

University Curriculum Committee

March 28, 2019 Meeting Minutes

The University Curriculum Committee met on **Thursday, March 28** at 3:00 p.m. in the Deans' Conference Room, Derryberry 200.

Members Present:

Melinda Anderson	Julie Baker	Rita Barnes	Doug Bates
Jeff Boles	Brittany Copley	Dennis Duncan	Chris Brown
Chris Wilson	Ahmed Elsayy	Steve Frye	Julie Galloway
Mike Harrison	Steve Isbell	Kim Hanna	Brandi Hill
Darrell Hoy	Sharon Huo	Brandon Johnson	Christy Killman
Lori Maxwell	Thomas Payne	Wendy Mullen	Pedro Arce
Paul Semmes	Jeff Roberts	Joe Roberts	Martin Sheehan
Thomas Timmerman	Jeremy Wendt, Chair	Janet Whitaker	Brenda Wilson
Kim Winkle	Lisa Zagumny		

Members Absent:

Edith Duvier	Lori Bruce	Kurt Eisen	Satish Mahajan
Jerry Gannod	Mike Gotcher	Bruce Green	Adam Grim
Hayden Mattingly	Allan Mills	Ben Mohr	Richard Rand
Mohan Rao	Stephen Robinson	Jennifer Shank	Barry Stein
Mark Stephens	Zachary Grainger, student	Courtney Fowler, student	Caitryn Craig, student
Nick Lawson, student	Alicen Long, student	Braden Benton, student	

Official Representative(s):

Linda Null	FOR	Ted Pelton		
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Guest(s):

Cari Williams, Records	Amy Miller, Intl' Education	Natarajan Ramachadran, Business	
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Outline of Proceedings:

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| <ol style="list-style-type: none"> 1. Approval of agenda 2. Approval of February 28, 2019 minutes 3. Art, Craft, and Design 4. English 5. Chemistry 6. Curriculum & Instruction 7. History 8. Foreign Languages 9. Sociology & Political Science 10. Human Ecology 11. Manufacturing Engineering | <ol style="list-style-type: none"> 12. General & Basic Engineering 13. Music 14. Computer Science 15. Economics, Finance & Marketing 16. Decision Sciences & Management 17. Nursing 18. Interdisciplinary Studies 19. Agriculture 20. Election of 2019-2020 Chairperson 21. Revision of the UCC Procedures |
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Proceedings:

Perceiving a quorum, Dr. Wendt called the meeting to order at 3:10pm.

1. Approval of agenda

Motion to approve. Jeremy Wendt

Second. Julie Baker

Vote. Motion carried.

2. Approval of minutes, February 28, 2019

Motion to approve. Christy Killman

Second. Lisa Zagumny

Vote. Motion carried.

3. Art, Craft, & Design

A. Course deletion.

1) ARED 3200: Art Applications, Lec. 1, Credit 1.

Justification: Course is no longer taught and is not part of the current BFA Art Education curriculum.

B. Catalog correction.

1) ARED 3155: Elementary Practicum, Lab. 1, Credit 1.

Prerequisite: Full admission to the Teacher Education Program. ARED 2020 and ARED3200

Co-requisite: ART 3205

Add Prerequisite: Full admission to the Teacher Education Program.

Remove prerequisite: ARED 3200: Art Applications

Justification: The office of teacher education requires admission into their program prior to registration of this course. ARED 3200 is no longer taught and is being removed.

2) ARED3165: Secondary Practicum, Lab.1, Credit 1.

Prerequisite: Full admission to the Teacher Education Program. ARED 2020, ARED 3155, ARED 3200 and ART 3205.

Add prerequisite: Full admission to the Teacher Education Program.

Remove prerequisite: ARED 3200: Art Applications

Justification: The office of teacher education requires admission into their program prior to registration of this course. ARED 3200 is no longer taught and is being removed.

3) ART 3205: Methods and Media, Lec. 2, Lab 1. Credit 3.

Prerequisite: Full admission to the Teacher Education Program. ARED 2020 and ARED 3200.

Add prerequisite: Full admission to the Teacher Education Program.

Remove prerequisite: ARED 3200: Art Applications

Justification: The office of teacher education requires admission into their program prior to registration of this course. ARED 3200 is no longer taught and is being removed.

Motion to approve. Kimberly Winkle

Second. Lisa Zagumny

Vote. Motion carried.

C. Curriculum changes.

1) ART 3510: Clay on the Wheel. Studio 6. Credit 3.

Prerequisite: ART 1010, ART 2310, ART 2510 or permission of instructor.

May be repeated up to 12 credit hours.

Delete Prerequisites: ART 1010, ART 2310, and ART 2510.

Justification: It is not necessary for students to have completed art foundations courses in order to successfully complete ART 3510. However, students must complete art foundations courses in order to further advance in the clay curriculum.

Motion to approve. Kimberly Winkle

Second. Julie Baker

Vote. Motion carried.

4. English

A. Minor Deletion.

1) WEBD minor deletion from the undergraduate catalog.

Justification: Most of the courses required for the WEBD minor are no longer being taught. Students believe minor is available when looking at the catalog when it is not. Courses can remain in catalog for future in case minor is reinstated.

B. Curriculum Changes.

2) **Add PC/WEBD 3500 to the list of courses to include in the Professional and Technical Communication minor.**

From:

PC 3250—Professional Communication 1 Credit: 3.

PC 3700—Information Design in the Professions Credit: 3.

PC 3750—Ethics in the Professions Credit: 3.

PC 4850 (5850)—Internship Credit: 3, 6, 9.

PC 4940 (5940)—Technical Editing Credit: 3.

PC 4970 (5970)—Professional Communication II Credit: 3

PC 4990—Business and Grant Proposal Writing Credit: 3

To:

PC 3250—Professional Communication 1 Credit: 3.

PC/WEBD 3500—Rhetoric and the Internet Credit: 3

PC 3700—Information Design in the Professions Credit: 3.

PC 3750—Ethics in the Professions Credit: 3.

PC 4850 (5850)—Internship Credit: 3, 6, 9.

PC 4940 (5940)—Technical Editing Credit: 3.

PC 4970 (5970)—Professional Communication II Credit: 3

PC 4990 (5990)—Business and Grant Proposal Writing Credit: 3

Motion to approve. Linda Null

Second. Mark Sheehan

Vote. Motion carried.

5. Chemistry

A. Curriculum Changes.

- 1) Addition of CHEM 4210 Chemistry of Polymers to the requirements for certification by the American Chemical Society.

Make the following change to the paragraph before the chemistry curricula entry on page 118 of the 2018-19 catalog.

Add CHEM 4210 to the required courses in item 2 and delete 4210 from the elective courses in item 3. Change the number of elective courses in item 3 from three to two.

A student in any chemistry concentration may attain certification by the American Chemical Society as determined by the Chemistry faculty. The Chemistry Department defines specific areas of certification including, but not restricted to, pure chemistry, biochemistry and environmental chemistry. The requirements for certification in these areas are outside the curricular requirements of the three major concentrations.

To attain ACS-certification within one of the following concentrations, a student must complete the following minimum requirements:

1. The student must take MATH 1920.
 2. The student must take CHEM 2010, 3510, 4210, 4520, 4610, and 4991. CHEM 3510 and 4520 may be substituted for 3500 and 3420, respectively, in curricula where the lower courses are required.
 3. The student must take a minimum of two three advanced courses chosen from: CHEM 3520, 4110, 4150, 4210, 4310, 4320, 4410, 4620, 4650, 4710, 4720.
 4. The advanced courses above must include a minimum of three credit hours of laboratory including either CHEM 4150 or 4650.
 5. Requirements for specific areas of certification can be obtained from the Chemistry Advisor.
- 2) Shift this entry in the catalog up two lines to immediately after the heading Chemistry (CHEM).

B. Curriculum Changes.

- 1) Addition/deletions/edits of courses, footnotes, and introductory information
- 2) Update of the language associated with our programs to become more compliant with Federal Financial Aid Course Program of Study (CPoS) requirements. Rename program "General Curriculum Track with a Pre-Professional Health Science Focus."

From:

Pre-Professional Health Sciences

The pre-medicine, pre-dentistry, pre-pharmacy, pre-optometry and pre-allied health science students must take certain courses required by the professional school while at TTU, but they can do so while pursuing almost any major. In most pre-professional health science areas, students have the option of obtaining a B.S. in Applied Chemistry from TTU after three years at

TTU and one year at a professional school. Pre-veterinary students have the special option of majoring in Agriculture with a concentration in animal science. Pre-professional health science students are advised by Instructors Ann Marie Carrick (acarrick@tntech.edu) and Janet Coonce (jcoonce@tntech.edu) and advisor Thomas Turner (tltturner@tntech.edu) <https://www.tntech.edu/cas/healthsciences/>. Pre-veterinary students are advised by Professor Bruce Greene (bgreene@tntech.edu) in the School of Agriculture.

