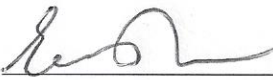


UNIVERSITY CURRICULUM COMMITTEE MINUTES

Date: March 6, 2014

Minutes Approved by:  Date Approved 5/2/14

TO: Dr. Eric Pani (except MATH 1011)
Vice President of Academic Affairs #9

FROM: Dr. Lon Smith, Chair
University Curriculum Committee

FACULTY MEMBERS PRESENT: J. Boulton, J. Burgess, D. Davis, M. Bonner, R. Hanser, D. Kean, D. Luse, C. Michaelides, L. Smith, J. Washington, B. Strunk, H. Tice

FACULTY MEMBERS ABSENT: J. Feldhaus

FACULTY MEMBERS EXCUSED: K. Tolson

EX-OFFICIO MEMBERS PRESENT: C. Robertson, A. Robinson

EX-OFFICIO MEMBERS ABSENT:

EX-OFFICIO MEMBERS EXCUSED: C. Lee

1. THE SCHOOL OF SCIENCES requests:

Presenter:	J. Anderson
Action:	Create new course PHYS 4034 (Advanced Biomechanics)
Proposed Description:	
Physical Dynamics and Statics applied to the musculoskeletal anatomy. Prerequisites: PHYS 2003, PHYS 2009, KINS 4032. 3 cr.	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Fall 2014
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	ADV BIOMECH
UCC Decision:	Approved
Notes:	

2. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	J. Anderson
Action:	Create new course DHYG 3028 (Pharmacology for Dental Hygienist)
Proposed Description:	
This course will focus on the basic concepts of pharmacology, therapeutics,	

classifications effects, dental implication, and drug action. Emphasis will be placed on the application and management of drugs used in clinical setting by Dental Hygienists. Prerequisites: DHYG 3018, 3019, 3020, 3021, and 3022; registration in DHYG 3024, 3025, 3026, 3027.	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Spring 2015
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	DHYG PHARMACOLOGY
UCC Decision:	Approved
Notes:	

3. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	J. Anderson
Action:	Change degree plan in Bachelor of Science in Dental Hygiene (Professional Courses)
Current Degree Plan:	
<u>Professional Course Requirements - (Total Hours -21)</u>	
<ul style="list-style-type: none"> • HLST 3004 - Research Design for Healthcare 3 cr. • DHYG 4020 - Community and Preventive Dentistry Field Experience 2 cr. • DHYG 4024 - Dental Hygiene Practicum 3 cr. • DHYG 4025 - Dental Hygiene Practicum 3 cr. • DHYG 4027 - Ethics, Jurisprudence and Practice Management 2 cr. • DHYG 4030 - Problems 1 - 3 cr. • DHYG 4033 - Local Anesthesia and Pain Control 2 cr. • DHYG 4034 - Management of the Medically Compromised Patient 3 cr. 	
42 credit hours will be granted with a current NBDE license and current license in at least one state upon completion of all prerequisites.	
Proposed Degree Plan:	
<u>Professional Course Requirements - (Total Hours -21)</u>	
<ul style="list-style-type: none"> • HLST 3004 - Research Design for Healthcare 3 cr. • DHYG 4020 - Community and Preventive Dentistry Field Experience 2 cr. • DHYG 4024 - Dental Hygiene Practicum 3 cr. • DHYG 4025 - Dental Hygiene Practicum 3 cr. • DHYG 4027 - Ethics, Jurisprudence and Practice Management 2 cr. • DHYG 4030 - Problems 1 - 3 cr. • GERO 2026- Perspective on Aging 3 cr. • DHYG 4034 - Management of the Medically Compromised Patient 3 cr. 	
42 credit hours will be granted with a current NBDE license and current license in at least one state upon completion of all prerequisites.	
Credit Hours:	

Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

4. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	J. Anderson
Action:	Change degree plan in Bachelor of Science in Dental Hygiene (Junior Year replace NURS 2080 with DHYG 3028)
Current Degree Plan:	
<p><u>Junior Year</u></p> <hr/> <ul style="list-style-type: none"> • DHYG 3018 - Oral Histology and Embryology • DHYG 3019 - Oral Histology and Embryology Lab • DHYG 3020 - Clinical Dental Hygiene Orientation • DHYG 3021 - Clinical Dental Hygiene Technique • DHYG 3022 - Dental Anatomy • DHYG 3023 - Head and Neck Anatomy • DHYG 3024 - General and Oral Pathology • DHYG 3025 - Clinical Dental Hygiene • DHYG 3026 - Clinical Dental Hygiene Lecture • DHYG 3027 - Oral Radiology • NURS 2080 - Basic Principles of Pharmacology • HLST 3004 - Research Design for Healthcare * uc <p>Total Hours 28</p>	
Proposed Degree Plan:	
<p><u>Junior Year</u></p> <hr/> <ul style="list-style-type: none"> • DHYG 3018 - Oral Histology and Embryology • DHYG 3019 - Oral Histology and Embryology Lab • DHYG 3020 - Clinical Dental Hygiene Orientation • DHYG 3021 - Clinical Dental Hygiene Technique • DHYG 3022 - Dental Anatomy • DHYG 3023 - Head and Neck Anatomy • DHYG 3024 - General and Oral Pathology • DHYG 3025 - Clinical Dental Hygiene 	

