

TO: Faculty Senate
FROM: Mark Jackson, Chair, University Curriculum Committee
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Date: 3/15/2013

On April 3, the Curriculum Committee met and approved the following items. On behalf of the Curriculum Committee, I submit these items for the approval of the Faculty Senate at its meeting on Monday, April 15, 2013.

Biomolecular Science		
1.1	Course revision BMS 414 Pharmacology, Physiology, and Drug Development Change prereqs to: BMS 318 or BMS 319 or BMS 412 or BIO 318 or BIO 319 or BIO 412; and CHEM 200 and CHEM 201; or permission of department chair	AS SET
1.2	Course Revision BMS 496 Capstone in Biosynthesis, Bioenergetics and Metabolic Regulation Change prereqs to: BMS 306 or 307 or BMS 311 or BMS 316; and CHEM 210 and CHEM 211; or permission of department chair	AS SET
1.3	Course Revision BMS 216 Microbiology for Nursing Change prereqs to: BMS 102, or BMS 111, or BIO 111, and CHEM 161, or permission of department chair	AS SET
1.4	Course Revision BMS 206 Genetics for Nursing Change prereqs to: BMS 102, or BMS 111, or BIO 111, and CHEM 161 (may be taken concurrently); or permission of department chair	AS SET
1.5	Program Revision Major in Biomolecular Sciences, B.S. (Non-teaching) Change chemistry section to read: CHEM 161 General Chemistry 3 CHEM 162 General Chemistry Lab 1	AS SET

	<p>CHEM 200 Foundations of Analytical Chem 3 CHEM 201 Foundations of Analytical Chem Lab 1 CHEM 210 Foundations of Organic Chemistry 3 CHEM 211 Foundations of Organic Chemistry lab 1 CHEM 212 Organic Synthesis 3 CHEM 213 Organic Synthesis Laboratory 1 PHYS 121 General Physics I 4 PHYS 122 General Physics II 4</p> <p>Students must also maintain a student portfolio. While no minor is required for the BS in biomolecular sciences, a minor in science may be elected with a C- or better in related requirement courses CHEM 161, 162, 163, 164, PHYS 121, and 122 in courses required for Science Minor. Some related requirement courses may also be counted to fulfill appropriate portions of the student's general education program.</p>	
1.6	<p>Course Revision BMS 506 Biosynthesis, Bioenergetics, and Metabolic Regulation</p> <p>Change prereqs to: BMS 306 or BMS 307 or BMS 311, or BMS 316; and CHEM 210 and 211, or permission of department chair</p>	<p>AS SET GR</p>
Computer Science		
2.1	<p>Course Addition: CS 415 Computer Game Development</p> <p>Change prereqs to: CS 253</p>	AS
2.2	<p>Course revision: CS 151 Computer Science I</p> <p>Remove Skill Area II</p>	<p>AS GE</p>
2.3	<p>Course revision: CS 214 Applications of Computing II</p> <p>Add prereq: CS 213</p>	<p>AS GE</p>
2.4	<p>Course revision: CS 355 Introduction to Systems Programming</p> <p>Change title to Systems Programing</p> <p>Update course description:</p>	AS

2.5	<p>Course revision: CS 483 Theory of Computation</p> <p>Change prereqs to MATH 218 and CS 253</p>	AS
2.6	<p>Program Revision: Major in Computer Science, B.S. (Honors) (Non-Teaching) (CAC/ABET-accredited)</p> <p>In addition to changes listed on submission;</p> <p>Remove “introduction to’ from CS 355 title</p> <p>Change Chem course titles to:</p> <p>CHEM 161 General Chemistry 3 CHEM 162 General Chemistry Lab 1 CHEM 200 Foundations of Analytical Chemistry 3 CHEM 201 Foundations of Analytical Chemistry Lab 1</p>	AS
Construction Management		
3.1	<p>Course Addition: CM 555 Construction Project Control</p> <p>Amended:</p> <p>Change description to read:</p> <p>Application of software to control costs, quality and time as they apply to a construction project.</p>	SET GR
3.2	<p>Course Addition: CM 595 Applied Research in Construction Management</p> <p>Amended:</p> <p>Change description to:</p> <p>Completion of an advanced special project in construction under the supervision of a faculty member. Requirements include a paper and an oral presentation on the project. CM Applied Research Capstone Plan C.</p>	SET GR