To:

Pre-Professional Health Sciences focus within General Curriculum

Students who wish to pursue healthcare careers in fields such as medicine, dentistry, and pharmacy follow a General Curriculum Track with a Pre-Professional Health Sciences Focus for the first two years at TTU. The pre-medicine, pre-dentistry, pre-pharmacy, pre-optometry, pre-physician assistant, pre-physical therapy, pre-occupational therapy, pre-dental hygiene, pre-medical technology, and pre-health information management students must take certain courses required by the professional school while at TTU, but they can do so while pursuing almost any major. Students are advised to declare their BA or BS degree-granting major prior to earning 60 credits. Pre-veterinary students are advised in the School of Agriculture.

From:

Pre-Professional Programs

FOR DEGREE PROGRAMS - SEE APPLIED CHEMISTRY

Students who intend to obtain a baccalaureate degree and major in a pre-health science program should see the curriculum for Chemistry, Applied Chemistry Concentration.

Pre-professional programs are designed to satisfy minimum requirements for admission to professional schools. Some students complete only these minimum course requirements prior to seeking admission to the professional school; some students enroll in degree programs such as biology, chemistry, engineering, physics, or others, and also take courses to complete the minimum professional school requirements because many of the courses satisfy requirements in both programs. In the case of pre-law, there is no specific degree required; therefore, students interested in law usually pursue a bachelor's degree in a field of their interest such as history, political science, or some area of business.

To:

Pre-Professional Health Sciences Programs focus within General Curriculum

Pre-Professional Health Sciences Programs within General Curriculum in the College of Arts and Sciences are designed to satisfy minimum requirements for admission to professional schools. The majority of students enroll in degree programs such as biology, chemistry, engineering, etc., while also taking courses to complete the minimum professional school requirements. Students are advised to declare their major prior to earning 60 credits. Students may elect to take additional coursework

in biology, chemistry, psychology, and the humanities, etc., to become a more competitive applicant to professional school.

From:

Pre-Dental Hygiene

Pre-Allied Health Science Curricula

In addition to the pre-professional curricula offered in medicine, dentistry, optometry and pharmacy, Tennessee Technological University also offers preprofessional programs in auxiliary or paramedical specialties of the health professions, including medical technology, dental hygiene, physical therapy, health information management, and others.

Students who wish to apply for admission to an allied health professional program without a degree from Tennessee Technological University should follow one of the programs listed under the pre-professional programs and consult with a pre-professional health science advisor. These programs closely fit requirements of most professional schools. Students desiring a Bachelor of Science degree from a professional school should plan to meet the requirements of that professional school.

Remove HIT 1010 Medical Terminology Credit: 3.

To:

General Curriculum Pre-Dental Hygiene

Tennessee Tech offers the prerequisite coursework required by dental hygiene bachelor's degree programs. Students complete prerequisite coursework outlined below at TTU then apply for admission to dental hygiene programs at other institutions such as East Tennessee State University (ETSU), University of Tennessee Health Sciences Center (UTHSC), and others. Entrance into dental hygiene programs is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below.

Replace HIT 1010 Medical Terminology with HIMT 1300 Medical Terminology Credit: 3.

From:

Pre-Dentistry

Remove introductory Text:

Completion of this three-year program meets the requirements for admission to most dental schools but does not guarantee entrance. Admission into any professional school is competitive.

To:

Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to dental school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Additional courses in chemistry and biology are suggested. Entrance into

dental school is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with dental school admissions.

From:

Pre-Health Information Management

Pre-Allied Health Science Curricula

Remove introductory text:

In addition to the pre-professional curricula offered in medicine, dentistry, optometry and pharmacy, Tennessee Technological University also offers preprofessional programs in auxiliary or paramedical specialties of the health professions, including medical technology, dental hygiene, physical therapy, health information management, and others.

Students who wish to apply for admission to an allied health professional program without a degree from Tennessee Technological University should follow one of the programs listed under the pre-professional programs and consult with a pre-professional health science advisor. These programs closely fit requirements of most professional schools. Students desiring a Bachelor of Science degree from a professional school should plan to meet the requirements of that professional school.

Remove HIT 1010 Medical Terminology Credit: 3.

To:

[General Curriculum Pre-Health Information Management](#)

The curriculum below is geared towards The University of Tennessee Health Science Center's (UTHSC) entry-level Master of Health Informatics and Information Management (MHIIM) program. This fully online program requires a baccalaureate degree and completion of the prerequisite courses below. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Entrance into health information management programs is competitive and is not guaranteed solely by completing the prerequisite coursework outlined below.

Replace HIT 1010 Medical Terminology Credit: 3 with HIMT 1300 Medical Terminology Credit: 3.

Update footnote to include: 12 credits of electives must be at the 3000-4000 level. The entry-level MHIIM program at UTHSC is online.

From:

Pre-Medical Technology

Pre-Allied Health Science Curricula

In addition to the pre-professional curricula offered in medicine, dentistry, optometry and pharmacy, Tennessee Technological University also offers

preprofessional programs in auxiliary or paramedical specialties of the health professions, including medical technology, dental hygiene, physical therapy, health information management, and others.

Students who wish to apply for admission to an allied health professional program without a degree from Tennessee Technological University should follow one of the programs listed under the pre-professional programs and consult with a pre-professional health science advisor. These programs closely fit requirements of most professional schools. Students desiring a Bachelor of Science degree from a professional school should plan to meet the requirements of that professional school.

To:

[General Curriculum Pre-Medical Technology](#)

It is recommended that Pre-Medical Technology students research the requirements at the various med tech schools and see a Pre-Professional advisor with specific questions regarding the different entrance pathways. Entrance into Med Tech programs is competitive and is not guaranteed solely by completing the prerequisite coursework outlined below.

From:

Pre-Medicine

Remove introductory text:

Completion of this three-year program meets the requirements for admission to most medical schools but does not guarantee entrance. Admission to any professional school is competitive.

To:

[General Curriculum Pre-Medicine](#)

Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to medical school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Additional courses in chemistry and biology are suggested. Entrance into medical school is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with medical school admissions

Add second statistics option: "or MATH 1530- Introductory Statistics Credit: 3."

From:

Pre-Occupational Therapy

Remove HIT 1010 Medical Terminology Credit: 3.

Remove ANTH 1100 Introduction to Anthropology Credit: 3.

To:

[General Curriculum Pre-Occupational Therapy](#)

Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to occupational therapy school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Entrance into occupational therapy school is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with occupational therapy school admissions.

Replace HIT 1010 Medical Terminology Credit: 3 with HIMT 1300 Medical Terminology Credit: 3.

Adjust elective credits to "21-23"

From:
Pre-Optometry

Remove introductory text:
Completion of this three-year program meets the requirements for admission to most Optometry schools but does not guarantee entrance. Admission to any professional school is competitive.

To:
[General Curriculum Pre-Optometry](#)
Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to optometry school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Entrance into optometry school is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with optometry school admissions.

Add second statistics option "or MATH 3070 Statistical Methods I Credit: 3."

From:
Pre-Pharmacy

To:
[General Curriculum Pre-Pharmacy](#)

Add second statistics option "or MATH 3070 Statistical Methods I Credit: 3."

From:
Pre-Physical Therapy

Remove introductory text:
In addition to the pre-professional curricula offered in medicine, dentistry, optometry and pharmacy, Tennessee Technological University also offers preprofessional programs in auxiliary or paramedical specialties of the health

professions, including medical technology, dental hygiene, physical therapy, health information management, and others.

Students who wish to apply for admission to an allied health professional program without a degree from Tennessee Technological University should follow one of the programs listed under the pre-professional programs and consult with a pre-professional health science advisor. These programs closely fit requirements of most professional schools. Students desiring a Bachelor of Science degree from a professional school should plan to meet the requirements of that professional school.

To:

General Curriculum Pre-Physical Therapy

Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to physical therapy school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Entrance into physical therapy school is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with physical therapy school admissions

From:

Pre-Physician Assistant

Remove HIT 1010 Medical Terminology Credit:3.

To:

General Curriculum Pre-Physician Assistant

Add introductory text:

Students should earn at least 120 credit hours and a B.S. or B.A. degree to be competitive for admission to physician Assistant school. It is recommended that elective hours be taken from general education core requirements or a selected bachelor's degree program. Entrance into physician assistant programs is very competitive and is not guaranteed solely by completing the prerequisite coursework outlined below. Consult with your advisor regularly about academic and non-academic factors associated with physician assistant program admissions.

Replace HIT 1010 Medical Terminology Credit: 3 with HIMT 1300 Medical Terminology Credit: 3.

Motion to approve. Jeffrey Boles

Second. Joe Roberts

Vote. Motion carried.

6. Curriculum & Instruction

A. Course changes.

From:

SPED 3000. Teaching Persons with Disabilities in the Regular Classroom Lec. 3. Credit 3.

Prerequisite: Full admission to the Teacher Education Program. Alternatives in educational assessment, materials, methods, and procedures for the regular classroom teacher.

To:

SPED 3000. Teaching Persons with Disabilities in the Regular Classroom Lec. 3. Credit 3.

Prerequisite: Full admission to the Teacher Education Program. Alternatives in educational assessment, materials, methods, and procedures for the regular classroom teacher. A minimum grade of B is required to meet requirements for licensure candidates.

Motion to approve. Julie Baker

Second. Christy Killman

Vote. Motion carried.

B. Curriculum Changes.

Multidisciplinary Studies, English as a Second Language Concentration, B.S.

1) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

2) From:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:

Humanities/Fine Arts Elective (Gen Ed) (**credit 6**)

Multidisciplinary Studies, Middle School English, 6-8 Concentration, B.S.

3) From:

Natural Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

Multidisciplinary Studies, Middle School Math, 6-8 Concentration, B.S.

4) From:

Natural Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

- 5) **From:**
ENGL 2130. Topics in American Literature (credit 3)
To:
ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3) OR
ENGL 2330. Topics in World Literature (credit 3)

- 6) **From:**
MATH 1630. Finite Mathematics (credit 3)
Elective (credit 1)
*Deleting this course from Sophomore year
To:
MATH 1720. Pre-calculus Trigonometry (credit 3)
*This is moving from Junior year to Sophomore year

- 7) **From:**
TOTAL credits for Sophomore year 34

To:
TOTAL credits for Sophomore year 33

- 8) **From:**
MATH 1720. Pre-calculus Trigonometry (credit 3)
*Listed Junior Year (moving to Sophomore year)

To:
MATH 1910. Calculus I (credit 4)
*Adding this to Junior year

- 9) **From:**
TOTAL credits for Junior year 30

To:
TOTAL credits for Junior year 31

Multidisciplinary Studies, Middle School Science, 6-8 Concentration, B.S.

- 10) **From:**
MATH 1710. Pre-calculus Algebra (credit 3)

To:
MATH 1130. College Algebra (credit 3) OR
MATH 1710. Pre-calculus Algebra (credit 3)

- 11) **From:**

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3) OR
ENGL 2330. Topics in World Literature (credit 3)

Multidisciplinary Studies, Middle School Social Studies, 6-8 Concentration, B.S.

12) From:

Natural Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

13) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3) OR
ENGL 2330. Topics in World Literature (credit 3)

14) From:

HIST 2210. Early Western Civilization (credit 3)

To:

HIST 2210. Early Western Civilization (credit 3) OR
HIST 2220. Modern Western Civilization (credit 3)

15) From:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:

Humanities/Fine Arts Elective (Gen Ed) (credit 6)

ADD: HIST 2310. Early World History (credit 3)

***Add this to the Sophomore Year**

Secondary Education, Biology Concentration, B.S.ED.

16) From:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:

Humanities/Fine Arts Elective (Gen Ed) (credit 6)

17) From:

TOTAL credits for Freshman year 30

To:
TOTAL credits for Freshman year 33

18) From:
ENGL 2130. Topics in American Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

19) From:
TOTAL credits for Sophomore year 30

To:
TOTAL credits for Sophomore year 27

20) From:
MATH 1710. Pre-calculus Algebra (credit 3)

To:
MATH 1130. College Algebra (credit 3) OR
MATH 1710. Pre-calculus Algebra (credit 3)

Secondary Education, Chemistry Concentration, B.S.ED.

21) From:
Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:
Humanities/Fine Arts Elective (Gen Ed) **(credit 6)**

22) From:
TOTAL credits for Freshman year 30

To:
TOTAL credits for Freshman year 33

23) From:
BIOL 1010. Introduction to Biology (credit 4)
BIOL 1020. Diversity of Life (credit 4)

To:
BIOL 1010. Introduction to Biology (credit 4) **OR**
BIOL 1113. General Biology I (credit 4)
BIOL 1020. Diversity of Life (credit 4) **OR**
BIOL 1123. General Biology II (credit 4)

24) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

25) From:

TOTAL credits for Sophomore year 30

To:

TOTAL credits for Sophomore year 27

26) From:

MATH 1710. Pre-calculus Algebra (credit 3)

To:

MATH 1130. College Algebra (credit 3) OR
MATH 1710. Pre-calculus Algebra (credit 3)

Secondary Education, Earth Science Concentration, B.S.ED.

27) From:

BIOL 1010. Introduction to Biology (credit 4)
BIOL 1020. Diversity of Life (credit 4)

To:

BIOL 1010. Introduction to Biology (credit 4) **OR**
BIOL 1113. General Biology I (credit 4)
BIOL 1020. Diversity of Life (credit 4) **OR**
BIOL 1123. General Biology II (credit 4)

28) From:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:

Humanities/Fine Arts Elective (Gen Ed) **(credit 6)**

29) From:

TOTAL credits for Freshman year 26

To:

TOTAL credits for Freshman year 29

30) From:

ENGL 2130. Topics in American Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

31) From:
TOTAL credits for Sophomore year 33

To:
TOTAL credits for Sophomore year 30

32) From:
MATH 1710. Pre-calculus Algebra (credit 3)

To:
MATH 1130. College Algebra (credit 3) OR
MATH 1710. Pre-calculus Algebra (credit 3)

Secondary Education, Physics Concentration, B.S.ED.

33) From:
ENGL 2130. Topics in American Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) OR
ENGL 2330. Topics in World Literature (credit 3)

34) From:
FOED 3820. Field Experience in Education (credit 1-2) Credit 2

To:
FOED 3820. Field Experience in Education (credit 1-2) **two credits required**

35) From:
PHYS 1903. Special Topics in Physics and Physics Education (credit 1-4) three credits required

To:
PHYS Elective (credit 3) OR
PHYS 1903. Special Topics in Physics and Physics Education (credit 1-4) three credits required

Secondary Education, Economics Concentration, B.S.ED.

36) From:
Science Sequence (Gen Ed) (credit 8)

To:
Natural Science (Gen Ed) (credit 8)

37) From:
ENGL 2130. Topics in American Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

38) From:
HIST 2210. Early Western Civilization (credit 3)
HIST 2220. Modern Western Civilization (credit 3)
*Listed Sophomore year

To:
HIST 2210. Early Western Civilization (credit 3) **OR**
HIST 2220. Modern Western Civilization (credit 3)
***Move to Junior year; change to OR option**

39) From:
HIST 2310. Early World History (credit 3) **OR**
HIST 2320. Modern World History (credit 3)
*Listed Junior Year

To:
HIST 2310. Early World History (credit 3)
HIST 2320. Modern World History (credit 3)
***Move to Sophomore Year, remove OR option**

40) From:
ECON Upper Division Elective (credit 3)

To:
ECON Upper Division Elective **(credit 9)**

41) ADD:
Humanities/Fine Arts Elective (Gen Ed) (credit 3)
***Add to Sophomore year**

42) DELETE:
ECON 4510(5510). International Trade & Finance (credit 3)
ECON 4530(5530). History of Economic Thought (credit 3)
***Delete from Junior Year**

Secondary Education, Geography Concentration, B.S.ED.

43) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

44) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) **OR**

ENGL 2235. Topics in British Literature (credit 3) **OR**

ENGL 2330. Topics in World Literature (credit 3)

45) From:

HIST 2310. Early World History (credit 3) **OR**

HIST 2320. Modern World History (credit 3)

TO:

HIST 2310. Early World History (credit 3)

HIST 2320. Modern World History (credit 3)

***remove OR option**

46) From:

HIST 2210. Early Western Civilization (credit 3)

To:

HIST 2210. Early Western Civilization (credit 3) **OR**

HIST 2220. Modern Western Civilization (credit 3)

47) From:

GEOG Upper Division Elective (credit 3)

GEOG Elective (credit 3)

To:

GEOG Upper Division Elective **(credit 6)**

GEOG Elective **(credit 6)**

48) ADD:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)

***Add to Sophomore year**

49) DELETE:

GEOG 1010. Weather & Climate (credit 3)

GEOG 3010. Geography of the United States (credit 3)

***Delete from Junior year**

Secondary Education, History Concentration, BED

50) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

51) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

52) From:

HIST 2210. Early Western Civilization (credit 3)

To:

HIST 2210. Early Western Civilization (credit 3) **OR**
HIST 2220. Modern Western Civilization (credit 3)

53) From:

HIST 2310. Early World History (credit 3) **OR**
HIST 2320. Modern World History (credit 3)

To:

HIST 2310. Early World History (credit 3)
HIST 2320. Modern World History (credit 3)
***remove OR option**

54) From:

HIST Upper Division Electives (credit 6)

To:

HIST Upper Division Electives **(credit 9)**

55) ADD:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)
***Add to Sophomore year**

56) DELETE:

HIST 3410. Introduction to Historical Methods (credit 3)
***Delete from the Junior year**

Secondary Education, Political Science Concentration, B.S.ED.

57) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

58) From:

ENGL 2130. Topics in American Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) **OR**

ENGL 2235. Topics in British Literature (credit 3) **OR**

ENGL 2330. Topics in World Literature (credit 3)

59) From:

HIST 2210. Early Western Civilization (credit 3)

HIST 2220. Modern Western Civilization (credit 3)

*Listed Sophomore year

To:

HIST 2210. Early Western Civilization (credit 3) **OR**

HIST 2220. Modern Western Civilization (credit 3)

***Move to Junior year; change to OR option**

60) From:

HIST 2310. Early World History (credit 3) **OR**

HIST 2320. Modern World History (credit 3)

*Listed Junior Year

To:

HIST 2310. Early World History (credit 3)

HIST 2320. Modern World History (credit 3)

***Move to Sophomore Year, remove OR option**

61) ADD:

Humanities/Fine Arts Elective (credit 3)

***Add to Sophomore year**

62) DELETE:

POLS 3310. Politics of Developing Nations (credit 3) **OR**

POLS 3320. U.S. Policy Toward Latin America (credit 3) **OR**

POLS 3610. International Politics (credit 3) **OR**

POLS 4960. Seminar in World Politics (credit 3)

POLS 3810. Judicial Process (credit 3) **OR**

POLI 4350 (credit 3)

POLS 4510. Comparative Government: Europe (credit 3)

***Delete from Junior year**

63) ADD:

POLS Upper Division Elective (credit 9)

***Add to Junior year**

Secondary Education, English Concentration, B.S.ED.