<ul style="list-style-type: none"> • DHYG 3026 - Clinical Dental Hygiene Lecture • DHYG 3027 - Oral Radiology • DHYG 3028 - Pharmacology for Dental Hygienist • HLST 3004 - Research Design for Healthcare * uc <p>Total Hours 28</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

5. THE SCHOOL OF HUMANITIES requests:

Presenter:	F. Gregory
Action:	Create new course ENGL 1000 (Composition Recitation)
Proposed Description:	
A recitation session to accompany ENGL 1001. Credit/No Credit. Not for degree credit. Prerequisite: English ACT of 16 or 17; Co-requisite: enrollment in ENGL 1001.	
Credit Hours:	1
Current Level:	U
Activity Type:	Recitation
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Fall 2014
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	COMP. RECITATION
UCC Decision:	Approved
Notes:	

6. THE SCHOOL OF HUMANITIES requests:

Presenter:	F. Gregory
Action:	Change description of ENGL 1001 (Composition I)
Current Description:	
Composition of analytical, expository, and argumentative writing; emphasizing	

writing as a process that includes analyzing a writing situation, prewriting, drafting, revising, and some documentation.

Prerequisite(s): Students whose placement criteria indicate that they are deficient in basic English skills will be required to pass ENGL 0090 with a grade of “C” or better before enrolling in ENGL 1001.

Proposed Description:

Composition of analytical, expository, and argumentative writing; emphasizing writing as a process that includes analyzing a writing situation, prewriting, drafting, revising, and some documentation.

Co-requisite(s): Students whose placement criteria indicate that they are deficient in basic English skills will be required to enroll in ENGL 1000 along with ENGL 1001.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

7. THE SCHOOL OF SCIENCE requests:

Presenter:	B. Strunk
Action:	Create new course MATH 1000 (Applied Algebra for College Students Recitation)
Proposed Description:	
This course consists of instructor-supervised learning sessions designed to supplement course material for Math 1009. This course provides small group sessions where students will study and work together. This course may not be used for University credit. Students will be awarded a grade of Credit or No Credit. Prerequisite: MATH ACT score below 19 and enrollment in Math 1009.	
Credit Hours:	2
Current Level:	U
Activity Type:	Recitation
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Fall 2014
Last Term Offered:	

Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	MATH RECITATION
UCC Decision:	Approved
Notes:	

8. THE SCHOOL OF SCIENCE requests:

Presenter:	B. Strunk
Action:	Change description of MATH 1009 (Applied Algebra for College Students)
Current Description:	
<p>Emphasis on applications involving: solving equations and inequalities; function properties and graphs; linear, quadratic, polynomial, exponential and logarithmic functions. Recommended for students who will not take <u>MATH 1031</u>.</p> <p>Prerequisite(s): ACT 19 or higher or successful completion of <u>MATH 0093</u>. Students may not receive credit for both MATH 1009 AND <u>MATH 1011</u>.</p> <p>LCCN: CMAT 1203</p>	
Proposed Description:	
<p>Emphasis on applications involving: solving equations and inequalities; function properties and graphs; linear, quadratic, polynomial, exponential and logarithmic functions. Recommended for students who will not take <u>MATH 1031</u>.</p> <p>Prerequisite(s): MATH ACT 17 or higher. Students with MATH ACT of 17 or 18 must concurrently enroll in MATH 1000 Students may not receive credit for both MATH 1009 AND <u>MATH 1011</u>.</p> <p>LCCN: CMAT 1203</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

Not approved - 5/12/14

9. THE SCHOOL OF SCIENCE requests:

Presenter:	B. Strunk
Action:	Change description of MATH 1011 (College Algebra)
Current Description:	

Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions. Students may not receive credit for both MATH 1011 and [MATH 1009](#).

Prerequisite(s): Open only to students whose Math ACT is 19 or higher or successful completion of [MATH 0093](#).

LCCN: CMAT 1213

Proposed Description:

Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions. Students may not receive credit for both MATH 1011 and [MATH 1009](#).

Prerequisite(s): Open only to students whose Math ACT is 21 or higher or successful completion of MATH 1009.

LCCN: CMAT 1213

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

10. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	J. Herrock
Action:	Create new course TOXI 4045 (OSHA Standards for General Industry)
Proposed Description:	
Focus on Federal OSHA policies, procedures, and standards for general industry, and general industry safety and health principles. Prerequisites: none, F	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Fall 2014
Last Term Offered:	
Offered Fixed/Variable:	

Variable Range:	
Abbreviated Course Title:	OSHA GEN. INDUSTRY
UCC Decision:	Approved
Notes:	

11. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	S. Banks
Action:	Change BS in Toxicology and introduce two new concentration (General Toxicology and Food Safety)

Current Description:

Undergraduate Requirements

Students pursuing admission to Pharmacy School will follow the 3-year Pre-Pharmacy curriculum listed in the undergraduate catalog.

If a student at any time should decide against pursuing admission to Pharmacy School or fails to be admitted, the student may choose to continue to pursue a Toxicology undergraduate degree by choosing one of the aforementioned Toxicology topic areas or choose to pursue a degree other than Toxicology. Transfer students who have completed BIOL 2020, BIOL 2040 and/or BIOL 3005 of the Pre-Pharmacy curriculum may substitute one or more of these courses for the 9 elective hours required in any of the aforementioned Toxicology topic areas.