3.3	<p>Course Revision: CM 485 Construction Management Senior Seminar</p> <p>Amended:</p> <p>Change title to “CM 485 Construction Management Senior Lab</p>	SET
3.4	<p>Course Revision: 596 Topics in Construction Management</p> <p>Change Course Description: Topics of interest in the construction management field not currently covered by the construction management curricula. Students may take this course under different topics for a maximum of 9 credits.</p>	SET GR
3.5	<p>Program Revision: MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT</p> <p>Course and Capstone Requirements: 33 credit program consisting of 15 credits of common core (CM 505, CM 515, CM 545, CM 575, TM 594), 15-18 credits of electives selected jointly by the student and advisor, and a zero-credit Plan B (Comprehensive Exam) capstone or a 3-credit Plan C (CM 595: Planned Research Project). Students without a formal construction management education background will may be required to take CM 500 (Fundamentals of Construction Management) as a prerequisite condition of admission into the program. If required, CM 500 will not be counted toward completion of the degree.</p> <ul style="list-style-type: none"> • Delete CM 595 Applied Research in Construction as an elective. <p>A maximum of 9 credits may be selected from: Business Management, Engineering Technology (Civil or Mechanical), Natural Sciences, Technology Management</p>	SET GR
Geography		
4.1	<p>Course Revision GEOG 578 Internet GIS and Mapping</p> <p>Amend to:</p> <p>GEOG 578 Advanced GIS and Mapping 3</p> <p>Prereqs Admission to the MS In Geography or Permission of instructor. Advanced study of principles and practices of GIS and Mapping. F(O)</p>	
Gerontology		

5.1	Program Revision Minor in Gerontology Amended as follows: Remove NRSE 490	
History		
6.1	Course Addition: HIST 305 Anicent Mesopotamia Correct number and title is HIST 306 Ancient Mesopotamia International	AS GE
6.2	Course Addition: HIST 306 Ancient Israel Correct number is HIST 307 International	AS GE
6.3	Course Addition: HIST 307 Topics in Ancient History Correct number is HIST 308 International	AS GE
6.4	Course Addition: HIST 406 Legends as Ancient History International	AS GE
6.5	Course Addition: HIST 422 Topics in Japanese History International	AS GE
6.6	Course Addition: HIST 530 Seminar in Ancient History Amended: Change prereqs to :Admission to the M.A. Program in History or Public History or permission of department chair	AS GR

	<p>New proposed amendment:</p> <p>Prerequisite or corequisite: History 501 or 502. If the student has not taken History 501 or 502, please see department chair or M.A. coordinator for permission to enroll.</p>	
6.7	Course Deletion: HIST 433 History of Ancient Greece	AS
6.8	Course Deletion: HIST 434 History of Ancient Rome	AS
International Studies		
7.1	<p>Course Addition IS 500 Practicing International Studies 3</p> <p>Prereq: Admission to MS in International Studies</p> <p>Introduction to the field of international studies. Defines the scope of the questions and the nature of practice in the field, and how scholars find materials for their research and writing. Addresses issues of intellectual integrity common to the scholarly community. Fall</p>	<p>AS</p> <p>GR</p>
7.2	<p>Program Revision Master of Science in International Studies</p> <p>30 credits in International Studies (Plan A or Plan C)</p> <p>1. Common Core (6 Credits)</p> <p>IS 500 Practicing International Studies (new course)</p> <p>IS 570 Modern World Issues</p> <p>2. Geographical Areas and/or Transnational Themes (18 Credits)</p> <p>Students will select 6-12 Credits from each of our program's two focuses, for a total of 18 credits.</p> <p>2a Geographical Areas:</p> <p>12 credits for students who wish to develop a primary focus in a particular world geographical area.</p> <p>9 credits for students who wish to balance Area and Transnational focuses.</p> <p>6 credits for students who wish to complement their primary focus on a Transnational Theme.</p> <p>Courses listed below are for advisory purposes only. Additional courses may be identified with the approval of the advisor. For example, IS 575 (Internship in International Studies), IS 590 (Course Abroad), IS 596 (Independent Studies in International Studies), IS 597 (Seminar in International Studies), HIST 580</p>	<p>AS</p> <p>SEPS</p> <p>GR</p>

(Seminar in Non-Western World History), and HIST 585 (Modern World History) could be included in each area depending on the topic of those courses when offered.

