiology, Health Promotion and Recreation**

**IV-3. RESM 5520** – Strategic Marketing for Sports and Event Organizations – 3 Semester Credit Hours

**Description:** This course is designed to provide students with opportunities for understanding and applying marketing principles within various aspects of the sport and events industries. Particularly, this course will focus on the elements that make the sport product distinctive from other businesses. This course will provide a broad overview of the important tenets of marketing and will provide students with opportunities to apply this knowledge

by creating marketing plans for actual sport organizations. This course will consist of multiple teaching techniques designed to promote a learning environment that is both theoretically and practically driven.

**IV-4. RESM 5600 – Sport in the Global Marketplace – 3 Semester Credit Hours**

**Description:** Sport in the Global Marketplace examines the global forces impacting sport and recreation in the USA and around the world. It provides graduate students with a comprehensive view of global sport management and an understanding of cross-cultural influences on sport and recreation. Emphasis will be placed on the application of research and critical thinking as related to key issues in global sport.

**IV-5. RESM 5530 – Sport Law and Risk Management – 3 Semester Credit Hours**

**Department:** This course examines key issues and applications of law related to sport, recreation, entertainment and event settings with particular focus on: contract law; ambush marketing; constitutional law; Title IX; and liability. Special emphasis is placed on risk management for the sport, entertainment, recreational and event industries.

**IV-6. RESM 5610 – Sport, Entertainment and Events in the 21<sup>st</sup> Century City – 3 Semester Credit Hours**

**Department:** Sport, Entertainment and Events in the 21<sup>st</sup> Century City explores the relationship of sport, events, recreation and entertainment in contemporary cities with emphasis on urban planning, facility and recreational space design with case studies from cities using sport and events for economic development including cities in the DFW Metroplex.

**IV-7. RESM 6520 – Seminar in Strategic Marketing for Sports and Event Organizations – 3 Semester Credit Hours**

**Description:** This course provides a review of research for understanding and applying marketing principles within various aspects of the sport and events industries. Particularly, this course will focus on the elements that make the sport product distinctive from other businesses. This course will provide a broad overview of the important tenets of marketing and will provide students with opportunities to apply this knowledge by creating marketing plans for actual sport organizations.

**IV-8. RESM 6510 – Seminar in Strategic Management of Sports Organizations – 3 Semester Credit Hours**

**Description:** This course examines the theoretical and empirical research related to sports organizations including college athletics, large-scales youth sports organizations, professional sports, and the operation of sporting events and festivals. Students examine real world case studies applying complex theories and data-driven decision making strategies.

**IV-9. RESM 6530 – Sport Law Seminar – 3 Semester Credit Hours**

**Description:** This course examines key issues that have influenced the development of sport law and applications of law in sport, recreation, entertainment and event settings with particular focus on: contract law; ambush marketing; constitutional law; Title IX; and liability. Special emphasis is placed on risk management for the sport, entertainment, recreational and event industries using case studies and research to guide.

**IV-10. RESM 6600 – Seminar in Sport and the Global Marketplace – 3 Semester Credit Hours**

**Description:** This course examines the global forces impacting sport and recreation in the USA and around the world. It provides a comprehensive review of research and critical thinking as related to key issues in global sport. Emphasis will be placed on the application of global sport management with an understanding of cross-culture influences.

**IV-11. RESM 6610 – Seminar in Sport, Entertainment and Events in the 21<sup>st</sup> Century City – 3 Semester Credit Hours**

**Description:** This course utilizes research and case studies to examine the impact of recreation, sport, events, and entertainment on urban development.

**IV-12. RESM 5510** – Strategic Management of Sports Organizations – 3 Semester Credit Hours

**Description:** This course focuses on strategic decision making in complex sports organizations including college athletics, large-scale youth sports organizations, professional sports, and the operation of sporting events and festivals. Students examine real world case studies using data-driven decision making strategies.

**College of Engineering**

**Department of Materials Science and Engineering**

**IV-13. MTSE 5630** – Introduction to Nanotechnology – 3 Semester Credit Hours

**REQUEST ITEM BE PULLED FROM AGENDA – CROSS-LISTED WITH MEEN 5315 REQUIRES PROPOSAL**

**Description:** Most relevant concepts of nanomaterials science and engineering, necessary tools to increase their knowledge on nanomaterials, at research and development. Overview of the current status of the nanotechnology as well as introducing the implications of the nanotechnology for the future society and environment.

**College of Music**

**IV-14. MUED 5010** – Music in Special Education – 3 Semester Credit Hours

**Description:** Examination of issues and pedagogical techniques related to teaching music to students with mental and physical disabilities within P-12 classrooms.

**IV-15. MUED 5000** – Teaching Music in Urban/Rural Settings – 3 Semester Credit Hours

**Description:** Examination of critical issues in teaching music to students in rural and urban settings with an emphasis on culturally-relevant pedagogy.

**IV-16. MUED 5030** – Advanced Instrumental Pedagogy, Conducting, and Rehearsal Techniques – 3 Semester Credit Hours

**Description:** Advanced wind and percussion instrumental pedagogy, development of conducting technique through lab experiences, and application of rehearsal techniques in a band setting.

**IV-17. MUED 5070** – Orff Techniques – 3 Semester Credit Hours

**Description:** Overview and application of Orff-Schulwerk teaching techniques with a focus on the elementary general music classroom.

**IV-18. MUED 5050** – Choral Techniques for Secondary Choral Music: Beginner/Intermediate – 3 Semester Credit Hours

**Description:** Advanced choral teaching techniques with emphases on beginning and intermediate students in secondary schools.

**IV-19. MUED 5090** – Technology in the Strings Classroom – 3 Semester Credit Hours

**Description:** Technology as applied to the string/orchestra classroom. Emphasis on hardware and software applications as well as philosophical considerations for using technology to enhance music teaching and learning.