Specific Toxicology courses are required for every student majoring in Toxicology:

- TOXI 1001 - Toxicology and the Environment
- TOXI 2001 - Environmental Toxicology
- TOXI 3001 - Introduction to Forensic Toxicology
- TOXI 4011 - General Toxicology
- TOXI 4013 - General Toxicology Laboratory
- TOXI 4012 - General Toxicology
- TOXI 4014 - General Toxicology Laboratory
- TOXI 4024 - Clinical Toxicology
- TOXI 4041 - Industrial Hygiene I
- TOXI 4042 - Industrial Hygiene II
- TOXI 4043 - Industrial Hygiene Laboratory
- TOXI 4091 - Seminar

Total 29 hours

****Additional Requirements**

Every Toxicology major must also take at least nine hours of electives from one of the following defined topic areas:

General Toxicology:

- PHAR 4004 - Public Health Science
- TOXI 3026 - Clinical Chemistry and Toxicology
- NURS 2080 - Basic Principles of Pharmacology
- PHYS 2010 - Physics Laboratory II

Forensic Toxicology:

- CJUS 1001 - Introduction to Criminal Justice
- CJUS 2033 - Forensics

- [CJUS 2050 - Courts and Criminal Justice](#)
- [CJUS 2099 - Overview of the Criminal Justice System](#)
- [CJUS 3001 - Criminal Justice Procedure and Evidence](#)
- [CJUS 3030 - Criminal Investigation](#)

Environmental Toxicology:

- [BIOL 1022 - Principles of Biology II](#)
- [BIOL 1023 - Principles of Biology II Laboratory](#)
- [BIOL 2001 - Environmental Science](#)
- [BIOL 3003](#)
- [BIOL 3004](#)

Analytical Toxicology:

- [CHEM 2040 - Quantitative Analysis](#)
- [CHEM 2041 - Quantitative Analysis Laboratory](#)
- [CHEM 4007 - Instrumental Analysis](#)

Industrial Hygiene:

- [ATMS 4050 - Atmospheric Pollution](#)
- [BIOL 2001 - Environmental Science](#)
- [BIOL 4064 - Water Management](#)
- [GEOL 4017 - Ground-Water Geology](#)

Food Safety Toxicology:

- [TOXI 1010 - Introduction to Food Safety and Toxicology](#)

Freshman Year

- Core English Composition **6 cr.** *
- Core Fine Arts **3 cr.** *
- Core Mathematics **6 cr.** *
- Core Social Science **3 cr.** *
- [BIOL 1020 - Principles of Biology I](#) ^{cnp}
- [BIOL 1021 - Principles of Biology I Laboratory](#)
- [CHEM 1007 - General Chemistry I](#) ^{cnp}
- [CHEM 1008 - General Chemistry II](#) ^{cnp}
- [CHEM 1009 - General Chemistry Laboratory I](#)
- [CHEM 1010 - General Chemistry Laboratory II](#)
- [CSCI 1070 - Computer Literacy](#)
- [UNIV 1001 - University Seminar](#)

Total Hours 33

Sophomore Year

- [BIOL 2014 - Introductory Microbiology](#)
- [BIOL 2015 - Introductory Microbiology Laboratory](#)
- [BIOL 2020 - Cell Biology](#)
- [BIOL 2040 - Human Anatomy](#)
- [BIOL 3010 - Human Physiology](#)
- [BIOL 3013 - Human Physiology Laboratory](#)
- [CHEM 2030 - Organic Chemistry I](#)
- [CHEM 2031 - Organic Chemistry Laboratory I](#)
- [CHEM 2032 - Organic Chemistry II](#)

- [CHEM 2033 - Organic Chemistry Laboratory II](#)
- [PHYS 2003 - General Physics I](#)
- [TOXI 1001 - Toxicology and the Environment](#)
- [TOXI 2001 - Environmental Toxicology](#)

Total Hours 31

Junior Year

- Core Humanities **3 cr.** *
- Core Social Science **3 cr.** *
- [CHEM 3050 - Biochemistry I](#)
- [MATH 1016 - Elementary Statistics](#) ^{cm}
- [ENGL 3020 - Professional Writing and Communication: Pharmacy](#)
- Electives **6 cr.** **
- [TOXI 4011 - General Toxicology](#)
- [TOXI 4013 - General Toxicology Laboratory](#)
- [COMM 2001 - Public Speaking](#)

Total Hours 28

Senior Year

- Core Humanities Elective **6 cr.** *
- [TOXI 3001 - Introduction to Forensic Toxicology](#)
- Elective **3 cr.** **
- [TOXI 4012 - General Toxicology](#)
- [TOXI 4014 - General Toxicology Laboratory](#)
- [TOXI 4024 - Clinical Toxicology](#)
- [TOXI 4041 - Industrial Hygiene I](#)
- [TOXI 4042 - Industrial Hygiene II](#)
- [TOXI 4043 - Industrial Hygiene Laboratory](#)
- [TOXI 4091 - Seminar](#) ^{uc}

Total Hours 28

Total hours for degree 120

Note:

*Students should see the University [2013-2014 Undergraduate Core Curriculum](#) requirements.

** Students choosing Toxicology as a major will be required to complete nine hours of electives in a defined topic area. Topic areas include General Toxicology, Environmental Toxicology, Forensic Toxicology, Analytical Toxicology, Food Safety Toxicology or Industrial Hygiene. See [Undergraduate Requirements](#) listed above.