** For any course designated **HIST 4XX**, graduate students must register for **HIST 495** to receive graduate credit.*

Geographical Areas

- Africa (6 to 12 Credits)
 - ANTH 416 Archaeology of Africa
 - ANTH 424 Peoples and Cultures of Africa
 - GEOG 44† Sub-Saharan Africa
 - HIST 431* Ancient Northeast Africa
 - HIST 476* African History through Film
 - HIST 545 History of South Africa since 1900
 - PS 421 Government and Politics of Africa
 - **IS 596 Independent Studies in International Studies**
 - **IS 597 Seminar in International Studies**

- East Asia (6 to 12 Credits)
 - GEOG 435 Japan and Korea
 - GEOG 437 China
 - PS 425 Asian Politics
 - **IS 596 Independent Studies in International Studies**
 - **IS 597 Seminar in International Studies**

- Eastern Europe and Eurasia (6 to 12 Credits)
 - ANTH 426 People and Cultures of Eastern Europe
 - GEOG 448 Russia and Neighboring Regions
 - HIST 444* Mass Politics and Total War in Europe
 - HIST 447* History of the Soviet Union
 - HIST 448* Stalin and Stalinism
 - HIST 481* The Jews of Poland
 - HIST 540 Seminar in European History
 - PS 435 Russia and Eastern Europe
 - **IS 596 Independent Studies in International Studies**
 - **IS 597 Seminar in International Studies**

- Latin America (6 to 12 Credits)
 - GEOG 434 Mexico, Central America, and the Caribbean
 - GEOG 436 South America
 - HIST 455* Historical Representation in Latin America
 - HIST 460* African Enslavement in the Americas
 - HIST 583 Seminar in Latin American History
 - PS 420 Government and Politics in Latin America
 - **IS 596 Independent Studies in International Studies**
 - **IS 597 Seminar in International Studies**

- Middle East (6 to 12 Credits)
 - ANTH 429 Global India
 - HIST 431* Ancient Northeast Africa
 - HIST 474* History of the Arab-Israeli Conflict
 - PS 434 Government and Politics of the Middle East and North Africa
 - PS 439 US Middle East Policy