**IV-20. MUGC 5020** – History and Literature of the Wind Band – 3 Semester Credit Hours

**Description:** Examination of the historical development of the wind band and analysis of major wind-band literature.

**IV-21. MUGC 5040** – Vocal Pedagogy and Diction – 3 Semester Credit Hours

**Description:** Advanced vocal pedagogy techniques and diction in multiple languages.

\*Indicates THECB approval required

**IV-22. MUGC 5080** – Advanced String Pedagogy and Technique

**Description:** Advanced string pedagogy and techniques with an emphasis on teaching strings in middle and high schools.

**IV-23. MUGC 5060** – Early Childhood/Elementary Music – 3 Semester Credit Hours

**Description:** Examination and application of pedagogical techniques suitable for teaching music to students in early childhood.

**IV-24. MUJS 5361** – Graduate Review of Jazz Aural Skills – 1 Semester Credit Hour

**Description:** Study of aural skill in perceiving intervals, chords, scales, progressions, and rhythms; and their application to jazz improvisation.

**IV-25. MUJS 5362** – Graduate Review of Jazz Theory – 1 Semester Credit Hour

**Description:** Study of minor, symmetrical, synthetic, blues, and pentatonic scales; polychords; substitution; and their application to jazz improvisation.

**IV-26. MUJS 5363** – Graduate Review of Jazz Keyboard Skills – 1 Semester Credit Hour

**Description:** Study of harmony, voicings, progressions; and their application to jazz improvisation.

**College of Public Affairs and Community Service**

**Department of Community and Professional Programs**

**IV-27. SOWK 5913** – Independent Study III – 3 Semester Credit Hours

Description: Independent or tutorial work in selected areas of social work. Permission of the Department.

**IV-28. SOWK 5912** – Independent Study II – 2 Semester Credit Hours

Description: Independent or tutorial work in selected areas of social work. Permission of the Department.

**IV-29. SOWK 5911** – Independent Study I – 1 Semester Credit Hour

Description: Independent or tutorial work in selected areas of social work. Permission of the Department.

**IV-30. SOWK 5803** – Social Work Foundation Field Seminar and Field Practicum I – 3 Semester Credit Hours

**Description:** The seminar facilitates integration of foundation field practicum and classroom learning through processing and discussion of field issues and situations. Students gain knowledge of and apply models of critical reflective practice, effective use of supervision, and ethical decision making. Includes a supervised social work field practicum in a community agency or program related to current course work. Practice experience and demonstration of foundation social work skills in an applied setting. Requires a minimum of 200 clock hours at the agency.

**IV-31. SOWK 5553** – Foster Care, Adoption and Permanency Planning – 3 Semester Credit Hours

**Description:** Focuses on engagement, assessment and intervention with children who are in foster care, adoption and/or permanency planning in public, tribal or private child welfare systems. Covers key social work, legal and

judicial processes from each domain. Addresses implementation of the Indian Child Welfare Act. Explores themes of attachment, identity, grief and loss.

**IV-32. SOWK 5543** – Child Maltreatment: Assessment and Intervention

**Description:** Addresses theory and research of the etiology and developmental consequences of child maltreatment. Analyzes the dynamics of child physical abuse, sexual abuse, psychological maltreatment, neglect and indicators of risk. Covers evidence informed assessment and interventions. Explores the effects of child abuse and neglect across the lifespan.

**IV-33. SOWK 5533** – Theories and Interventions with Children – 3 Semester Credit Hours

**Description:** Focuses on theory and interventions with children and parents with an emphasis upon attachment, development, ecosystems, trauma and cultural context. Covers practice with children individually and in groups, parent/child dyad approaches, and family interventions. Demonstrates expressive therapies and parent/child art therapy techniques.

**IV-34. SOWK 5513** – Practice in Mental Health – 3 Semester Credit Hours

**Description:** Presents theory and methods of assessment and intervention for working with persons with diagnosed serious mental illness with an emphasis upon recovery-oriented evidence informed practices. Explores complex legal and ethical issues. Analysis of cultural and gender appropriate methods which promote social justice and human rights.

**IV-35. SOWK 5503** – Death, Dying and Bereavement – 3 Semester Credit Hours

**Description:** Examines services for individuals and families experiencing end-of-life issues and addresses concepts and skills for effective practice in a variety of settings. Integration of theory, research and practice in relation to grief processes. Exploration of societal and cultural factors in the practice context. Application of ethical and legal issues to practice.

**IV-36. SOWK 5403** – Social Work Research Methods – 3 Semester Credit Hours

**Description:** Covers foundational concepts, principles, and methods of scientific inquiry, focusing on quantitative and qualitative designs and analysis and use of existing research in practice and policy. Examines evidence-based practice as a process of inquiry. Explores cultural and ethical considerations and the role of research in advocating for under-served and special populations.

**IV-37. SOWK 5313** – Social Work Policy Practice – 3 Semester Credit Hours

**Description:** Introduces foundational knowledge and skills in policy practice, including the policy making process and intervention techniques aimed at impacting and changing social welfare and public policies. Analysis of contemporary social issues, public policy and social welfare programs. Examination of global influences that affect US social policy.

**IV-38. SOWK 5303** – Social Work History and Social Welfare Policy – 3 Semester Credit Hours

**Description:** Examination of the historical and current development of the social work profession and US social welfare delivery system. Critical analysis of social problems and policy and service responses. Emphasis upon the mutual relationships among policy, practice and research. Investigation of the impact of social policy upon diverse and vulnerable groups.

**IV-39. SOWK 5223** – Social Work Practice III Groups – 3 Semester Credit Hours

**Description:** Focuses on developing knowledge, skills and competency in facilitating small groups in a variety of practice settings. Covers theoretical approaches, each stage of the group process, including group dynamics and impact of member characteristics. Analyzes ethics and confidentiality issues in relation to group practice. Experiential learning includes role-playing and simulation exercises.

**IV-40. SOWK 5213** – Social Work Practice II Organizations and Communities – 3 Semester Credit Hours

**Description:** Focuses on macro community practice at the foundation level. Integration of theory, skills and techniques in order to intervene with groups, organizations, communities and advance social, economic and environmental justice. Emphasis on strengths-based approaches and participatory models which empower communities.