Proposed Description: (two different page) (Page 1: TOXI B.S. with General TOXI concentration)

Undergraduate Requirements

All Toxicology majors will pursue a concentration in either General Toxicology or Food Safety.

Students majoring in Toxicology and pursuing admission to the ULM Pharmacy School will choose the General Toxicology concentration and use the electives in the Pharmacy topic area. Doing so will allow students to

complete the Pharmacy admission requirements and apply to Pharmacy School or complete the Pharmacy admission requirements and Toxicology B.S. degree requirements simultaneously.

Specific Toxicology courses are required for every student majoring in Toxicology:

- [TOXI 1001 - Toxicology and the Environment](#)
- [TOXI 2001 - Environmental Toxicology](#)
- [TOXI 3001 - Introduction to Forensic Toxicology](#)
- [TOXI 4011 - General Toxicology](#)
- [TOXI 4013 - General Toxicology Laboratory](#)
- [TOXI 4012 - General Toxicology](#)
- [TOXI 4014 - General Toxicology Laboratory](#)
- [TOXI 4024 - Clinical Toxicology](#)
- [TOXI 4041 - Industrial Hygiene I](#)
- [TOXI 4042 - Industrial Hygiene II](#)
- [TOXI 4043 - Industrial Hygiene Laboratory](#)

Total 26 hours

**** Additional Requirements (12 hours)**

All Toxicology majors pursuing a General Toxicology concentration must also complete the following 12 hours:

- TOXI 1000 – Food Science and Human Nutrition F
- Nine (9) hours of Directed Electives from any of the following approved topic areas:

General Toxicology:

- [PHAR 4004 - Public Health Science](#)
- [TOXI 3026 - Clinical Chemistry and Toxicology](#)
- [NURS 2080 - Basic Principles of Pharmacology](#)
- [PHYS 2010 - Physics Laboratory II](#)
- KINS 2001 – First Aid and CPR

Forensic Toxicology:

- Any Criminal Justice (CJUS) course

Environmental Toxicology:

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- [BIOL 1022 - Principles of Biology II](#)
- [BIOL 1023 - Principles of Biology II Laboratory](#)
- Any 2000 level or above BIOL course not already required and approved by Department Head

Analytical Toxicology:

- [CHEM 2040 - Quantitative Analysis](#)
- [CHEM 2041 - Quantitative Analysis Laboratory](#)
- Any 3000 level or above CHEM course not already required and approved by Department Head

Industrial Hygiene:

- [ATMS 4050 - Atmospheric Pollution](#)
- [BIOL 2001 - Environmental Science](#)
- [BIOL 4064 - Water Management](#)
- [GEOL 4017 - Ground-Water Geology](#)

Food Safety Toxicology:

- [TOXI 1010 - Introduction to Food Safety and Toxicology](#)
- TOXI 2010 – Techniques of Food Microbiology and Toxicology

Pharmacy:

- [BIOL 2041 – Human Anatomy](#)
- PHYS 2009 – Physics Laboratory I
- BIOL 3005 - Genetics

Toxicology, B.S., General Toxicology Concentration Curriculum

Freshman Year

- Core English Composition **6 cr.** *
- Core Fine Arts **3 cr.** *
- Core Mathematics **6 cr.** *
- Core Social Science **3 cr.** *
- [BIOL 1020 - Principles of Biology I](#) ^{cnp}
- [BIOL 1021 - Principles of Biology I Laboratory](#)
- [CHEM 1007 - General Chemistry I](#) ^{cnp}
- [CHEM 1008 - General Chemistry II](#) ^{cnp}
- [CHEM 1009 - General Chemistry Laboratory I](#)
- [CHEM 1010 - General Chemistry Laboratory II](#)
- TOXI 1000 – Food Science and Nutrition F
- [UNIV 1001 - University Seminar](#)

Total Hours 33

Sophomore Year

- [BIOL 2014 - Introductory Microbiology](#)
- [BIOL 2015 - Introductory Microbiology Laboratory](#)
- [BIOL 2020 - Cell Biology](#)
- [BIOL 2040 - Human Anatomy](#)
- [BIOL 3010 - Human Physiology](#)
- [BIOL 3013 - Human Physiology Laboratory](#)
- [CHEM 2030 - Organic Chemistry I](#)
- [CHEM 2031 - Organic Chemistry Laboratory I](#)
- [CHEM 2032 - Organic Chemistry II](#)
- [CHEM 2033 - Organic Chemistry Laboratory II](#)
- [PHYS 2003 - General Physics I](#)
- [TOXI 1001 - Toxicology and the Environment](#)
- [TOXI 2001 - Environmental Toxicology](#)

Total Hours 31

Junior Year

- Core Humanities **3 cr.** *
- Core Social Science **3 cr.** *
- [CHEM 3050 - Biochemistry I](#)

- [MATH 1016 - Elementary Statistics](#) ^{cm}
- [ENGL 3020 - Professional Writing and Communication: Pharmacy](#)
- Electives **6 cr.** **
- [TOXI 4011 - General Toxicology](#)
- [TOXI 4013 - General Toxicology Laboratory](#)
- [COMM 2001 - Public Speaking](#)

Total Hours 28

Senior Year

- Core Humanities Elective **6 cr.** *
- CSCI 1070 – Computer Literacy
- [TOXI 3001 - Introduction to Forensic Toxicology](#)
- Elective **3 cr.** **
- [TOXI 4012 - General Toxicology](#)
- [TOXI 4014 - General Toxicology Laboratory](#)
- [TOXI 4024 - Clinical Toxicology](#)
- [TOXI 4041 - Industrial Hygiene I](#)
- [TOXI 4042 - Industrial Hygiene II](#)
- [TOXI 4043 - Industrial Hygiene Laboratory](#)

Total Hours 28

Total hours for degree 120

Note:

*Students should see the University Undergraduate Core Curriculum requirements.