64) From:

ENGL 3250. Professional Communication I (credit 3) OR
any upper division English Writing Course, Linguistics, Grammar, or History of
English Language (credit 3)

To:

ENGL 3250. Professional Communication I (credit 3) OR
ENGL 3400. Introduction to Creative Writing (credit 3) OR
ENGL 4411(5411). Writing in the Professions (credit 3) OR
ENGL 4511(5511). Introduction to Descriptive Linguistics (credit 3) OR
ENGL 4521(5521). History of the English Language (credit 3) OR
ENGL 4531(5531). Grammar and Language (credit 3) OR
ENGL 4541(5541). Topics in Linguistics/Language (credit 3) OR
Any Upper Division English Writing Course, Linguistics, Grammar, or History of
English Language (credit 3)

65) From:

ENGL 4751(5751). Topics in Non-Western Lit (credit 3) OR
ENGL 4712(5712). African American Lit (credit 3) OR
ENGL 4713(5713). Native American Lit (credit 3) OR
ENGL 4700. Non-Western Literature (credit 3)

To:

ENGL 4751(5751). Topics in Non-Western Lit (credit 3) OR
ENGL 4712(5712). African American Lit (credit 3) OR
ENGL 4713(5713). Native American Lit (credit 3) OR
ENGL 4700. Non-Western Literature (credit 3) **OR**
English Literature Upper Division Elective (credit 3)

66) From:

ESLP 4100(5100). ESL Methodology and Materials for PreK-12 (credit 3) OR
TEAE 4020 Reading, Writing and Learning Methods for ESL (credit 3)

To:

ESLP 4100(5100). ESL Methodology and Materials for PreK-12 (credit 3)

Secondary Education, Mathematics Concentration, B.S.ED.

67) From:

Science Sequence (Gen Ed) (credit 8)

To:
Natural Science (Gen Ed) (credit 8)

68) From:
ENGL 2130. Topics in American Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

69) From:
Humanities/Fine Arts Elective (Gen Ed) (credit 3)

To:
Humanities/Fine Arts Elective (Gen Ed) **(credit 6)**

Secondary Education, French Concentration, B.S.ED.

70) From:
Science Sequence (Gen Ed) (credit 8)

To:
Natural Science (Gen Ed) (credit 8)

71) From:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3)

To:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

72) ADD:
Humanities/Fine Arts Elective (Gen Ed) (credit 3)
***Add to Sophomore year**

Secondary Education, German Concentration, B.S.ED.

73) From:
Science Sequence (Gen Ed) (credit 8)

To:
Natural Science (Gen Ed) (credit 8)

74) From:
ENGL 2130. Topics in American Literature (credit 3) **OR**
ENGL 2235. Topics in British Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

75) ADD:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)
***Add to Sophomore year**

Secondary Education, Spanish Concentration, B.S.ED

76) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

77) From:

ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3)

To:

ENGL 2130. Topics in American Literature (credit 3) OR
ENGL 2235. Topics in British Literature (credit 3) **OR**
ENGL 2330. Topics in World Literature (credit 3)

78) ADD:

Humanities/Fine Arts Elective (Gen Ed) (credit 3)
***Add to Sophomore year**

Secondary Education, Speech Communication & Theatre Concentration, B.S.ED.

79) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

Secondary Education, Non-Licensure Concentration, B.S.ED.

80) From:

Science Sequence (Gen Ed) (credit 8)

To:

Natural Science (Gen Ed) (credit 8)

81) From:

Content Electives-Any BIOL, CHEM, ECON, ENGL, GEOG, HIST, MATH, POLS
(credit 12)

To:

Content Electives (credit 12)

***Sophomore year**

82) From:

Content Electives-Any BIOL, CHEM, ECON, ENGL, GEOG, GEOL, HIST, MATH,
PHYS, POLS, READ, SEED

To:

Content Electives (credit 15)

***Junior Year**

83) From:

Upper Division Content Electives²-Any BIOL, CHEM, ECON, ENGL, GEOG, GEOL,
HIST, MATH, PHYS, POLS, READ, SEED (credit 15)

To:

Upper Division Content Electives² (credit 15)

***Senior Year**

Motion to approve. Julie Baker

Second. Lisa Zagumny

Vote. Motion carried.

C. Addition of SERVICE Certificate

The department of Curriculum and Instruction would like to create a SERVICE Certificate at both the Undergraduate and Graduate level. The SERVICE Certificate Program is an interdisciplinary certificate at TTU that offers undergraduate and graduate students the opportunity to identify and participate in service learning opportunities that have lasting community impacts. This program is a collaboration among the TTU Office of Service Learning and the College of Education, specifically the Department of Curriculum & Instruction, to recognize and promote students' efforts in service learning. The SERVICE Program will provide students with opportunities through coursework and experiential service learning that will improve their soft skills (leadership, team building, etc.) while serving the local community. The SERVICE Program reinforces TTU's mission of developing student capacity in service and outreach to benefit the people of Tennessee and the nation.

**Friendly Amendment: Certificate program will require 18 credit hours instead of 15 credit hours.*

Motion to approve. Julie Baker

Second. Lisa Zagumny

Vote. Motion carried.

7. History

A. Program change.

Exclude FREN 3510, GERM 3520, SPAN 3510, and SPAN 3550 from the list of courses that may be used to fulfill the upper-division Foreign Language course requirements for the B.A.

8. Foreign Languages

A. Catalog Description changes.

From:

FLST 1011 - Elementary Foreign Language Study I

Credit 1-3.

Prerequisite: FLST 1013 or equivalent is prerequisite to FLST 1021. Essentials of the language, developing listening and reading comprehension, oral and written communication, and cultural understanding. Course may be repeated if the language is different.

FLST 1013 - Elementary Foreign Language Study I

Credit 1-3.

Prerequisite: FLST 1013 or equivalent is prerequisite to FLST 1021. Essentials of the language, developing listening and reading comprehension, oral and written communication, and cultural understanding. Course may be repeated if the language is different.

To:

FLST 1011 - Elementary Foreign Language Study I

Credit 1-3.

Essentials of the language, developing listening and reading comprehension, oral and written communication, and cultural understanding. Language of study is not regularly offered on campus. This course will primarily be used for study abroad and for transfer credit. Course may be repeated if the language is different. Prerequisite: None

FLST 1013 - Elementary Foreign Language Study II

Credit 1-3.

Essentials of the language, developing listening and reading comprehension, oral and written communication, and cultural understanding. Language of study is not regularly offered on campus. This course will primarily be used for study abroad and for transfer credit. Course may be repeated if the language is different. Prerequisite: None

Motion to approve. Mark Sheehan

Second. Dennis Duncan

Vote. Motion carried.

B. Curriculum changes.

The Department of Foreign Languages would like to offer students the opportunity

to earn a **Minor in International Studies**. Students may earn this minor by completing 15 hours:

Students may choose 9 credit hours of lower division international topics courses (each is 3 hours):

- SOC 2100 Cultural Ecology
- FREN 1010 Elementary French I
- FREN 1020 Elementary French II
- FREN 2010 Intermediate French I
- FREN 2020 Intermediate French II
- GEOG 1012 Cultural Geography
- GEOG 1035 World Regional Geography 1
- GEOG 1100 Global Climate Change
- GEOG 1130 Geography of Natural Hazards
- GERM 1010 Elementary German I
- GERM 1020 Elementary German II
- GERM 2010 Intermediate German I
- GERM 2020 Intermediate German II
- HIST 1310 Science and World Cultures
- HIST 2310 Early World History
- HIST 2320 Modern World History
- SPAN 1010 Elementary Spanish I
- SPAN 1020 Elementary Spanish II
- SPAN 2010 Intermediate Spanish I
- SPAN 2020 Intermediate Spanish II
- FLST 1011 Elementary Foreign Language Study I
- FLST 1013 Elementary Foreign Language Study II

Students may choose 6 credit hours from the following courses to fulfill the upper division requirement:

- BMGT 3600 International Management
- COMM 3620 Intercultural Communication
- ECON 4510 International Trade and Finance
- ENGL 4700 Nonwestern Literature
- ENGL 4720 Continental Literature
- FLST 3520 The Cultures and Peoples of North Africa
- FREN 3510 France: The Country & the People
- GERM 3520 Germany: The Country & the People
- HIST 3550 Ancient Greece and Rome
- HIST 3710 Survey of Spanish History
- HIST 4520-4760 European, Russian, Asian, and African History
- HIST 4790-4799 Latin American Studies
- MKT 4100 International Marketing
- PHIL 3310 History of Ancient and Medieval Philosophy

- PHIL 4020 Comparative Religion
- POLS 4100 International Law
- POLS 3610 International Politics
- POLS 3650 International Organizations
- SOC 4040 Law and Culture
- SOC 4090 Cross Cultural Communications and Cultural Diversity
- SOC 4210 Race, Ethnicity and Multiculturalism
- SPAN 3510 Spain: The Country and the People
- SPAN 3550 Latin America: The Countries and the Peoples

or any upper level foreign language class not used for the foreign language requirement. **6 credit hours of foreign language instruction is required.**

Motion to approve. Mark Sheehan

Second. Julie Baker

Vote. Motion carried

9. Sociology & Political Science

A. **Course Deletions.**

- 1) POLS 3300: Introduction to Latin American Politics Lec. 3. Credit 3.
Prerequisite: POLS 1030 or consent of the instructor; and POLS 1100 or consent of the instructor. Survey of selected Latin American political systems.
- 2) POLS 3320: US Policy toward Latin America. Lec. 3. Credit 3.
Prerequisite POLS 1030 or consent of the instructor and POLS 1100 or consent of the instructor. Focus on U.S. foreign policies that have an impact on Latin America and the Caribbean.