**IV-41. SOWK 5203 – Social Work Practice I Individuals and Systems – 3 Semester Credit Hours**

**Description:** Promotes competence in micro practice skills with individuals. Covers engagement at each stage of the intervention process. Focuses on solution focused, cognitive behavioral and task-centered approaches. Introduction to assessment of individuals in family and environmental contexts.

**IV-42. SOWK 5113 – Human Behavior in the Social Environment II – 3 Semester Credit Hours**

**Description:** Analyzes bio-psycho-social developmental theories and practical knowledge of people from young adulthood to end of life. Concentrates upon a strengths-oriented perspective of diversity issues impacting individuals, families, groups and society, including race, gender, sexual orientation, class, culture, age and others, and the oppression of minorities and populations at risk.

**IV-43. SOWK 5103 – Human Behavior in the Social Environment I – 3 Semester Credit Hours**

**Description:** Examines the dynamics of human behavior in society, families and groups, from a wide range of perspectives including biological, psychological, systems and social/environmental. With an emphasis on strengths, focuses on developmental theories and practical knowledge covering populations from birth to young adulthood.

**IV-44. SOWK 5813 – Social Work Foundation Field Seminar and Field Practicum II – 3 Semester Credit Hours**

**Description:** The seminar facilitates integration of foundation field practicum and all foundation level classroom learning through processing and discussion of field issues and situations. Students gain knowledge of and apply evaluation of practice. Includes practice in a community agency or program related to current course work, which is a supervised social work field practicum in an agency setting. Practice experience and demonstration of foundation social work skills in an applied setting. Requires a minimum of 200 clock hours at the agency.

**Department of Criminal Justice**

**IV-45. CJUS 5770 – Capstone in Criminal Justice – 3 Semester Credit Hours**

**Description:** This course forms the culmination of the student's learning experience in the online Master of Science with a major in Criminal Justice program. The course serves to synthesize the knowledge gained from each course in the program and focuses on the connection between criminology, research, policy, and justice administration. The course encourages students to utilize the knowledge to improve their leadership abilities.

**Department of Disability and Addiction Rehabilitation**

**IV-46. RHAB 6740 – Measurement and Evaluation – 3 Semester Credit Hours**

**Description:** The course will offer an introduction to basic concepts and issues in measurement including descriptive statistics, scales of measurement, norms, reliability, and validity. An overview of psychometric theory underlying test construction; classical test theory, item response theory, and applications will also be included. Advantages and limitations of measurement techniques, their issues and applications will be discussed and illustrated. This course will also present the implications of the theory of program evaluation and related techniques on the standards of quality professional practice.

**IV-47. RHAB 6715 – Advanced Psychosocial Aspects of Disability Across the Lifespan – 3 Semester Credit Hours**

**Description:** This course will require students to review the scholarly literature relevant to psychosocial adaptation to disability, including the application of developmental theories to explain the impact of disability at various life stages in the human developmental process, psychological, social, and environmental factors that may facilitate or

\*Indicates THECB approval required

hinder adjustment to disability, and the application of counseling and other therapeutic strategies which facilitate positive psychosocial adaptation to disability.

**IV-48. RHAB 6710 – Health Disparities and Social Justice – 3 Semester Credit Hours**

**Description:** Health disparities exist across race/ethnic groups, geographic residence, gender, age, and disability status. More than 25 years of research indicates that there are widespread disparities in health throughout America and for over 35 years, we have seen trends in the data which demonstrate inequitable outcomes for people of color receiving vocational rehabilitation services. Determinants of health disparities are multifactorial and include cultural factors, socioeconomic factors, racism/discrimination, and political factors. Health disparities have been defined as differences in “the overall rate of disease incidence, prevalence, morbidity, mortality or survival rates”. We will conduct an in-depth examination and discussion of the theories of justice, social determinants of health and disability, and learn about community-based participatory research and narrative methods that may be used to address social injustices and public health inequities.

**IV-49. RHAB 6700 – Professional Issues and Disability Policies – 3 Semester Credit Hours**

**Description:** This Doctoral seminar is designed to highlight key concepts in the field of rehabilitation and disability-related public policies. This course will enhance the understanding of critical topics in professional issues and disability policy and increase understanding of the interactions between disability, public policy and public health. It will provide opportunities to evaluate and understand aspects of disability policy and social issues that affect the lives of persons with disabilities and their families, including state, regional, national and international forces and trends. Topics to be covered include, but are not limited to, legislation impacting the field of rehabilitation and individuals with disabilities; ethical issues related to disability rights and rehabilitation; and recent developments in U.S. and international human rights and comparative disability policy.

**IV-50. RHAB 6730 – Disability, Health, and Functioning – 3 Semester Credit Hours**

**Description:** This course presents discussions of theories of disability, functioning, health and wellness, and reviews the historical and contemporary concepts, terms and scholarship associated with rehabilitation and health-related services. Medical and functional implications of disability as it relates to the rehabilitation process will be covered, as well as, etiology, treatment, prognosis, and vocational implications for persons with disabilities. Conceptualizations of chronic illness and disability as conceptualized from the perspective of WHO, ICF and ICD will be examined.

**IV-51. ASLP 6995 – Communication and Communication Disorders Across the Life-span – 3 Semester Credit Hours**

**Description:** This course is designed for doctoral students in ASLP to provide fundamental and applied knowledge of normal communication and communication disorders, especially age-related disorders that impair cognition, speech, language, hearing, and swallowing. Attention will be paid to the relationship between cognitive physiological functioning, and the psychological and social consequences of communication difficulties across the life-span.

**IV-52. ASLP 6994 – Auditory and Language Processing in the Brain – 3 Semester Credit Hours**

**Description:** Doctoral students in the Department of ASLP will explore up-to-date research and principles related to the processing and the plasticity in the brain, with particular focus on speech, language, and auditory processing. Course topics will include auditory and speech perception, attention, memory, language, training, cortical plasticity, and cognition.