** Students choosing Toxicology as a major with the General Toxicology concentration will be required to complete nine hours of electives in a defined topic area. Topic areas include General Toxicology, Environmental Toxicology, Forensic Toxicology, Analytical Toxicology, Food Safety Toxicology or Industrial Hygiene. See [Undergraduate Requirements](#) listed above.

(Page 2: TOXI B.S. with Food Safety concentration)

Undergraduate Requirements

All Toxicology majors will pursue a concentration in either General Toxicology or Food Safety.

Students majoring in Toxicology and pursuing admission to the ULM Pharmacy School will choose the General Toxicology concentration and use the electives in the Pharmacy topic area. Doing so will allow students to complete the Pharmacy admission requirements and apply to Pharmacy School or complete the Pharmacy admission requirements and Toxicology B.S. degree requirements simultaneously.

Specific Toxicology courses are required for every student majoring in Toxicology:

- [TOXI 1001 - Toxicology and the Environment](#)
- [TOXI 2001 - Environmental Toxicology](#)
- [TOXI 3001 - Introduction to Forensic Toxicology](#)
- [TOXI 4011 - General Toxicology](#)
- [TOXI 4013 - General Toxicology Laboratory](#)
- [TOXI 4012 - General Toxicology](#)
- [TOXI 4014 - General Toxicology Laboratory](#)
- [TOXI 4024 - Clinical Toxicology](#)

- [TOXI 4041 - Industrial Hygiene I](#)
- [TOXI 4042 - Industrial Hygiene II](#)
- [TOXI 4043 - Industrial Hygiene Laboratory](#)

Total 26 hours

**** Additional Requirements (12 hours)**

All Toxicology majors pursuing a Food Safety concentration must also complete the following 12 hours:

- TOXI 1000 – Food Science and Human Nutrition F
- [TOXI 1010 - Introduction to Food Safety and Toxicology](#)
- TOXI 2010 – Techniques of Food Microbiology and Toxicology
- Three (3) hours of Directed Electives from any of the following approved topic areas:

General Toxicology:

- [PHAR 4004 - Public Health Science](#)
- [TOXI 3026 - Clinical Chemistry and Toxicology](#)
- [NURS 2080 - Basic Principles of Pharmacology](#)
- [PHYS 2010 - Physics Laboratory II](#)
- KINS 2001 – First Aid and CPR

Forensic Toxicology:

- Any Criminal Justice (CJUS) course

Environmental Toxicology:

- [BIOL 1022 - Principles of Biology II](#)
- [BIOL 1023 - Principles of Biology II Laboratory](#)
- Any 2000 level or above BIOL course not already required and approved by Department Head

Analytical Toxicology:

- [CHEM 2040 - Quantitative Analysis](#)
- [CHEM 2041 - Quantitative Analysis Laboratory](#)
- Any 3000 level or above CHEM course not already required and approved by Department Head

Industrial Hygiene:

- [ATMS 4050 - Atmospheric Pollution](#)
- [BIOL 2001 - Environmental Science](#)
- [BIOL 4064 - Water Management](#)
- [GEOL 4017 - Ground-Water Geology](#)

Pharmacy:

- [BIOL 2041](#) – Human Anatomy
- PHYS 2009 – Physics Laboratory I
- BIOL 3005 - Genetics

Toxicology, B.S., Food Safety Concentration

Curriculum

Freshman Year

- Core English Composition **6 cr.** *
- Core Fine Arts **3 cr.** *
- Core Mathematics **6 cr.** *
- Core Social Science **3 cr.** *
- [BIOL 1020 - Principles of Biology I](#) ^{cnp}
- [BIOL 1021 - Principles of Biology I Laboratory](#)
- [CHEM 1007 - General Chemistry I](#) ^{cnp}
- [CHEM 1008 - General Chemistry II](#) ^{cnp}
- [CHEM 1009 - General Chemistry Laboratory I](#)
- [CHEM 1010 - General Chemistry Laboratory II](#)
- TOXI 1000 – Food Science and Nutrition F
- [UNIV 1001 - University Seminar](#)

Total Hours 33

Sophomore Year

- [BIOL 2014 - Introductory Microbiology](#)
- [BIOL 2015 - Introductory Microbiology Laboratory](#)
- [BIOL 2020 - Cell Biology](#)
- [BIOL 2040 - Human Anatomy](#)
- [BIOL 3010 - Human Physiology](#)
- [BIOL 3013 - Human Physiology Laboratory](#)
- [CHEM 2030 - Organic Chemistry I](#)
- [CHEM 2031 - Organic Chemistry Laboratory I](#)
- [CHEM 2032 - Organic Chemistry II](#)
- [CHEM 2033 - Organic Chemistry Laboratory II](#)
- [PHYS 2003 - General Physics I](#)
- [TOXI 1001 - Toxicology and the Environment](#)
- [TOXI 2001 - Environmental Toxicology](#)