Motion to approve. Lori Maxwell

Second. Lisa Zagumny

Vote. Motion carried

10. Human Ecology

A. **Course additions and Curriculum changes.**

- 1) **HEC 3390 Purchasing in Food Service Management Lec 3. Credit 3.**
Prerequisite or Corequisite: HEC 2020. Foundations of purchasing in the foodservice environment to include: value analysis, forecasting, specification development and market research.
- 2) **On the Foodsystems Administration Curriculum Plan of study:**
Freshmen Year: **Remove MATH 1130 and correct total credits to be: 28**
Junior Year: **Correct total credits to be 30 credits**
Senior Year: **Add HEC 3390 Purchasing in Foodservice Management (credit 3);
Add Elective Credit 1; Correct total credits to be 31 credits**
- 3) **From:**

HEC 2510 Creative Play Lec 2. Lab 1. Credit 3 Prerequisite: HEC 1010 or HEC 2200. Emphasis on the importance of play as related to development levels of young children (birth- 9 years old) and to appropriate settings.

To:

HEC 2510 Foundations of Play Lec 2. Lab 1. Credit 3

Prerequisite: HEC 1010 or HEC 2200. Emphasis on the importance of play as related to development levels of young children (birth- 9 years old) and to appropriate settings.

4) From:

On the Child Development and Family Relations curriculum of study, make the following change: Junior Year: EXPW 2150 Human Sexuality Credit 3.

To:

Junior Year: EXPW 2150 Human Sexuality OR LIST 3220 Intimate Relations Credit 3.

**Friendly Amendment: HEC 2510 Foundations of Play Lec. 2. Lab 1. Credit 3 should be changed to Lec 2. Lab 2 Credit 4.*

Motion to approve. Melinda Anderson

Second. Dennis Duncan

Vote. Motion carried

B. Sports Nutrition Zero Credit.

HEC 1045 Sports Nutrition and Wellness Lec. 1 Credit 0.

Prerequisite: Enrolled as a varsity TTU Student-Athlete

Principles of Sports Nutrition for wellness and performance

Mr. Anthony Paradis, TTU Sports Dietitian, has received approval from Athletics to implement a zero credit Sports Nutrition and Wellness course specifically designed for our varsity student athletes. This course would be offered each summer, fall and spring for our first- year athletes to provide them with nutrition information specific to their sport and team performance.

Motion to approve. Melinda Anderson

Second. Jeff Roberts

Vote. Motion carried

11. Manufacturing & Engineering Technology

A. Course Additions.

MET 4750 (5750) Industrial Internet of Things (IIoT) for Smart Manufacturing

Curriculum changes.

Add:

MET 4750 (5750) to the elective courses

Remove: MET 3080 and ESS 3710 from the elective courses.

From:

Concentration I: Mechatronics Engineering Technology

MET 3060, MET 3260, ECE 3270, MET 4250 (5250) **and select two courses**

from: MET 3080, MET 3460, MET 4000, MET 4060 (5060), MET 4210 (5210), MET 4220 (5220); MET 4300 (5300), MET 4400 (5400), MET 4450 (5450), MET 4500 (5500), MET 4550 (5550), MET 4600 (5600), MET 4650 (5650), MET 4700, MET 4750 (5750), MET 4990 (5990), ESS 3710

To:

Concentration I: Mechatronics Engineering Technology

MET 3060, MET 3260, ECE 3270, MET 4250 (5250) **and select two courses**

from: ~~MET 3080~~, MET 3460, MET 4000, MET 4060 (5060), MET 4210 (5210), MET 4220 (5220); MET 4300 (5300), MET 4400 (5400), MET 4450 (5450), MET 4500 (5500), MET 4550 (5550), MET 4600 (5600), MET 4650 (5650), MET 4700 (5700); ~~MET 4750 (5750)~~, MET 4990 (5990), ~~ESS 3710~~

Concentration II: Engineering Technology Management

MET 4550 (5550), 4650 (4650) and select three courses from: BMGT 3600, BMGT 3630, BMGT 4520 (5520), DS 3620, DS 3540, FIN 3210, LAW 3810, BMGT 4930 (5930), MET 4430 (5430), MKT 3400, PSY 3400.

Motion to approve. Darrell Hoy

Second. Jeff Roberts

Vote. Motion carried

B. Prerequisite changes.

1) From:

MET 2065 - Metal Manufacturing Technology Lec. 1. Lab. 3. Credit 2.

Prerequisite: ENGR 1110, MET 1100 and MATH 1730. Machine tool functions, use of hand tools, precision measurement, welding and fabrication of metals.

To:

MET 2065 - Metal Manufacturing Technology Lec. 1. Lab. 3. Credit 2.

Prerequisite: ENGR 1110, MET 1100 and MATH 1730 or (**MATH 1710 + Math 1720**). Machine tool functions, use of hand tools, precision measurement, welding and fabrication of metals.

2) From:

MET 2310 - Applied Fluid Power Lec. 2. Credit 2.

Prerequisite: MATH 1730. This course covers the basics of pneumatic, electro-pneumatic and hydraulic control circuits in automated system.

To:

MET 2310 - Applied Fluid Power Lec. 2. Credit 2.

Prerequisite: MATH 1730 or (MATH 1710 + MATH 1720). This course covers the basics of pneumatic, electro-pneumatic and hydraulic control circuits in automated system.

3) From:

MET 2400 - Statics and Strength of Materials Lec. 2. Lab. 2. Credit 3.

Prerequisite: MATH 1730 and PHYS 2010. This course is an introduction to concurrent force analyses, stresses, strains and combined stresses in structures and machines components.

To:

MET 2400 - Statics and Strength of Materials Lec. 2. Lab. 2. Credit 3.

Prerequisite: MATH 1730 or (MATH 1710 + MATH 1720) and PHYS 2010 or PHYS 2110. This course is an introduction to concurrent force analyses, stresses, strains and combined stresses in structures and machines components.

4) From:

MET 3150 - Maintenance Technology I Lec. 2. Credit 2.

Prerequisite: Junior Standing and MET 1100. Principles of organizing and controlling maintenance operations in industrial plants.

To:

MET 3150 - Maintenance Technology I Lec. 2. Credit 2.

Prerequisite: Junior Standing. Principles of organizing and controlling maintenance operations in industrial plants.

5) From:

MET 3700 - Manufacturing Cost Estimating Lec. 2. Credit 2.

Prerequisite: Junior Standing and [MET 1100](#). This is an experiential learning course where the students participate in solving an industrial problem. This course requires the application of computer-aided design, bill of materials, manufacturing processes, process design, writing a report, and presentation of the results.

To:

MET 3700 - Manufacturing Cost Estimating Lec. 2. Credit 2.

Prerequisite: Junior Standing. This is an experiential learning course where the students participate in solving an industrial problem. This course requires the application of computer-aided design, bill of materials, manufacturing processes, process design, writing a report, and presentation of the results.

6) From:

MET 3710 - Methods Design and Work Measurement Lec. 2. Credit 2.

Prerequisite: Junior Standing and MET 1100. Introduction to concepts and the

practice of methods improvement and work measurement for lean manufacturing.

To:

MET 3710 - Methods Design and Work Measurement Lec. 2. Credit 2.
Prerequisite: Junior Standing. Introduction to concepts and the practice of methods improvement and work measurement for lean manufacturing.

7) From:

MET 3740 - Six Sigma Tools and Techniques - Lec. 2. Credit 2.
Prerequisite: Junior Standing and MET 1100. Using Lean Six Sigma tools and techniques for enabling optimal performance in service industries including healthcare and distribution, manufacturing companies, and government.

To:

MET 3740 - Six Sigma Tools and Techniques - Lec. 2. Credit 2.
Prerequisite: Junior Standing. Using Lean Six Sigma tools and techniques for enabling optimal performance in service industries including healthcare and distribution, manufacturing companies, and government.

8) From:

MET 4220 (5220) - Industrial Automation and Robotics Lec. 2. Lab. 2. Credit 3.
Prerequisite: MET 3060, MET 3200 or consent of instructor. Studies in the theory and application of industrial automation relating to manufacturing. Students enrolled in the 5000-level course will be required to complete additional work as stated in the syllabus.