**IV-53. ASLP 6993 – Advanced Topics in Audiology, Speech and Language – 3 Semester Credit Hours**

**Description:** This course is designed for doctoral students in ASLP to provide an in-depth knowledge of selected topics in line with current research, clinical and professional trends and issues in the field of ASLP.

**IV-54. ASLP 6992 – Advanced Neuroanatomy and Neurophysiology of Communication, Audition and Vestibular Functions – 3 Semester Credit Hours**

**Description:** This course is designed for doctoral students in ASLP to provide a comprehensive knowledge of the structure and function of the human peripheral and central nervous system, including sensory and motor innervation of the musculo-skeletal system, as they relate to audiology and speech-language pathology. Neurological bases of normal and disordered speech, language, hearing, cognition, non-verbal communication and vestibular functions will be addressed.

**IV-55. ASLP 6991 – Instrumentation in Speech and Hearing Sciences – 3 Semester Credit Hours**

**Description:** This course is designed for doctoral students in ASLP to provide fundamental and applied knowledge of underlying principles of electronic and software tools used by audiologists, speech-language pathologists and speech and hearing scientists.

**Department of Emergency Management and Disaster Science**

**IV-56. EMDS 6800 – Seminar in Emergency Management and Disaster Science – 3 Semester Credit Hours**

**Description:** This topics course addresses current theoretical and methodological issues in the emerging area of emergency management and disaster science.

**IV-57. EMDS 5800 – Seminar in Emergency Management and Disaster Science – 3 Semester Credit Hours**

**Description:** This topics course addresses current theoretical and methodological issues in the emerging area of emergency management and disaster science.

**Toulouse Graduate School**

**IV-58. INSD 5120 – Introduction to Data Science – 3 Semester Credit Hours**

**Description:** This course provides an introduction to fundamental concepts of data science, including data informed decision making, research design, data acquisition and management, statistical analysis software and programming, communicating and operationalizing analysis results and data ethics. The course focuses on applications of data science methods in framing and answering strategic questions facing decisions makers in a variety of organizations – from marketing to policing. The topics presented in the course will be explored in depth in later courses.

**IV-59. INSD 5130 – Data Analytics I – 3 Semester Credit Hours**

**Description:** This course provides an overview of quantitative methods essential for analyzing data, with an emphasis on business and industry applications. Topics include identification of appropriate metrics and measurement methods, descriptive and inferential statistics, experimental design, parametric and non-parametric tests, simulation, and linear and logistic regression, categorical data analysis, and select unsupervised learning techniques. Standard and open source statistical packages will be used to apply techniques to real-world problems.

**IV-60. INSD 5140 – Data Analytics II – 3 Semester Credit Hours**

**Description:** This course extends the concepts developed in Data Analytics 1 to multivariate and unstructured data analysis. Modern techniques of multivariate analysis, including association rules, classification methods, time series, text analysis and machine learning methods are explored and implemented with real-world business and industry data. The course will provide a hands-on introduction to state-of-practice technology and tools. The focus of the course is on the application and interpretation of the methods discussed.

**IV-61. INSD 5150 – Data Visualization and Communication – 3 Semester Credit Hours**

**Description:** This course presents strategies and methods for effective visualization and communication of data analyses. Standard and open source data visualization packages will be used to develop presentations that convey findings, answer business questions, drive decisions, and provide persuasive evidence supported by data.



**V. REQUEST FOR ADD OR DELETE OF A DEGREE/MAJOR/PROFESSIONAL FIELD/CONCENTRATION/OPTION/MINOR/CERTIFICATE**

**\*\*\* REQUEST THAT ITEM V-12. BE DISCUSSED PRIOR TO OTHER PROPOSALS TO ADD/DELETE DEGREE PROGRAMS\*\*\***

**College of Engineering**

**Department of Computer Science and Engineering (\*)**

**V-1. Add Executive Master of Science EMCS with a concentration in Cybersecurity.**

**Justification:** The M. S. degree in Computer Science (MSCS) is designed to prepare students to enter the workplace or to further their studies through the Ph. D. degree, thus with a heavy emphasis on both applications in industry and research. Students in this program are typically traditional students, going the program immediately after their B. S. degree. The proposed Executive M. S. in Computer Science (EMSCS) at the New College in Frisco is designed for the working professional as a terminal degree. The curriculum will be similar but the emphasis of the courses offered will be content tailored to the working professional, both in terms of recognizing that such individuals already understand the industrial application of the course content and will likely not be continuing for their Ph. D. degree. That is, courses will be very industry focused and offer content that the students can use immediately in their work. This distinguishes the EMSCS at Frisco from the MSCS in Denton and is the type of degree that is especially appropriate for Frisco since many people in the area are employed in the IT industry and many technology companies are located in the area as well (e.g., Ericsson, Siemens, Nokia, PepsiCo IT, etc.). A computer security workshop organized by our department and held at Ericsson attracted over 200 attendees and there were many corresponding indications of major interest in computer security as well as data science. On the other hand, the city of Frisco aspires to be a hub for game programming in the DFW area so having a game programming concentration is appropriate for individuals wishing to move from general IT into that field. Our department is a nationally recognized leader in these three areas of computer science so we are well-positioned to offer this program and for it to be successful.

**V-2. Add Executive Master of Science EMCS with a concentration in Game Programming.**

**Justification:** The M. S. degree in Computer Science (MSCS) is designed to prepare students to enter the workplace or to further their studies through the Ph. D. degree, thus with a heavy emphasis on both applications in industry and research. Students in this program are typically traditional students, going the program immediately after their B. S. degree. The proposed Executive M. S. in Computer Science (EMSCS) at the New College in Frisco is designed for the working professional as a terminal degree. The curriculum will be similar but the emphasis of the courses offered will be content tailored to the working professional, both in terms of recognizing that such individuals already understand the industrial application of the course content and will likely not be continuing for their Ph. D. degree. That is, courses will be very industry focused and offer content that the students can use immediately in their work. This distinguishes the EMSCS at Frisco from the MSCS in Denton and is the type of degree that is especially appropriate for Frisco since many people in the area are employed in the IT industry and many technology companies are located in the area as well (e.g., Ericsson, Siemens, Nokia, PepsiCo IT, etc.). A computer security workshop organized by our department and held at Ericsson attracted over 200 attendees and there were many corresponding indications of major interest in computer security as well as data science. On the other hand, the city of Frisco aspires to be a hub for game programming in the DFW area so having a game programming concentration is appropriate for individuals wishing to move from general IT into that field. Our department is a nationally recognized leader in these three areas of computer science so we are well-positioned to offer this program and for it to be successful.