Total Hours 31

Junior Year

- Core Humanities **3 cr.** *
- Core Social Science **3 cr.** *
- [CHEM 3050 - Biochemistry I](#)
- [MATH 1016 - Elementary Statistics](#) ^{cm}
- [ENGL 3020 - Professional Writing and Communication: Pharmacy](#)
- TOXI 1010 – Introduction to Food Safety and Toxicology
- TOXI 2010 – Techniques of Food Microbiology and Toxicology
- [TOXI 4011 - General Toxicology](#)
- [TOXI 4013 - General Toxicology Laboratory](#)
- [COMM 2001 - Public Speaking](#)

Total Hours 28

Senior Year

- Core Humanities Elective **6 cr.** *
- CSCI 1070 – Computer Literacy
- [TOXI 3001 - Introduction to Forensic Toxicology](#)
- Elective **3 cr.** **
- [TOXI 4012 - General Toxicology](#)
- [TOXI 4014 - General Toxicology Laboratory](#)
- [TOXI 4024 - Clinical Toxicology](#)
- [TOXI 4041 - Industrial Hygiene I](#)
- [TOXI 4042 - Industrial Hygiene II](#)
- [TOXI 4043 - Industrial Hygiene Laboratory](#)

Total Hours 28

Total hours for degree 120

Note:

*Students should see the University Undergraduate Core Curriculum requirements.

** Students choosing Toxicology as a major with the Food Safety concentration will be required to complete three hours of electives in a defined topic area. Topic areas include General Toxicology, Environmental Toxicology, Forensic Toxicology, Analytical Toxicology, Food Safety Toxicology or Industrial Hygiene. See [Undergraduate Requirements](#) listed above.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Appropriate link will be added to the list of Academic Programs

12. THE SCHOOL OF HEALTH PROFESSIONS requests:

Presenter:	S. Banks
Action:	Change catalog content http://catalog.ulm.edu/preview_entity.php?catoid=13&ent_oid=456&returnto=1578
Current Content:	<p>Babu, Baer, Banks, Blaylock, Herrock, Mehendale, Meyer</p> <p>The undergraduate Toxicology program consists of a four-year curriculum which includes a solid foundation in basic sciences, a broad background in the science of Toxicology with several highly specialized courses, and sufficient courses in other areas to provide the</p>

student with a well-rounded education. The concept of a broad background with certain specialized courses is intended to allow the graduate to fit into any of several aspects of toxicology, including industrial hazard control, environmental pollution control, product safety assessment, forensic toxicology, food safety toxicology and toxicology research.

The Toxicology major can also be used to fulfill the Pre-Pharmacy requirements for admission to Pharmacy School. Students pursuing admission to Pharmacy School will follow the 3-year [Pre-Pharmacy](#) curriculum listed in the undergraduate catalog.

If a student at any time should decide against pursuing admission to Pharmacy School or fails to be admitted, the student may choose to continue to pursue a Toxicology undergraduate degree by choosing one of the aforementioned Toxicology topic areas or choose to pursue a degree other than Toxicology. Transfer students who have completed [BIOL 2020](#), [BIOL 2040](#) and/or [BIOL 3005](#) of the Pre-Pharmacy curriculum may substitute one or more of these courses for the 9 elective hours required in any of the aforementioned Toxicology topic areas.

Admission to the Program in Toxicology

Applicants for admission to the undergraduate program in Toxicology must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

Proposed Description:

Babu, Baer, Banks, Blaylock, Herrock, Mehendale, Meyer

The undergraduate Toxicology program consists of a four-year curriculum which includes a solid foundation in basic sciences, a broad background in the science of Toxicology with several highly specialized courses, and sufficient courses in other areas to provide the student with a well-rounded education. The concept of a broad background with certain specialized courses is intended to allow the graduate to fit into any of several aspects of toxicology, including industrial hazard control, environmental pollution control, product safety assessment, forensic toxicology, food safety toxicology and toxicology research. **Students majoring in Toxicology will choose either a concentration in General Toxicology or Food Safety.**

The Toxicology major can also be used to fulfill the Pharmacy admission requirements for the ULM Pharmacy School. Students pursuing admission to Pharmacy School will choose the General Toxicology concentration and use the electives in the Pharmacy topic area. Doing so will allow students to complete the Pharmacy admission requirements and Toxicology B.S. degree requirements simultaneously.

If a student at any time should decide against pursuing admission to Pharmacy School or fails to be admitted, the student may choose to continue to pursue a Toxicology undergraduate degree or choose to pursue a degree other than Toxicology.

Admission to the Program in Toxicology

Applicants for admission to the undergraduate program in Toxicology must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours	

To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

13. THE SCHOOL OF VISUAL AND PERFORMING ARTS requests:

Presenter:	D. Long
Action:	Change credit hours in MUSC 1094 (Introduction to Electronic Music)
Current Description: 2 cr. Overview of the history and techniques of electro-acoustic music with hands-on laboratory work in the electro-acoustic lab.	
Proposed Description: 3 cr. Overview of the history and techniques of electro-acoustic music with hands-on laboratory work in the electro-acoustic lab.	
Credit Hours:	3
Current Level:	U
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