To:

MET 4220 (5220) - Industrial Automation and Robotics Lec. 2. Lab. 2. Credit 3.
Prerequisite: **MET 3260**. Studies in the theory and application of industrial automation relating to manufacturing. Students enrolled in the 5000-level course will be required to complete additional work as stated in the syllabus.

9) From:

MET 4615 - Engineering Technology Ethics and Professionalism Lec. 1. Credit 1.
Prerequisite: Senior Standing. This course examines the values and ethics of a technological society and the input of the technologist into the decision making process of a technological organization.

To:

MET 2615 - Engineering Technology Ethics and Professionalism Lec. 1. Credit 1.
Prerequisite: **sophomore standing**. This course examines the values and ethics of a technological society and the input of the technologist into the decision making process of a technological organization.

Motion to approve. Darrell Hoy

Second. Julie Baker

Vote. Motion carried

12. General & Basic Engineering

A. Course additions, deletions, and changes.

From:

ENGR 4900: Professionalism and Ethics

Catalog Data: Lec. 3. Cr. 3.

Prerequisite: Senior Standing. Professional, social and ethical issues in engineering practice.

To:

ENGR 4900: Engineering Design, Professionalism, and Ethics

Catalog Data: Lec. 3. Cr. 3.

Prerequisites: CEE 3110, ME 3010, ENGR 3120, ENGR (CEE) 3710, and Senior Standing in Engineering. Engineering design process. Professional and societal issues in engineering practice. Engineering ethics.

Add:

ENGR 1220: Introduction to Emerging Technologies (Tennessee Governor's School for Emerging Technologies)

Catalog Data: Lec. and Rec. 2. Credit 1.

Introduction to emerging technologies through the Tennessee Governor's School for Emerging Technologies (GSET). Studies, projects, and research activities in emerging technologies.

Motion to approve. Darrell Hoy

Second. Dennis Duncan

Vote. Motion carried

13. Music

A. Course changes.

Bachelor of Music Education, Instrumental/General Music, K-12 Licensure Concentration:

1) From:

Instrument Class Credit 2.

MUS 1031 Stringed Instrument Class I

MUS 1041 Woodwind Instrument Class I

MUS 1051 Brass Instrument Class I

MUS 1071 Percussion Instrument Class I

To:

Instrument **Techniques** Class Credit 2.

MUS 1031 **String Techniques I**

MUS 1041 **Woodwind Techniques I**

MUS 1051 Brass Techniques I
MUS 1071 Percussion Techniques I

Motion to approve. Wendy Mullen

Second. Julie Galloway

Vote. Motion carried

B. Course catalog changes.

1) From:

MUS 1021 - Class Voice Instruction I. Lec. 1. Lab. 1. Credit 1.

Rudiments of posture, breathing and song interpretation, tone production, and stage deportment.

To:

MUS 1021: Class Voice Techniques I. Lec. 1. Lab. 1. Credit. 1.

Students will learn rudiments of teaching posture, breathing, tone production, song interpretation, and stage deportment in order to effectively work with students in a choir.

2) From:

MUS 1022 - Class Voice Instruction II. Lec. 1. Lab. 1. Credit 1.

Rudiments of posture, breathing and song interpretation, tone production, and stage deportment.

To:

MUS 1022: Class Voice Techniques II. Lec. 1. Lab. 1. Credit. 1.

Students will learn rudiments of teaching posture, breathing, tone production, song interpretation, and stage deportment in order to effectively work with students in a choir.

3) From:

MUS 1031 - Stringed Instrument Class I. Lec. and Lab. 2. Credit 1.

Each student studies the four instruments of the string section: violin, viola, violincello, and bass viol.

To:

MUS 1031 String Techniques I. Lec. and Lab. 2. Credit 1.

Each student will learn rudiments of four string instruments: Violin, Viola, Cello and Double Bass. They will also learn how to teach each instrument in a class setting.

4) From:

MUS 1032 - Stringed Instrument Class II. Lec. and Lab. 2. Credit 1.

Each student studies the four instruments of the string section: violin, viola, violincello, and bass viol.

To:

MUS 1032 String Techniques II:

Lec. and Lab. 2. Credit 1.

Each student will learn rudiments of four string instruments: Violin, Viola, Cello and Double Bass. They will also learn how to teach each instrument in a class setting.

5) From:

MUS 1041 - Woodwind Instrument Class I. Lec. and Lab. 2. Credit 1.

Each student will learn basic performance skills on two instruments each semester.

To:

MUS 1041: Woodwind Techniques I

Lec. and Lab. 2. Credit 1.

Each student will learn introductory through advanced teaching skills and rudiments of the five woodwind instruments: Flute, Oboe, Clarinet, Saxophone, Bassoon.

6) From:

MUS 1042 - Woodwind Instrument Class II. Lec. and Lab. 2. Credit 1.

Each student will learn basic performance skills on two instruments each semester

To:

MUS 1042: Woodwind Techniques II

Lec. and Lab. 2. Credit 1.

Each student will learn introductory through advanced teaching skills and rudiments of the five woodwind instruments: Flute, Oboe, Clarinet, Saxophone, Bassoon.

7) From:

MUS 1051 - Brass Instrument Class I. Lec. and Lab. 2. Credit 1.

Each student will learn basic performance skills on two instruments each semester.

To:

MUS 1051: Brass Techniques I

Lec. and Lab. 2. Credit 1.

Students in this course will learn introductory through advanced pedagogical skills useful to teaching brass instruments in primary and secondary school settings

8) From:

MUS 1052 - Brass Instrument Class II. Lec. and Lab. 2. Credit 1.

Each student will learn basic performance skills on two instruments each semester.

To:

MUS 1052: Brass Techniques II

Lec. and Lab. 2. Credit 1.

Students in this course will learn introductory through advanced pedagogical skills useful to teaching brass instruments in primary and secondary school settings.

9) From:

MUS 1071 - Percussion Instrument Class I. Lec. and Lab. 2. Credit 1.

Each student will learn basic performing skills on a snare drum and mallet instruments as well as study other percussion family instruments.

To:

MUS 1071: Percussion Techniques I

Lec. and Lab. 2. Credit 1.

Students in this course will learn introductory through advanced pedagogical skills useful to teaching percussion instruments in primary and secondary school settings.

10) From:

MUS 1072 - Percussion Instrument Class II. Lec. and Lab. 2. Credit 1.

Each student will develop performance

To:

MUS 1072: Percussion Techniques II

Lec. and Lab. 2. Credit 1.

Students in this course will learn introductory through advanced pedagogical skills useful to teaching percussion instruments in primary and secondary school settings.

Motion to approve. Wendy Mullen

Second. Julie Galloway

Vote. Motion carried

14. Computer Science

A. Curriculum changes.

1) Deletion of CSC 3560

CSC 3560 – Information Storage and Management

Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2500 and CSC 2560. Course covers storage technologies, storage system architectures, storage networking technologies, business continuity and information availability principles and best practices, storage management and security principles and best practices.

2) Course changes

From:

CSC 2710 – Foundations of Computer Science. Lec. 3. Credit 3.

Prerequisite: C or better in CSC 1610 or CSC 2700; and C or better in CSC 1310 or both CSC 2110 and CSC 2111. Application of discrete structures to model computational processes; techniques for analysis of algorithms; and automata and concepts of language theory. CSC 1310 or both of CSC 2110 and 2111 may be taken concurrently.

To:

CSC 3710 – Foundations of Computer Science. Lec. 3. Credit 3.

Prerequisite: C or better in CSC 1610 or CSC 2700; and C or better in CSC 1310 or both CSC 2110 and CSC 2111. Application of discrete structures to model computational processes; techniques for analysis of algorithms; and automata and concepts of language theory. CSC 1310 or both of CSC 2110 and 2111 may be taken concurrently.

3) Course description changes

From:

CSC 4010 (5010) – Programming Languages

Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2710 and CSC 3410. Concepts distinguishing modern programming languages with emphasis on language design, implementation, and run-time behavior.

CSC 4020 (5020) - Compilers

Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2710 and CSC 3410. Programming language translator design with emphasis on design concepts, parsing, code generation, tools, and code improvement; and construction of a small compiler.

To:

CSC 4010 (5010) – Programming Languages

Lec. 3. Credit 3.

Prerequisite: ~~C or better in~~ CSC 3410~~2710~~ and ~~either~~ CSC 2710 or CSC 3710~~3410~~. Concepts distinguishing modern programming languages with emphasis on language design, implementation, and run-time behavior.

CSC 4020 (5020) - Compilers

Lec. 3. Credit 3.

Prerequisite: ~~C or better in~~ CSC 3410~~2710~~ and ~~either~~ CSC 2710 or CSC 3710~~3410~~. Programming language translator design with emphasis on design concepts, parsing, code generation, tools, and code improvement; and construction of a small compiler.

4) Curriculum changes

- 1) In the senior year of the curriculum for the Software and Scientific Applications concentration, **remove the footnote indicating that at least 3 elective hours need to be upper division.**
- 2) In the senior year of the curriculum for the High Performance Computing concentration, **rename the PDH Technical Elective to be the HPC Technical Elective.**
- 3) **Add CSC 3020 (Numerical Methods) to the list of approved courses** for the HPC Technical Elective in the curriculum for the High Performance Computing concentration.