**Department of Materials Science and Engineering**

**V-3. Add Biomedical Engineering concentration to the Doctor of Philosophy in Materials Science and Engineering degree.**

**Justification:** The new concentration in the PhD program in MTSE will benefit both the new Biomedical Engineering Department to establish a route of PhD student education and the existing Material Science and

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Engineering department to broaden research areas in materials for biomedical applications. - Will be adding a Biomedical Engineering specialization.

#### **Department of Mechanical and Energy Engineering**

V-4. Add Biomedical Engineering concentration to the Doctor of Philosophy in Mechanical and Energy Engineering degree

**Justification:** Will be adding a Biomedical Engineering specialization.

#### **College of Music (\*)**

V-5. Add summer-only Teaching Emphasis to the Master of Music Education degree.

**Justification:** The new summers-only MMEd (teaching emphasis) is designed for students currently employed as public school teachers who can only pursue their master's degree in the summer.

#### **College of Public Affairs and Community Service**

##### **Department of Community and Professional Programs (\*)**

V-6. Add TWU-UNT collaborative joint Master of Social Work Program

**Justification:** The Master's degree in Social Work (MSW) is the most recognizable and marketable degree in the social sciences. The Directors of the BSW programs at UNT and TWU, as well as a number of administrators at both institutions have met throughout 2014, 2015 and 2016 in order to discuss the feasibility of a joint MSW program. The consensus of those involved is that a joint MSW would benefit both institutions, the BSW students in both programs, and the larger community.

##### **Department of Criminal Justice**

V-7. Add concentration in Justice Policy and Administration to the Master of Science in Criminal Justice degree. (\*)

**Justification:** The Department of Criminal Justice recently established a 100% online Master of Science in Criminal Justice program, which is focused on criminal justice administration and policy and is geared toward working and pre-professional students. In conjunction with the rollout of the online program, the Department of Criminal Justice made a variety of changes to the campus-based program. The campus-based program is focused on criminal justice scholarship, especially research methods and theory, and is geared toward students wishing to ultimately pursue a doctoral degree. In order to reflect these changes and after consultation with Graduate School personnel, we are requesting that each program be assigned concentrations that reflect their specific focus. This form pertains to our online program. An accompanying form pertains to the campus-based program.

V-8. Add concentration in Theory and Research to the Master of Science in Criminal Justice degree. (\*)

**Justification:** The Department of Criminal Justice recently established a 100% online Master of Science in Criminal Justice program, which is focused on criminal justice administration and policy and is geared toward working and pre-professional students. In conjunction with the rollout of the online program, the Department of Criminal Justice made a variety of changes to the campus-based program. The campus-based program is focused on criminal justice scholarship, especially research methods and theory, and is geared toward students wishing to ultimately pursue a doctoral degree. In order to reflect these changes and after consultation with Graduate School personnel, we are requesting that each program be assigned concentrations that reflect their specific focus. This form pertains to our online program. An accompanying form pertains to the campus-based program.

V-9. Delete Graduate Academic Certificate in Campus Safety and Security Administration

**Justification:** Despite marketing in a national magazine targeting campus safety and other marketing strategies, the certificate program has had only 7 students enroll in the program in 2 years. Three have completed, 2 were discontinued due to inactivity, and 2 are currently enrolled in the program. With 2 unique courses required for the

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certificate, the department does not have to faculty resources to continue offering the certificate due to its low enrollment.

#### **Department of Disability and Addiction Rehabilitation (\*)**

##### **V-10. Add Doctor of Philosophy in Health Services Research with a concentration in Rehabilitation Science degree**

**Justification:** This is a revised Ph.D. program located within the Department of Disability and Addiction Rehabilitation (DDAR) that has been approved by THECB. The Ph.D. program was designed to provide several concentrations of study for students to choose from, with one already developed in Applied Gerontology. The department has a thriving undergraduate and master's program in Rehabilitation Counseling and is ranked by the U.S. World and News Report as the number one Rehabilitation Counseling master's program in Texas, and 13th in the nation. Currently there is no doctorate program in the rehabilitation field in the North Texas area - the closest Ph.D. program is Texas Tech in Lubbock TX, with another at UT - Rio Grande Valley in McAllen, TX. Providing a doctorate program with a concentration in Rehabilitation Science in the North Texas area will provide a unique opportunity for UNT to attract additional students interested in obtaining their Ph.D. and pursuing research in the area of disability and addiction.

##### **V-11. Add Doctor of Philosophy in Health Services Research with a concentration in Audiology and Speech Language Pathology**

**Justification:** The mission of the Ph.D. in Health Services Research with a concentration in Audiology and Speech-Language Pathology (ASLP) is to prepare researchers, educators and leaders in the academic fields of Audiology and Speech-Language Pathology with an emphasis on interdisciplinary collaboration. This Program focuses on developing competent researchers, educators and leaders to be at the forefront of knowledge for improving the overall quality of life of persons with speech, language and hearing disabilities. Graduates are expected to demonstrate advanced knowledge and technical expertise in addressing critical areas of research, education, service delivery, clinical practice, and professional policy.

#### **Toulouse Graduate School (\*)**

##### **V-12. Add Master of Science in Applied Data Science**

**Justification:** The Master of Science in Applied Data Science in an inherently interdisciplinary program that will draw upon both existing, and new, expertise across the University. The degree curriculum is designed to be flexible in order to respond to the rapidly evolving field of data science. Program curriculum includes competencies in data analytics, database management, data security, and content knowledge. Currently, there is no degree across the University that pulls from each these competencies.