14. THE SCHOOL OF VISUAL AND PERFORMING ARTS requests:

Presenter:	D. Long
Action:	Create new Course MUSC 3071 (Composition I)
Current Description: 2 cr. Composition based on 20 th and 21 st century techniques. Media used includes vocal and instrumental solo and small ensembles. Prerequisite MUSC 2075. Music majors with a Concentration in Music Theory and Composition must repeat this course for a maximum of 4 credits.	
Credit Hours:	2
Current Level:	U
Activity Type:	LAB
Maximum Hours To Be Earned:	4
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	Fall 2014
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	Composition I
UCC Decision:	Approved
Notes:	

15. THE SCHOOL OF VISUAL AND PERFORMING ARTS requests:

Presenter:	D. Long
Action:	Change description and title of MUSC 4071
Current Description: MUSC 4071 – Composition I 2 cr. Musical composition instruction based on methodologies of the 20th and 21st century with an emphasis on chamber music writing. Prerequisite(s): Two credits of MUSC 2075 and approval of the music theory faculty.	
Proposed Description: MUSC 4071 – Composition II 2 cr. Musical composition instruction based on methodologies of the 20th and 21st century with an emphasis on chamber music writing. Prerequisite(s): Two credits of MUSC 3071 and approval of the music theory faculty.	
Credit Hours:	
Current Level:	U
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	The title change was not part of the original proposal but by creating MUSC 3071 and Composition I would cause confusion in course title therefore MUSC 4071 will be renamed Composition II.

16. THE SCHOOL OF VISUAL AND PERFORMING ARTS requests:

Presenter:	D. Long
Action:	Change Bachelor of Music (Concentration in Music Theory and Composition)

Current Concentration:

- Foreign Language **6 cr.**
- MUSC 1094 - Introduction to Electronic Music
- MUSC 2075 - Elementary Composition
- MUSC 3066 - Counterpoint I
- MUSC 3075 **2 cr.**
- MUSC 4066 - Counterpoint II
- MUSC 3090 - Half Recital
- MUSC 4071 - Composition I
- MUSC 4077 - Orchestration

- MUSC 4075 - Electronic Music Composition or
- MUSC 4080 **3 cr.**

- MUSC 4081 - Analysis of Contemporary Music
- MUSC 4090 - Full Recital

- MUSC 4064 - The Baroque Era or
- MUSC 4093 - The Romantic Era

- MUSC 4094 - Contemporary or
- MUSC 4099 - The Classic Era

- MUSC 40xx-level major performance **2 cr.**
- Music Electives **3 cr.**

Total credits in concentration 38

Proposed Concentration:

- Foreign Language **6 cr.**
- MUSC 1094 - Introduction to Electronic Music
- MUSC 2075 - Elementary Composition
- MUSC 3066 - Counterpoint I
- MUSC 3071 - Composition I
- MUSC 4066 - Counterpoint II
- MUSC 3090 - Half Recital
- MUSC 4071 - Composition II
- MUSC 4077 - Orchestration

- MUSC 4075 - Electronic Music Composition or

- MUSC 4081 - Analysis of Contemporary Music
- MUSC 4090 - Full Recital

- MUSC 4064 - The Baroque Era or
- MUSC 4093 - The Romantic Era

- MUSC 4094 - Contemporary or
- MUSC 4099 - The Classic Era

- MUSC 40xx-level major performance **2 cr.**
- Music Electives **2 cr.**

Total credits in concentration 38

Credit Hours:	3
Current Level:	U
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

17. THE OFFICE OF ACDEMIC AFFAIRS requests:

Presenter:	L. Smith
Action:	Change Bachelor of Arts in History
Current Degree Plan:	
History, B.A.	

[Return to: Academic Programs](#)

Required for a Major:

All students electing a major in History must also satisfy the requirements for an academic minor.

[HIST 1011 - World Civilization I](#)

[HIST 1012 - World Civilization II](#)

[HIST 2001 - United States History I](#)

[HIST 2002 - United States History II](#)

24 Additional Hours

(including 9 hours U. S. history, 9 hours non-U.S. history and 6 hours of history electives)

Total Hours 36

Freshman Year

Core English Composition **6 cr.** *

[HIST 1011 - World Civilization I](#) ^{ch}

[HIST 1012 - World Civilization II](#) ^{ch}

Core Mathematics **6 cr.** *

Core Natural/Physical Science **3 cr.** *

Core Fine Arts Elective **3 cr.** *

Minor/Electives **6 cr.**

[UNIV 1001 - University Seminar](#)

Total Hours 30

Sophomore Year

[ENGL 2003 - World Literature I](#) ^{ch}

[ENGL 2004 - World Literature II](#) ^{ch}

or

[ENGL 2005 - American Literature I](#) ^{ch}

[ENGL 2006 - American Literature II](#) ^{ch}

[HIST 2001 - United States History I](#) ^{ch}

[HIST 2002 - United States History II](#) ^{ch}

Core Social Science **6 cr.** *

Core Natural/Physical Science **6 cr.** *

Minor/Electives **6 cr.**

Total Hours 30

Junior Year

[UCAP 3000 - University Capstone](#) ^{uc}

History (U.S.) **9 cr.**

Foreign Language **6 cr.**

Minor/Elective **3 cr.**

[COMM 2001 - Public Speaking](#)

[GEOG 1001 - Regional Geography](#)

[GEOG 1002 - Regional Geography](#)

Total Hours 30

Senior Year

History Electives **6 cr.**

History (non-U.S.) **9 cr.**

[POLS 2001 - American National Government](#)

[POLS 2002 - State and Local Government](#)

Minor/Electives **9 cr.**

Total Hours 30

Total hours for degree 120

Note:

*See [Core Curriculum \(College of Arts and Sciences\)](#) requirements.