	<ul style="list-style-type: none"> ▪ IS 596 Independent Studies in International Studies ▪ IS 597 Seminar in International Studies <ul style="list-style-type: none"> ▪ Western Europe and European Union (6 to 12 Credits) <ul style="list-style-type: none"> ▪ GEOG 452 European Union ▪ HIST 444* Mass Politics and Total War in Europe ▪ HIST 445* Ideas and Culture in Europe, 1750-1870 ▪ HIST 446* Ideas and Culture in Europe, 1870-present ▪ HIST 481* The Jews of Poland ▪ HIST 540 Seminar in European History ▪ IS 596 Independent Studies in International Studies ▪ IS 597 Seminar in International Studies <p>2b. Transnational Themes (6-12 credits): 12 credits for students who wish to develop a primary focus on a particular Transnational theme. 9 Credits for students who wish to balance Transnational and Area focuses. 6 Credits for students who wish to complement their primary focus on a Geographical Area.</p> <p>Courses below are for advisory purposes only. Additional courses may be approved by your advisor. For example, IS 575 (Internship in International Studies), IS 590 (Course Abroad), IS 596 (Independent Studies in International Studies), IS 597 (Seminar in International Studies), HIST 580 (Seminar in Non-Western World History), and HIST 585 (Modern World History) could be included in each Transnational theme category depending on the topic.</p> <p><i>* For any course designated HIST 4XX, graduate students must register for HIST 495 to receive graduate credit.</i></p> <p>Transnational Themes</p> <ul style="list-style-type: none"> ▪ Communication and Diversity in the Global Context (6 to 12 Credits) <ul style="list-style-type: none"> ▪ COMM 543 Intercultural Communication ▪ EDF 528 Comparative and International Education ▪ ENG 486 World Literature and Film ▪ HUM 490 The Culture and Civilization of Other Lands ▪ IS 571 International Diversity and Integration ▪ LING 515 Introduction to Sociolinguistics ▪ PSY 430 Psychology of Diversity ▪ WGSS 469 Readings in Women, Gender, and Sexuality Studies ▪ IS 596 Independent Studies in International Studies ▪ Energy, Resources, and Environment (6 to 12 Credits) <ul style="list-style-type: none"> ▪ ANTH 425 Human Ecology ▪ COMM 451 Environmental Communication ▪ ESCI 450 Environmental Geology ▪ GEOG 433 Issues in Environmental Protection ▪ GEOG 473 Geography of Natural Resources ▪ SUST 500 Social, Political, and Ethical Dimensions of Global Sustainability ▪ SUST 501 Contemporary Challenges in Environmental Sustainability ▪ SUST 502 Science of Sustainability ▪ IS 596 Independent Studies in International Studies 	
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	<ul style="list-style-type: none"> ▪ Population, Mobility, and Development (6 to 12 Credits) <ul style="list-style-type: none"> ▪ ANTH 475 Topics in Anthropology (Plagues and People) ▪ ECON 430 International Economics ▪ ECON 435 Economic Development ▪ GEOG 544 The Geography of World Economic Development ▪ IS 596 Independent Studies in International Studies ▪ Governance, Security, and Human Rights (6 to 12 Credits) <ul style="list-style-type: none"> ▪ CJ 510 Proseminar in Negotiation and Conflict resolution ▪ COMM 544 Strategies in Negotiation and Conflict Resolution ▪ HIST 420* Imperialism ▪ PS 445 Public Policy Analysis and Evaluation ▪ PS 501 Advanced Studies in International Law ▪ IS 596 Independent Studies in International Studies <p>3. Research and Capstone Requirements (6 Credits) Plan A: IS 598 Research in International Studies and IS 599 Thesis in International Studies Plan C: IS 598 Research in International Studies and IS 595 Special Project in International Studies</p> <p>4. Language and/or Study Abroad Requirements The International Studies program requires that all students have a level of proficiency in reading, writing, speaking, and understanding of a single modern language, preferably in their area of geographical specialization equal to the completion of the 226 level. Fulfillment of this requirement will be determined by a CCSU instructor of the language and/or the chair of the Modern Language Department. In addition to the language requirement, IS students without significant life or study experiences abroad are strongly encouraged to participate in a study abroad program, whether a course abroad or a semester or summer exchange. Information about study abroad programs is available at the Center for International Education in Barnard Hall.</p> <p>Note: No more than <i>nine credits</i> at the 400 level, as approved by the graduate advisor, may be counted toward the graduate planned program of study. Initially, on acceptance to the program, students are assigned to the International Studies Curriculum Coordinator for advice. As soon as possible, students will be assigned an advisor appropriate to their area or thematic specialization. This advisor will normally serve as the faculty member supervising</p>	
Journalism		
7.1	Course Addition JRN 450 Journalism Studies Abroad Add international	AS

Manufacturing and Construction Management

8.1	<p>Course Revision TM 190 Introduction to Quality Assurance</p> <p>Revise to:</p> <p>TM 190 Global Quality Management Systems 3</p> <p>Overview of the influence of the Japanese Lean Management system and the International Organization for Standardization (ISO) have had on contemporary quality management systems. Topics include Six Sigma, team building, change management, problem solving, and continuous improvement. Study Area III [I]</p>	
8.2	<p>Course Revision TM 456 HAZWHOPPER & Hazardous Material Management</p> <p>Revise to: TM 456 Hazardous Material Management 3</p> <p>Study of environmental regulations and their impact on industrial operations. Emphasis is on application of statutes, regulations and information sources concerning hazardous materials, waste handling and technical decisions pertinent to environmental and safety issues. Spring(O) (GR)</p>	
8.3	<p>Course Revision MFG 216 Manufacturing Processes 3</p> <p>Revise to:</p> <p>MM 216</p> <p>Change prereqs to TM 120 or ENGR 150, or permission of instructor</p> <p>Amend as follows:</p> <p>Change the wording in the description from “three hours lecture and two hours lab” to “two hours lecture and three hours lab.”</p> <p>Note: course remains 3 credits</p>	

8.4	<p>Course Revision MFG 226 Principles of Computer Numerical Control 3</p> <p>Revise to:</p> <p>MM 226 Principles of Computer Numerical Control (CNC)</p> <p>Change prereqs to MM 121 or ETM 260 or permission of instructor</p> <p>Amend as follows:</p> <p>Change the wording in the description from “three hours lecture and two hours lab” to “two hours lecture and three hours lab.”</p> <p>Note: course remains 3 credits</p>	
8.5	<p>Course Revision MFG 236 Tool Design 3</p> <p>Revise to:</p> <p>MM 236</p> <p>Change prereqs to MM 121 or permission of instructor</p> <p>Amend as follows:</p> <p>Change the wording in the description from “three hours lecture and two hours lab” to “two hours lecture and three hours lab.”</p> <p>Note: course remains 3 credits</p>	
8.6	<p>Course Revision EMEC 324 Fluid Power Systems</p> <p>Revise to:</p> <p>MM 324</p> <p>Amend as follows:</p> <p>Change the wording in the description from “three hours lecture and two hours lab” to “two hours lecture and three hours lab.”</p> <p>Note: course remains 3 credits</p>	