#### **VI. REQUEST FOR GRADUATE ACADEMIC CERTIFICATES**

#### **VII. REQUEST FOR GRADUATE TRACK PATHWAYS**

##### **College of Arts and Sciences**

##### **Department of Communication Studies**

##### **VII-1. Bachelor of Arts in Communication Studies, with a graduate track pathway leading to a Master of Arts in Communication Studies**

**Justification:** This program will target high-achieving undergraduate majors in Communication Studies, offering the opportunity for outstanding students to advance their careers in a significant way by pursuing the Bachelor's and Master's degrees in a parallel and coordinated program. As a pathway toward the Master's degree, students in this program will first earn their Bachelor's degree and then Master's degree in Communication studies. Students accepted into the program will be able to fulfill all degree requirements established by the department and university, while augmenting their undergraduate degree with master's level coursework that would count toward

\*Indicates THECB approval required

the student's upper-level electives. This pathway program will enable outstanding students to move more efficiently through their academic career and will encourage high-achieving undergraduate students to remain at UNT to complete their Master's degree.

### **Frank W. and Sue Mayborn School of Journalism**

**VII-2.** Bachelor of Arts in Journalism, with a graduate track pathway leading to a Master of Art or Master of Journalism.

**Justification:** The proposed pathway program will be marketed to undergraduate students starting with the spring semester 2017. We will require that students who plan to go into the pathway program be advised by our undergraduate and graduate advising team. GPAs will be verified prior to admission, and the journalism director/associate dean and dean must approve admission into the pathway program. Criteria for admission is listed below.

## **VIII. REQUEST FOR CHANGE IN PROGRAM/ MAJOR/ DEGREE/ OPTION REQUIREMENTS**

### **College of Arts and Sciences**

#### **Department of Anthropology**

**VIII-1.** Requirements for Master of Arts and Master of Science in Anthropology.

**Justification:** Topics Course: Evaluation Anthropology can be taken as an elective for MA and MS programs.

**VIII-2.** Requirements for Master of Arts and Master of Science in Applied Anthropology and Master of Public Health dual degree programs.

**Justification:** Our Dual Degree requirements (ANTH/MPH) have been updated to reflect the changes instituted by the Masters of Public Health at the UNT Health Science Center.

#### **Department of Geography**

**VIII-3.** Requirements for Geographic information Systems (GIS) certificate.

**Justification:** We are deleting GEOG 5520.

**VIII-4.** Adjustment of catalog wording for the Master of Science in Geography program.

**Justification:** Catalog clean-up. Minor changes in wording.

#### **Department of Technical Communication**

**VIII-5.** Requirements for the MA in Professional and Technical Communication program.

**Justification:** Our program currently requires 36 hours, 9 of which are electives taken outside our department. We want to reduce the number of required hours to 30. We are working hard to increase our enrollment and improve graduation times, and reducing the number of required hours is an excellent way to reduce student costs and shorten time to the completion of the degree. Our students also struggle finding electives that do not have prerequisites, so they do not benefit from these classes as much as they should.

#### **Department of World Languages, Literatures and Cultures (Spanish)**

**VIII-6.** Requirements to obtain GRE scores for the MA in Spanish program.

**Justification:** Neither CAS nor TSGS requires GRE scores. The Department has holistic evaluation tools in place.

### **College of Business**

#### **Department of Information Technology and Decision Sciences**

**VIII-7.** Request to change CIP code from 52.1201 to 52.1301 for the Master of Science with a major in Business Analytics.

**Justification:** We are requesting to change the CIP from 52.1201 to 52.1301. CIP code 52.1301 (Management Science) is defined by the IES National Center for Education Statistics as “a general program that focuses on the application of statistical modeling, data warehousing, data mining, programming, forecasting and operations research techniques to the analysis of problems of business organization and performance.” The definition includes instruction in areas we teach in this program such as optimization, data mining, data warehousing, stochastic and dynamic modeling, and the design and testing of prototype systems and evaluation models. The Master of Science in Business Analytics in our department fits this description very well. Furthermore the former MS in Decision Sciences (that had the 52.1301 CIP) was the basis for this program. Four of the required courses are management science classes that focus on Business Analytics; DSCI 5240, Data-based Decision Support Systems; DSCI 5330, Enterprise Applications of Business Intelligence; and DSCI 5350 Big Data Analytics plus a choice between DSCI 5320, Quality Control and DSCI 5210, Model Based Decision Making. The 15 hours of electives also include management science courses like DSCI 5340 – Predictive Modeling and Business Forecasting; DSCI 5360 – Data Visualization for Analytics and DSCI 5260 – Business Process Analytics. Therefore, CIP 52.1301 is appropriate for the MS in Business Analytics. This is one reason that we request the change -- to better match the CIP with the program.

### **College of Engineering**

#### **Department of Mechanical and Energy Engineering**

**VIII-8.** Additional requirements for Master of Science in Mechanical and Energy Engineering degree.

**Justification:** 1. All M.S. Students (for both thesis and non-thesis options) must select one of the five MEE concentrated tracks. A total of 21 credits (seven courses) must come from the required core and elective courses as prescribed in the list (Appendix C). 2. Each MS student must take at least 21 credits in MEE, including the core and elective courses within the track and outside. 3. All M.S. students must register and attend MEE seminars for one semester.

### **Frank W. and Sue Mayborn School of Journalism**

**VIII-9.** Requirements for the Graduate Public Relations Certificate

**Justification:** Adding two new public relations graduate courses as electives to enhance student choice.

### **College of Music**

**VIII-10.** Change in requirements for the Doctor of Philosophy in Music degree, with a concentration in Ethnomusicology.

**Justification:** Doctoral students with a concentration in music history and music theory are currently required to attend the music history, theory, and ethnomusicology lecture series during each long semester of full-time (9 hours) enrollment. This change extends that requirement to doctoral students with a concentration in ethnomusicology.