Motion to approve. Darrell Hoy

Second. Dennis Duncan

Vote. Motion carried

15. Economics, Finance and Marketing

A. Course addition.

ECON 4410 – Economic Foundations of the Law. Lec. 3. Credit 3.

Prerequisite: ECON 3810 or consent of instructor. This course will explore the field of law and economics, using economic tools to analyze and explain the main areas of US civil law – property, torts and contracts – along with aspects of criminal and administrative law.

Curriculum Changes:

The new ECON 4410 course will count as an economics elective for economics majors and a business elective for business majors.

Motion to approve. Julie Galloway

Second. Lisa Zagumny

Vote. Motion carried

B. Course description changes.

1) From:

ECON 3610 – Business Statistics I. Lec. 3. Credit 3.

Prerequisite: MATH 1830 or consent of instructor. Statistical description, probability, probability distributions (binomial, normal, and t), sampling distributions, hypothesis testing, chi-square and F-distributions, and linear regression. Enrollment in Junior- or Senior-level ECON courses requires Junior Standing. All business majors must have completed the Basic Business Program.

To:

ECON 3610 – Business Statistics I. Lec. 3. Credit 3.

Prerequisite: MATH 1830 or 1845 or 1910 or consent of instructor. Statistical description, probability, probability distributions (binomial, Poisson, normal, and t), sampling distributions and the central limit theorem, interval estimation, hypothesis testing, and linear regression.

2) From:

ECON 3630 – Business Statistics II. Lec. 3. Credit 3.

Prerequisite: ECON 3610. Hypothesis testing, multiple regression, other multivariate techniques, time series analysis and forecasting, and decision-making under uncertainty. Enrollment in Junior- or Senior-level ECON courses requires Junior Standing. All business majors must have completed the Basic Business Program.

To:

ECON 3630 – Business Statistics II. Lec. 3. Credit 3.

Prerequisite: ECON 3610. Advanced topics in probability, hypothesis testing, the power of a test, experimental design, and simple and multiple regression.

3) From:

ECON 3810 – Intermediate Microeconomics. Lec. 3. Credit 3.

Prerequisite: ECON 2010. Microeconomic analysis at the intermediate level; consumer behavior, firm production theory, pricing, and industrial organization. Enrollment in Junior- or Senior-level ECON courses requires Junior Standing. All business majors must have completed the Basic Business Program.

To:

ECON 3810 – Intermediate Microeconomics. Lec. 3. Credit 3.

Prerequisite: ECON 2010. A formal and mathematically rigorous treatment of microeconomic analysis. Optimizing behavior and consumer choice theory. Firm production and costs; profit maximization. General equilibrium and the benefits of trade. Evaluation of government policy.

4) From:

ECON 3820 – Intermediate Macroeconomics. Lec. 3. Credit 3.

Prerequisite: ECON 2020. Measurement, analysis, and control of aggregate economic activity; public finance. Enrollment in Junior- or Senior-level ECON courses requires Junior Standing. All business majors must have completed the Basic Business Program.

To:

ECON 3820 – Intermediate Macroeconomics. Lec. 3. Credit 3.

Prerequisite: ECON 2020. Measurement and analysis of economic activity in the long run, and stabilization of economic activity over the business cycle using fiscal and monetary policy. Fundamentals of economic growth, as modeled by the Solow Growth model.

Motion to approve. Julie Galloway

Second. Christy Killman

Vote. Motion carried

C. Banking Certificate.

Addition: New Undergraduate Certificate

Students may earn this Certificate by completing 18 credit hours from the following undergraduate courses:

Required Nine (9) Credit Hours from Bank Management Curriculum: FIN 3420 Commercial Banking I FIN 4420 Commercial Banking II ECON 3320 Money and Banking

Three (3) Credit Hours from Experiential Education Courses/Activities: FIN 4990 Special Topics Examples: Finance Internship; Community Banking Case Competition; Banking Advisory Board

Six (6) Credit Hours from Subject Area Curriculum: ACCT 4300 Financial Statement Analysis FIN 3830 Fundamentals of Investment MKT 3650 Sales Management DS 4125 Computer Forensics/Investigations FIN 3210 Principles of Managerial Finance ECON 3610 Business Statistics I

The Banking Certificate will be awarded concurrent with, or following the attainment of the student's degree.

Motion to approve. Julie Galloway

Second. Lisa Zagumny

Vote. Motion carried

D. Course description changes.

1) From:

ECON 4990. Special Topics.

Credit 3 to 6 per semester. Maximum 6. Directed study and research on a selected topic in economics. Available to senior economics majors on an individual basis with consent of departmental chairperson.

To:

ECON 4990. Special Topics.

Credit 3 to 6 per semester. Maximum 6. Directed study and research on a selected topic in economics. Available to senior economics majors on an individual basis with consent of departmental chairperson.

*Course may be taken more than once as topics change.

2) From:

FIN 4990. Special Topics.

Credit 3 – 6. Consent of departmental chairperson. Directed study and research on a selected topic in Finance.

To:

FIN 4990. Special Topics.

Credit 3-6. Consent of departmental chairperson. Directed study and research on a selected topic in finance.

*Course may be taken more than once as topics change.

3) From:

MKT 4900 Special Topics in Marketing.

Credit 3-6. Prerequisite: MKT 3400 and approval of the instructor. Selected current topics in Marketing.

To:

MKT 4900. Special Topics In Marketing

Prerequisite: MKT 3400 and approval of the instructor. Selected current topics in Marketing.

*Course may be taken more than once as topics change.

Motion to approve. Julie Galloway

Second. Rita Barnes

Vote. Motion carried

E. Course changes.

1) Change FIN 4900 Commercial Banking I to FIN 3420, Commercial Banking I

FIN 3420, Commercial Banking I

Lec. 3. Credit 3.

Prerequisite: ECON 3320. Bank operations, including policymaking and management of assets, liabilities and capital. Enrollment in Junior- and Senior-level FIN courses requires Junior Standing. All business majors must have completed the Basic Business Program.

2) Course addition:

1) FIN 4420, Commercial Banking II

Lec. 3. Credit 3.

Prerequisite: ECON 3320 and FIN 3420 or consent of instructor. This course serves as the capstone course in banking and provides students with an in-depth look at current challenges and opportunities faced by commercial bank managers. Contemporary regulatory issues, new products and delivery systems, and social concerns related to commercial banking are also examined. All business majors must have completed the Basic Business Program.

2) FIN 3420, Commercial Banking I

Lec. 3. Credit 3.

Prerequisite: ECON 3320. Bank operations, including policymaking and management of assets, liabilities and capital. Enrollment in Junior- and Senior-level FIN courses requires Junior Standing. All business majors must have completed the Basic Business Program.

** Friendly Amendment: Add FIN 3420, Commercial Banking I as a new course addition.*

Motion to approve. Julie Galloway

Second. Joe Roberts

Vote. Motion carried

16. Decision Sciences and Management

A. Curriculum changes.

Addition of a **Minor in International Business**. Students may earn this minor by completing 15 hours from the following courses:

9 hours from:

- BMGT 3600 – International Management (3)
- ECON 4510/FIN 4510 – International Trade and Finance (3)
- FIN 4910 – Multinational Financial Management (3)
- MKT 4100 – International Marketing (3)
- ACCT 4700 – International Experiences in Accounting (3)
- ECON 4520 – Comparative Economic Systems (3)

6 hours from:

- Any approved Humanities/Fine Arts course from the TTU General Education Core list except ENGL 2130
- ART 2000 – Art History Survey I (3)
- ART 2020 – Art History Survey II (3)
- COMM 3620 – Intercultural Communication (3)
- GEOG 1012- Cultural Geography (3)
- MUS 2030 – World Music (3)
- POLS 3670- Foreign Policy (3)
- POLS 3310- Politics of Developing Nations (3)
- POLS 3650 - International Organizations (3)
- POLS 4100- International Law (3)
- SOC 4090- Cross Cult Comm/Cult Diversity (3)

OR

- Foreign Language courses (6 hours of the same language): SPAN 1010/1020, GERM 1010/1020, FREN 1010/1020.

OR

- Study Abroad (6 hours)

**Friendly Amendment: Add under the Foreign Language courses FLST 1011/1013 in addition to SPAN 1010/1020, GERM 1010/1020, and FREN 1010/1020.*

Motion to approve. Thomas Timmerman

Second. Julie Baker

Vote. Motion carried

17. Nursing

A. Course additions.

- 1) **NURS 3110 Introduction to Applied Clinical Pharmacology**
Lec. 45, Credit 3.
Introduction to drug classifications, mechanisms of action, and management of medication in clinical setting.
- 2) **NURS 4110 Applied Clinical Pharmacology II**
Lec. 45, Credit 3.
Further study of drug classifications, mechanism of action, and management of medications in the clinical setting.
- 3) **NURS 4320 Health Care Delivery in the United States**
Lec. 45, Credit 3.
Overview of the US Health system delivery and influence health policy has on healthcare operations.
- 4) **NURS 3330 Enrichment in Nursing**
Lec. 30, Credit 2.
Focus of study is individual and group remediation for students who are readmitted into the School of Nursing.