Music		
9.1	<p>Course revision: Ethnomusicology</p> <p>Reaffirm Study area I and add “I” designation</p> <p>Change prereqs to: MUS 121 or MUS 109 for music majors (C- or higher); or permission of the Chair of the Department.</p>	AS GE
Physical Education and Human Performance		
10.1	Course deletion: PE 525 Concepts in Athletic Administration	
10.2	Course deletion: PE 524 Sport, Physical Education, Athletics, and the Law	
10.3	<p>Course Addition: EXS 516 Foundations of Leadership for Sport and Exercise</p> <p>Desc.: Explores leadership and followership theories and best practices for sport and exercise professionals. Discusses leader development programming; focuses on the talents, techniques, tactics, and styles of effective leaders and followers.</p>	
10.4	<p>Course Addition: EXS 593 Advanced Physiology of Sport and Exercise II</p> <p>Prereqs: Admission in MS in Physical Education; For Full-Admission a student should have a course in exercise physiology</p> <p>Prop. Desc.: Using exercise physiology as a basis, examination of acute and chronic adaptations of the body to high physiological demands of physical activity and sport. Topics covered include bioenergetics, physiology of the skeletal system, cardiorespiratory system, and renal system.</p>	
10.5	<p>Course revision: EXS 507 Human Perspective in Sport</p> <p>Change title to: Sociological Foundations of Sport and Exercise</p>	

10.6	<p>Course revision: EXS 515 Sport, Physical Activity, and Exercise Psychology</p> <ol style="list-style-type: none"> 1. Change title to: Foundations of Sport and Exercise Psychology 2. Add Prereq: Admission to MS in Physical Education 	
10.7	<p>Course revision: EXS 522 Physical Activity and Health</p> <ol style="list-style-type: none"> 1. Change title and descriptor to: PE Physical Activity and Health Concepts for Physical Educators 2. Change Prereq: Admission to MS in Physical Education 	
10.8	<p>Course revision: EXS 592 Advanced Physiology of Sport & Exercise</p> <p>Change to: EXS 592 Advanced Physiology of Sport & Exercise I 3</p> <p>Prereqs: Full Admission in MS in Physical Education.</p> <p>Using exercise physiology as a basis, examination of acute and chronic adaptations of the body to high physiological demands of physical activity and sport. Topics covered include bioenergetics, physiology of the skeletal system, cardiorespiratory system, and renal system.</p>	
10.9	<p>Program revision: Master of Science in Physical Education</p> <p>Revise as proposed with following amendment:</p> <p>Program Rationale: The graduates of the MS in Physical Education with a specialization in Exercise Science are expected to add to their knowledge, their competency in physical education, and applied skills. An undergraduate program in exercise science or related field is preferred for admission to the master's degree program. This undergraduate program should be the equivalent of the undergraduate program in exercise science at CCSU.</p>	
Physics and Earth Sciences		

11.1	<p>Program Revision Major in Earth Sciences, B.S. (non-teaching)</p> <p>Correct title of 161/162) Delete CHEM 163/164 3) Add CHEM 260 and 201</p>	AS
11.2	<p>Program Revision Major in Earth Sciences with a specialization in Geology, B.S.</p> <p>Correct title of 161/162) Delete CHEM 163/164 3) Add CHEM 260 and 201</p>	AS
11.3	<p>Program Revision Major in Physics, B.S. (non-teaching)</p> <p>Correct title of 161/162 2) Delete CHEM 163/164 3) Add CHEM 260 and 201.</p>	AS
Psychological Science		
12.1	<p>Course Revision: PSY 350 Cross-Cultural Psychology</p> <p>Change number to PSY 420</p> <p>Do not add grad credit, keep “T” designation</p>	AS GR
12.2	<p>Course Revision: PSY 430 Psychology of Diversity</p> <p>Revise as follows:</p> <p>Psy 430 Intergroup Relations 3</p> <p>Prereqs: PSY 112 or permission of instructor. Open to students with junior or higher standing.</p> <p>Focuses on the impact of social categorization on human psychology. Examines the motivational, cognitive, and socio-structural factors that contribute to diverse perspectives and social relations within a national context. Topics may include stereotyping, prejudice, gender issues, race relations, and multiculturalism. [GR]</p>	AS GR
12.3	<p>Course revision PSY 541 Health Psychology</p> <p>Change prereqs to: Admission to graduate program in MA Psychology or</p>	AS GR