**VIII-11.** Change in requirements for the Doctor Musical Arts degree with a major in Performance.

**Justification:** DMA students are currently required to take six hours of MUMH (musicology) and six hours of MUTH (music theory) coursework. This change will allow (but not oblige) students to apply up to six hours of MUET (ethnomusicology) courses to satisfy this requirement, thus allowing them to integrate a more global perspective into their degree.

**College of Public Affairs and Community Service**

**Department of Criminal Justice**

**VIII-12.** Change title of ‘Correctional Management’ certificate to ‘Correctional Executive Leadership’.

**Justification:** The justification for the change is to reflect the current terminology in the discipline. Management is a dated term in the discipline while Executive Leadership is modern and more consistently used today.

**VIII-13.** Change title of ‘Police Management’ certificate to ‘Police Executive Leadership’.

**Justification:** The justification for the change is to reflect the current terminology in the discipline. Management is a dated term in the discipline while Executive Leadership is modern and more consistently used today.

**IX. REQUEST FOR DUAL OR JOINT DEGREE PROGRAMS**

**X. REQUEST ADD/ CHANGE TO TEACHER CERTIFICATION PROGRAMS**

**XI. CONSENT CALENDAR**

**A. Course Changes**

**College of Arts and Sciences**

**Department of Geography**

**XI-1. GEOG 5550** – Advanced Geographic information Systems (Description, Prerequisites)

**Description:** *Advanced spatial analysis and database development through the use of specialized software and the design and implementation of GIS applications. Includes GIS project planning, database development, advanced data manipulation and analysis. In addition to laboratory exercises, students design and implement a complete GIS project and gain advanced GIS application skills in an area pertinent to the student’s interests. A comprehensive written report demonstrating research and a problem-solving proficiency using GIS is required.* > Advanced spatial analysis and database development through the use of specialized software and the design and implementation of GIS applications. Includes GIS data models, project planning, raster-based data manipulation and analysis, three-dimensional (3D) analysis, network analysis, and other advanced topics in spatial analysis. In addition to laboratory exercises, students design and implement a complete GIS project and gain advanced GIS application skills in an area pertinent to the student's interests. A comprehensive written report demonstrating research and a problem-solving proficiency using GIS is required.

**Prerequisites:** *GEOG-5520 with a grade of B or better or consent of department.* Consent of the department.

**College of Engineering**

**Department of Engineering Technology**

**XI-2. MSET 5800** – Studies in Engineering Technology (Semester Credit Hours)

Semester Credit Hours: ~~1-3 hours~~ 3 hours

**Department of Mechanical and Energy Engineering**

**XI-3. MEEN 5920** – Cooperative Education in Mechanical and Energy Engineering (Semester Credit Hours)

Semester Credit Hours: ~~3 hours~~ 1-3 hours

**College of Music**

**XI-4. MUAG 5225** (Add Cross Listing)

**Add Cross Listing:** MUAG 4225

**XI-5. MUJS 5360** – Graduate Review of Jazz Fundamentals (Description, Semester Credit Hours)

**Description:** ~~Review at the graduate level of jazz theory, aural skills, keyboard skills and performance fundamentals.~~ → Study of chords, scales, modes; function and substitution; voicings; and their application to jazz improvisation.

**Semester Credit Hours:** ~~4 hours~~ 1 hour

**XI-6. MUSM 5285** – Music in Church: Gregorian Chant, Protestant Reformation and John Keble (Course Title, Short Course Title, Description)

**Course Title:** ~~Music in Church: Gregorian Chant, Protestant Reformation and John Keble~~ → The Languages of Worship

**Short Course Title:** LANGUAGES OF WORSHIP

**Description:** ~~Chronological survey of church music: music in the Hebrew Testament and its influence on music of the early Christian Church; Renaissance and Reformation, development of the oratorio influence of Henrich Schuetz and J. S. Bach, the English Restoration, music in the English Chapel Royal, development of the English hymn, music in the courts of Europe, Romantic music, Oxford Movement influence on music, 19th century revival of music. This seminar is designed for anyone planning a career in church music: choral director/minister of music; organist; choirmaster/organist. Aural and printed musical examples, repertoire lists. How to make practical use of music in the church with extensive repertoire lists aimed at finding quality music from every period, easy to moderate difficulty, of practical use with the volunteer church choir.~~ → An introduction to the ritual contexts of sacred music. The course includes a review of the field of ritual studies as it forms a basis for understanding ritual origins and development, particularly as they pertain to their musical components, and as it offers a potentially common language that can be used by musicians, laity, and clergy alike in a variety of religious settings. The course also includes theoretical and practical examination of the musical elements of ritualistic expressions, including narrative and theater, in both Western and non-Western cultures.

**XI-7. MUSM 5286** – Music in the Church: The Larger Volunteer Choir, Hymnody in the 20th and 21st Centuries (Course Title, Short Course Title, Description)

**Course Title:** ~~Music in the Church: The Larger Volunteer Choir, Hymnody in the 20th and 21st Centuries~~ Western Sacred Music from Antiquity through the Middle Ages

**Short Course Title:** SACR MUS MIDDLE AGES

**Description:** ~~Survey of church music, chronologically exploring the influence of Eastern Music, African music, North American church music and music in 20th century America, including aural and printed examples with repertoire lists. How to make practical choices in choral music with repertoire lists aimed at finding quality music, easy to moderate difficulty, appropriate for the volunteer church choir, mostly SATB, some SAB, 2-part and unison anthems. Explores how to assess the appropriateness of music for volunteer singers: liturgically, musically, and denominationally. The mechanics of an efficient choral rehearsal; planning, using the liturgical year and a lectionary; preparing a budget; survey of resources for music and equipment; introduction to music writing software.~~ → A survey of the ritual contexts of the history and practice of Western sacred music from the ancient Greeks and Hebrews through the end of the Middle Ages (ca. 1400). The course includes overviews of developments in Western ritual/liturgical expressions as well as their communal/congregational, choral, and instrumental musical components. It places a particular emphasis on the history and performance of Western plainchant, both in theory and with instruction in conducting and vocal skills.