Motion to approve. Kimberly Hanna

Second. Julie Baker

Vote. Motion carried

18. Interdisciplinary Studies

A. Curriculum changes/Correction to minor.

From:

Undergraduate Catalog: A minor for Arts and Sciences students requires the completion of 15 total hours, including 6 upper division hours.

A minor in Religious Studies will consist of:

- HIST 2310 (Early Western Civilization) Credit: 3
- RELS 2010 (Introduction to Religious Studies) Credit: 3

At least six credits from the list below:

- ENGL 3600 (Bible as Literature) Credit: 3
- HIST 4330-4339 (Studies in Religious History) Credit: 3
- HIST 4520 (Medieval Europe) Credit: 3
- HIST 4530 (Renaissance and Reformation) Credit: 3
- HIST 4730 (Modern Middle East) Credit: 3
- PHIL 3010 (Philosophy of Religion) Credit: 3
- RELS 3300 (Martin Luther King Jr.: Rhetoric & Theology of Non-Violent Social Change) Credit: 3

- RELS 4041-4043 (Directed Study) Credit: 3
- RELS 4093 (Topics in Religious Studies) Credit: 3
- RELS 4100 (Jesus in History, Faith, and Tradition) Credit: 3
- RELS 4300 (New Religious Movements) Credit: 3

Three credits from the following list of courses OR from the previous list:

- ASTR 1010 (Introduction to Modern Astronomy) Credit: 4
- BIOL 1010 (Introduction to Biology I) Credit: 4
- ENGL 2330 (World Literature) Credit: 3
- ENGL 3500 (Mythology) Credit: 3
- GEOL 1040 (The Dynamic Earth) Credit: 4
- HEC 3565 (End of Life Applications) Credit: 3 (new course beginning Fall 2015)
- HIST 2330 (Modern Western Civilization) Credit: 3
- NURS 3010 (Managing the End of Life) Credit: 1
- NURS 3020 (Spirituality and Healthcare) Credit: 1
- NURS 3030 (Cultural Sensitivity in Healthcare) Credit: 1
- PHIL 2250 (Ethics) Credit: 3
- SOC 4120 (Death and Dying) Credit: 3

Substitutions to the optional list are possible but require advisor approval and petition.

To:

Undergraduate Catalog: A minor for Arts and Sciences students requires the completion of 15 total hours, including 6 upper division hours.

A minor in Religious Studies will consist of:

- HIST 2310 (Early Western Civilization) Credit: 3
- RELS 2010 (Introduction to Religious Studies) Credit: 3

At least six credits from the list below:

- ENGL 3600 (The Bible as Literature) Credit: 3
- HIST 4330-4339 (Religious Studies) Credit: 3
- HIST 4520 (Medieval Europe) Credit: 3
- HIST 4530 (Renaissance and Reformation) Credit: 3
- HIST 4680 (The Holocaust) Credit 3
- HIST 4730 (Modern Middle East) Credit: 3
- PHIL 3010 (Philosophy of Religion) Credit: 3
- PHIL 4020 (Comparative Religion) Credit: 3
- RELS 3300 (Martin Luther King Jr.: Rhetoric & Theology of Non-Violent Social Change) Credit: 3
- RELS 4041-4043 (Directed Study) Credit: 3
- RELS 4093-4099 (Topics in Religious Studies) Credit: 3
- RELS 4110 (Jesus in History, Faith, and Tradition) Credit: 3
- RELS 4300 (New Religious Movements) Credit: 3

Three credits from the following list of courses OR from the previous list:

- ASTR 1010 (Introduction to Modern Astronomy) Credit: 4
- BIOL 1010 (Introduction to Biology I) Credit: 4
- ENGL 2330 (Topics in World Literature) Credit: 3
- ENGL 3500 (Mythology) Credit: 3
- GEOG 1110 (Global Climate Change) Credit 3
- HEC 3565 (Loss and Bereavement for Families) Credit: 3
- HIST 2330 (Modern Western Civilization) Credit: 3
- NURS 3010 (Managing the End of Life) Credit: 1
- NURS 3020 (The Merging of Two Worlds: Spirituality and Healthcare) Credit: 1
- NURS 3030 (Cultural Sensitivity in the Healthcare Center) Credit: 1
- PHIL 2250 (Ethics) Credit: 3
- SOC 4120 (Death and Dying) Credit: 3

Substitutions to the optional list are possible but require departmental approval.

Motion to approve. Steve Frye

Second. Joe Roberts

Vote. Motion carried

19. Agriculture

A. Curriculum changes.

- 1) Agri-Business Economics Concentration that will later be the basis for a BS in Agri-Business Economics

Undergraduate Catalog for Freshman:

Delete:

DS 2810 Computer Applications in Business

Add:

COMM 2025 Fundamentals of Communication, Credit 3. OR PC 2500 Communicating in the Professions, Credit 3.

Undergraduate Catalog for Sophomore:

Delete:

AGRN 2300 Soils, Credit 3.

COMM 2025 Fundamentals of Communication, Credit 3.

PC 2500 Communicating in the Professions, Credit 3.

Prerequisite: ENGL 1020 or concurrent enrollment in ENGL 1020.

Add:

AGRN 2000 Soils and the Environment, Credit 3.

Undergraduate Catalog for Junior:

Delete:

AGBE 3110 Agricultural Marketing and Futures, Credit 3.

Add:

AGBE 3100 Agricultural Market, Credit 3.

AGBE Data Acquisition & Computer Analysis in AGBE, Credit 3.

AGBE 3430 Introduction to Agribusiness Management, Credit 3.

Undergraduate Catalog for Senior:

Delete:

AGBE 4210 (5210) Agricultural and Biological Statistics, Credit 3.

Add Courses:

1) **AGBE 3100 Agricultural Marketing**

Lec 3. Credit 3.

Prerequisites: AGBE 2100. An overview of the US agricultural marketing system. The functions of the marketing system will be covered as well as current marketing problems and possibilities for improvement.

2) **AGBE 3220 Data Acquisition and Computer Analysis in Agribusiness**

Lec 3. Credit 3.

Prerequisites: AGBE 2100 and MATH 1130 or higher. Where agricultural data comes from and its use in analyzing complex and unique problems facing the agricultural firm. Specific emphasis on financial, statistical spreadsheet functions will be addressed. Additional topics include data analysis, data organization and communication

3) **AGBE 3430 Introduction to Agribusiness Management**

Lec 3. Credit 3.

Prerequisite: AGBE 2100. An introduction to the application of management principles and processes to agricultural business firms. Planning and operating in domestic and international markets will be addressed.

Delete Courses:

1) **AGBE 3110 Agricultural Marketing and Futures**

Lec. 3, Credit 3.

Institutions involved in marketing agricultural products and the use of futures and hedging.

2) **AGBE 4210/5210 Agricultural and Biological Statistics**

Lec. 3, Credit 3.

Sampling, probability, distributions, statistical tests, analysis of variance, regression, and interpretation of data.

Motion to approve. Dennis Duncan

Second. Lisa Zagumny

Vote. Motion carried

20. Election of New Chair 2019-2020

- A. Jeremy Wendt elected as chair for a second term for 2019-2020.

Motion to approve. Christy Killman

Second. Julie Baker

Vote. Motion carried

21. Revision of the University Curriculum Committee Procedures

A. Procedural changes to section VI: Meetings.

1) From:

Regular meetings shall be scheduled during the months of September, October, February, and April. The date and time for such meetings shall be included in the Administrative Calendar. At the discretion of the Chairperson, a meeting may be canceled or the date and time for the regular meeting may be changed if there is sufficient reason to warrant such action.

To:

Regular meetings shall be scheduled during the months of September, October, February, and **March**. The date and time for such meetings shall be included in the Administrative Calendar. At the discretion of the Chairperson, a meeting may be canceled or the date and time for the regular meeting may be changed if there is sufficient reason to warrant such action.

2) From:

Non-substantive catalogue changes, such as number changes, minor changes in course description, etc., need not be submitted to the Curriculum Committee for action, but may be sent directly through the Dean of the School or College to the Vice President for Academic Affairs for distribution; however, an information copy of all such changes shall be sent to all members of the Curriculum Committee with the heading "NON- SUBSTANTIVE CHANGES" at least one week prior to the meeting. Such changes will be considered to have the endorsement of the Committee unless a member requests that an item so marked be placed on the agenda.

To:

Non-substantive catalogue changes, **such as minor changes in course description, etc.**, need not be submitted to the Curriculum Committee for action, but may be sent directly through the Dean of the School or College to the Vice President for Academic Affairs for distribution; however, an information copy of all such changes shall be sent to all members of the Curriculum Committee with the heading "NON- SUBSTANTIVE CHANGES" at least one week prior to the meeting. Such changes will be considered to have the endorsement of the Committee unless a member requests that an item so marked be placed on the agenda

3) From:

The agenda shall be adopted at the beginning of each meeting by a two- thirds

majority of those present.

To:

The agenda shall be adopted at the beginning of each meeting.

4) From:

Two thirds a majority of all members of the Committee shall constitute a quorum.

To:

A majority of all members of the Committee shall constitute a quorum.

Motion to approve. Dennis Duncan

Second. Lisa Zagumny

Vote. Motion carried

No other such matters being presented, the meeting was adjourned at 4:17 p.m.