	permission of instructor	
12.4	Course Revision PSY 550 Introduction to Community Psychology Change prereqs to: Admission to graduate program in MA Psychology or permission of instructor	AS GR
12.5	Course Revision: Psy 571 Psychology of Women's Health Change prereqs to: Admission to graduate program in MA Psychology or permission of instructor	AS GR
Spanish		
13.1	Course Revision: SPAN 118 Intensive Elementary Spanish Remove International	AS GE
13.2	Program Revision: Major in Spanish, B.A. Add Span 128 Intensive Intermediate Spanish 6 to core for non-native speakers	AS
13.3	Program Revision: Major in Spanish, B.S. (Certifiable for secondary teaching) Add Span 128 Intensive Intermediate Spanish 6 to core for non-native speakers	AS SEPS
STEM		

14.1	<p>Course Revision: SCI 580 Topics in Science Education</p> <p>Revise as follows:</p> <p>SCI 580 Topics in STEM Education</p> <p>Change course desc. to:</p> <p>Science, Technology, Engineering and Math (STEM) topics will vary each time course is offered. Combination of lecture, discussion, inquiry sessions, and student presentations. May be taken more than once for credit under different topics.</p>	AS SET GR
14.2	<p>Course addition: STEM 501 Applying Mathematical Concepts</p> <p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program</p> <p>Course Desc.: Integrating and assessing K-12 students' attainment of grade-appropriate mathematics content and abilities. Focus on Connecticut Common Core State Standards including the Standards for Mathematical Practice.</p> <ul style="list-style-type: none"> • Irregular 	AS SET GR
14.3	<p>Course revision TE 506 STEM in Technology and Engineering Education</p> <p>Revise as follows:</p> <ul style="list-style-type: none"> •Change TE descriptor to STEM •Change course title to: Problem Based Learning in STEM Education •Prereq.: Admission to the MS in STEM program • Change course desc. to: Study of techniques for integrating science, technology, engineering, and math (STEM) content in an engaged learning curriculum. 	AS SET GR
14.4	<p>Course Addition STEM 520 STEM Practices in the Physical Sciences</p>	AS

	<p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program, or admission to any Master's program</p> <p>Course Desc. Emphasis on conceptual understanding of physical science core concepts and technology, engineering, and mathematics (STEM) practices in the National Framework for K12 Science Education and Standards for Technological Literacy. Development of curricular and instructional activities, labs, and assessments for use in the classroom.</p>	<p>SET</p> <p>GR</p>
14.5	<p>Course Addition STEM 530 STEM Practices in the Earth/Space Sciences</p> <p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program, or admission to any Master's program</p> <p>Course Desc. Emphasis on conceptual understanding of earth/space science core concepts and technology, engineering, and mathematics (STEM) practices in the National Framework for K12 Science Education and Standards for Technological Literacy. Development of curricular and instructional activities, labs, and assessments for use in the classroom. Irregular</p>	<p>AS</p> <p>SET</p> <p>GR</p>
14.6	<p>Course Addition STEM 595 Action Research in STEM Education</p> <p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program, completion of 24 credits in the STEM planned program (or permission of instructor), and a 3.00 overall GPA.</p> <p>Course Desc.: Review of current issues and related to science, technology engineering and math (STEM). Synthesize and summarize a variety of scholarly work to provide a new interpretation of a current issue. Requirements include preparation of a research paper for publication.</p>	<p>AS</p> <p>SET</p> <p>GR</p>
14.7	<p>Course Addition Stem 540 STEM Practices in the Life Sciences</p>	<p>AS</p>