**XI-8. MUSM 5287** - Church Music Intermediate Practicum (Course Title, Short Course Title, Description)

**Course Title:** ~~Church Music Intermediate Practicum~~ Western Sacred Music in the Renaissance, Baroque, and Classical Eras

**Short Course Title:** SAC MUS REN TO CLAS

**Description:** *Mechanics of administering a comprehensive church music program including outlines of structure of varied model programs, working with volunteers, church committees, the pastor(s), the interview, resources for music and equipment, preparing a budget, sample contracts, copyright laws, professional memberships and denominational variants. Extensive study of psalm singing, looking at styles of Gregorian Chant to Gelineau type psalms; how to interpret Gregorian Psalm notation, understanding pointing, ways to teach them and ways to perform them; the denominational hymnal as a resource; for organists, how to accompany the different types of psalms; introduction to hand bells and repertoire for hand bells; diplomacy and church politics; choral repertoire lists; working with adult, children's and youth choirs.* > A survey of the liturgical/ritual contexts, repertory, and performance practices in Western sacred music from the beginning of the Renaissance, through the Baroque, to the end of the Viennese Classical periods (ca. 1400-1800). All types of liturgical, choral, congregational, and ritual instrumental music—and their instruments—are covered, including developments in the churches of the Reformation and Counter-Reformation, culminating in the music of J. S. Bach and Georg Frideric Handel. Instruction and practice in pertinent vocal, choral, and conducting skills are included.

**XI-9. MUSM 5288 - Church Music Advanced Practicum (Course Title, Short Course Title, Description)**

**Course Title:** *Church Music Advanced Practicum* Western Sacred Music in the Nineteenth and Twentieth Centuries and Conjectures as to Its Future

**Short Course Title:** SAC MUS 19<sup>TH</sup>/20<sup>TH</sup> CEN

**Description:** *Conducting from the organ console; creative hymn playing; playing orchestral reductions; creative registration; anthem accompaniment including the English Cathedral repertoire; planning the choral rehearsal; extensive survey of practical organ repertoire for use in worship; modulations; professional memberships, resources for music, transposition; descants and free accompaniments, pipe and electronic organs; introduction to music writing software; sample contracts, copyright laws; repertoire for organ and instruments; appropriate wedding and funeral repertoire. Introduction to goals and missions for supporting professional organizations such as the American Guild of Organists; Organ Historical Society; The Organ Club of Great Britain. Matters of diplomacy and church politics.* > A survey of the changing ritual contexts, repertory, and practices in Western sacred music from 1800 to the present day. Liturgically/ritually appropriate congregational, choral, and instrumental music—and the evolution of their instruments—are examined both in theory and practice. The course concludes with an overview of the current state of Western sacred music and some of the challenges and opportunities its future holds. Instruction and practice in pertinent vocal, choral, conducting, and arranging skills are included.

**College of Public Affairs and Community Service**

**Department of Criminal Justice**

**XI-10. CJUS 5600 – Advanced Criminological Theory (Delete Cross Listing)**

**Delete Cross Listing:** *SOCI 5600 Advanced Criminological Theory*

**XI-11. CJUS 5620 – Seminar in Victimology (Delete Cross Listing)**

**Delete Cross Listing:** *SOCI 5620 Seminar in Victimology*

**Department of Disability and Addiction Rehabilitation**

**XI-12. AGER 5880 – Ethical Issues in an Aging Society (Course Title, Description)**

**Course Title:** *Ethical Issues in an Aging Society* Issues in Healthcare Law and Ethics

**Course Description:** *Exploration of the moral, ethical and legal issues that population aging poses at the individual, family, service provider and societal levels. Illustrative topics include the elderly's access to health care, self determination and advance directives in old age, and filial responsibility to aging parents.* > This course will provide a broad overview of contemporary issues in healthcare law and ethics, including the impact of the legal system and government regulations on the delivery of healthcare in the United States. Special attention is given to the changes in the legal and ethical healthcare environment resulting from the new Affordable Care Act. We



examine the legal foundations of decision making in the healthcare arena, and explore the ethical management of complex dilemmas in the delivery of patient care. Primary issues that we will explore include the differences between state and federal legal systems; healthcare providers as legal entities; government regulations that impact public health, the quality of care, cost containment and the privacy of personal health information; the laws associated with government payment programs like Medicare and Medicaid and the determination of fraud and abuse; and legal issues associated with emergency treatment, the right to refuse care, and physician assisted suicide.

**Department of Public Administration**

**REQUEST TO APPROVE ITEMS XI-13. THROUGH XI-19. IN ONE VOTE**

**XI-13. PADM 5615** – Environmental Planning and Hazards (Prefix)

**Prefix:** ~~PADM~~ EMDS

**XI-14. PADM 5610** – Disaster Preparedness and Management (Prefix)

**Prefix:** ~~PADM~~ EMDS

**XI-15. PADM 6610** – Emergency Management Theory and Practice (Prefix)

**Prefix:** ~~PADM~~ EMDS

**XI-16. PADM 6615** – Environmental Planning and Hazards (Prefix)

**Prefix:** ~~PADM~~-EMDS

**XI-17. PADM 6620** – Challenges of Disaster Response (Prefix)

**Prefix:** ~~PADM~~ EMDS

**XI-18. PADM 6630** – Technological Hazards (Prefix)

**Prefix:** ~~PADM~~ EMDS

**XI-19. PADM 6635** – Disaster Research Methods (Prefix)

**Prefix:** ~~PADM~~ EMDS

**B. Course Deletions**

**College of Arts and Sciences**

**Department of Anthropology**

**XI-20. ANTH 5220** – Introduction to Health Services Research

**Department of Geography**

**XI-21. GEOG 5520** – Intermediate Geographic Information Systems

**College of Public Affairs and Community Services**

**Department of Criminal Justice**

**XI-22. CJUS 5360** – Managing Campus Safety and Security

**XI-23. CJUS 5370 – Law and Policy in Campus Public Safety**