	<p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program, or admission to any Master's program</p> <p>Course Desc. Emphasis on conceptual understanding of life science core concepts and technology, engineering, and mathematics (STEM) practices in the National Framework for K12 Science Education and Standards for Technological Literacy. Development of curricular and instructional activities, labs, and assessments for use in the classroom. Irregular</p>	SET GR
14.8	<p>Course Addition STEM 598 Research in STEM Education</p> <p>Amend as follows:</p> <p>Prereq.: Admission to the MS in STEM Education program</p> <p>Course Desc. STEM-oriented research project that addresses immediate school-based issues or problems. Quantitative and/or qualitative methods with emphasis on reflective practices. Requirements include the preparation and submission of this scholarly work for publication. Plan E Capstone.</p>	AS SET GR
14.9	<p>Course Addition TE 517 Robotics Applications for STEM</p> <p>Amend as follows:</p> <ul style="list-style-type: none"> •Change TE descriptor to STEM •Change Title to: Robotics Applications in STEM Education •Prereq.: Admission to the MS in STEM Education program 	AS SET GR
14.10	<p>Course Addition TE 521 Engineering Design for STEM Education</p> <p>Amend as follows:</p> <p>Change TE descriptor to STEM</p> <p>Prereq.: Admission to the MS in STEM Education program</p> <p>Course Desc. Introduction to the fundamentals of engineering design aligned with STEM topics. Design problems are selected from STEM disciplines. Topics include problem identification, brainstorming, project planning,</p>	AS SET GR

	development and design alternatives.	
14.12	<p>Program Addition <u>MS Science, Technology, Engineering, and Math (STEM) for Certified Teachers</u></p> <p>Amend as follows:</p> <ol style="list-style-type: none"> 1. Change Program Title to: MS STEM Education for Certified Teachers 2. Academic Rationale: The MS STEM for K-12 certified teachers will enable teachers to prepare students for the workforce and future STEM careers in Science, Technology, Engineering, and Math. It will expand upon the science, technology, engineering, and math practices and integration of trans-disciplinary curriculum development and assessment in the STEM areas with a focus on national and state content standards. 3. Addition of Learning Outcomes: <ol style="list-style-type: none"> a. Integrate and apply the practices of scientists and engineers into curriculum, instruction, and assessment for use in the classroom b. Demonstrate understanding of the role of inquiry in curriculum instruction, and assessment. c. Integrate the crosscutting concepts of STEM into curriculum, instruction, and assessment d. Apply disciplinary core ideas of STEM into curriculum, instruction, and assessment e. Construct a research plan and carry out independent research on a STEM topic <p>Special Admission Requirements: Open to PK-12 certified teachers</p> <p>Correct the description to read:</p> <p>Electives (3) Any 500 level Science, Technology Education, Engineering Education, or Math course with permission of advisor (3) OR SCI 580: Special Topics (3) 930</p>	AS SET GR
Teachers Education		
15.1	<p>Course Revision <u>EDTE 314 Applied Learning Theories (K-12 Programs)</u></p> <p>Change title to: Applying Learning Theories in Diverse Settings (K-12 Programs):</p> <p>Remove prereqs</p> <p>Change description to: 20 hours of field experience in assigned settings required. Examination of educational theory and research related to K-12 practices, learning communities, and learners' developmental needs that</p>	

	<p>promote equity. The course emphasizes elementary level teaching.</p> <p>Remove fall cycling</p>	
Theater		
16.1	<p>Course Revision: TH 115 Play Production</p> <p>Change prereqs: By permission of department</p> <p>Change description: Students may elect to work in stagecraft, lighting, sound, scene painting or properties, costuming, front- of-house management, or performance. May be repeated for maximum of 6 credits</p>	AS
16.2	<p>Course Revision: TH 148 Studio Performance I</p> <p>Change title to TH 148 Performance Studio</p>	AS GE
16.3	<p>Course Revision: TH 165 Improvisation for the Classroom</p> <p>Change cycling to irregular</p>	AS
16.4	<p>Course Revision: TH 217 Sceno-Graphic Techniques</p> <p>Add prereq of TH 111</p>	AS
16.5	<p>Course Revision: TH 347 Acting III</p> <p>Amend prereqs to: TH 246 and 338, or permission of instructor</p> <p>Deleting the two lectures and one two hour lab per week, so students can do rehearsals on varying schedules.</p>	AS
16.6	<p>Course Revision: TH 352 Directing for the Stage</p> <p>Change preqs to: TH 246 and TH 253, or by permission of department</p>	AS
16.7	<p>Course Revision: TH 465 Creative Dramatics for Children</p>	AS

	Change prereqs to: TH 165 or permission of department	
16.8	Course Deletion: TH 348 Performance Studio II	AS
16.9	Program Deletion: Major in Theatre with Specialization in Costume Design, BFA (65 credits)	AS