Additional Information:

All students electing to major in History must also satisfy the requirements for an academic minor.

Proposed Degree Plan:

History, B.A.

Return to: [Academic Programs](#)

Required for a Major:

All students electing a major in History must also satisfy the requirements for an academic minor.

- [HIST 1011 - World Civilization I](#)
- [HIST 1012 - World Civilization II](#)
- [HIST 2001 - United States History I](#)
- [HIST 2002 - United States History II](#)

24 Additional Hours

(including 9 hours U. S. history, 9 hours non-U.S. history and 6 hours of history electives)

Total Hours 36

Freshman Year

- Core English Composition **6 cr.** *
- [HIST 1011 - World Civilization I](#) ^{ch}
- [HIST 1012 - World Civilization II](#) ^{ch}
- Core Mathematics **6 cr.** *
- Core Natural/Physical Science **3 cr.** *
- Core Fine Arts Elective **3 cr.** *
- Minor/Electives **6 cr.**
- [UNIV 1001 - University Seminar](#)

Total Hours 30

Sophomore Year

- [ENGL 2003 - World Literature I](#) ^{ch}
- [ENGL 2004 - World Literature II](#) ^{ch}
- or
- [ENGL 2005 - American Literature I](#) ^{ch}
- [ENGL 2006 - American Literature II](#) ^{ch}
-
- [HIST 2001 - United States History I](#) ^{ch}
- [HIST 2002 - United States History II](#) ^{ch}
- Core Social Science **6 cr.** *
- Core Natural/Physical Science **6 cr.** *
- Minor/Electives **6 cr.**

Total Hours 30

Junior Year

- **HIST 3099 – Historian’s Craft**
- History (U.S.) **9 cr.**
- Foreign Language **6 cr.**
- Minor/Elective **3 cr.**
- [COMM 2001 - Public Speaking](#)
- [GEOG 1001 - Regional Geography](#)
- [GEOG 1002 - Regional Geography](#)

Total Hours 30

Senior Year

- History Electives **6 cr.**
- History (non-U.S.) **9 cr.**
- [POLS 2001 - American National Government](#)
- [POLS 2002 - State and Local Government](#)
- Minor/Electives **9 cr.**

Total Hours 30

Total hours for degree 120

Note:

*See [Core Curriculum \(College of Arts and Sciences\)](#) requirements.

Additional Information:

All students electing to major in History must also satisfy the requirements for an academic minor.

Credit Hours:	
Current Level:	
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

18. THE OFFICE OF ACDEMIC AFFAIRS requests:

Presenter:	L. Smith
Action:	Change Bachelor of Science in Atmospheric Sciences
Current Degree Plan:	
<h2 style="color: #8B873E;">Atmospheric Sciences, B.S.</h2>	
<p>← Return to: Academic Programs</p> <h3 style="color: #8B873E;">Required for a Major</h3>	
<p> ATMS 1003 - Basic Meteorology Laboratory I ATMS 2000 - Weather Analysis and Forecasting ATMS 2005 - General Meteorology ATMS 3003 - Atmospheric Thermodynamics ATMS 3005 - Dynamic Meteorology I ATMS 3006 - Dynamic Meteorology II ATMS 3015 - Physical Meteorology ATMS 3060 - Human and Atmosphere Interaction ATMS 4003 - Synoptic Meteorology Laboratory ATMS 4004 - Mesoscale Meteorology ATMS 4007 - Meteorological Instrumentation and Data </p> <p>6 additional hours of atmospheric sciences electives.</p> <p>NOTE: Students may replace ATMS 4004 and/or MATH 3001 with another 3000- or 4000-level ATMS course.</p> <p>Total Hours 37 - 40</p>	
<h3 style="color: #8B873E;">Freshman Year</h3>	
<p> Core English Composition 6 cr. * BIOL 1020 - Principles of Biology I ^{cnp} ATMS 1003 - Basic Meteorology Laboratory I MATH 1013 - Elementary Functions ^{cm} MATH 1031 - Calculus I ^{cm} CHEM 1007 - General Chemistry I Core Social Science 6 cr. * Core Humanities 3 cr. * UNIV 1001 - University Seminar </p> <p>Total Hours 29</p>	

Sophomore Year

[ATMS 2000 - Weather Analysis and Forecasting](#)

[ATMS 2005 - General Meteorology](#)

[MATH 1016 - Elementary Statistics](#)

[MATH 1032 - Calculus II](#)

[MATH 2032 - Calculus III](#)

[PHYS 2007 - University Physics I](#) ^{cnp}

[PHYS 2008 - University Physics II](#) ^{cnp}

[PHYS 2009 - Physics Laboratory I](#)

[PHYS 2010 - Physics Laboratory II](#)

Core Humanities **6 cr.** *

Total Hours 30

Junior Year

[ATMS 3003 - Atmospheric Thermodynamics](#)

[ATMS 3005 - Dynamic Meteorology I](#)

[ATMS 3015 - Physical Meteorology](#)

[ATMS 4007 - Meteorological Instrumentation and Data](#)

[MATH 3001 - Differential Equations](#) or

ATMS Elective **3 cr.** **

[ENGL 3022 - Professional Writing and Communication: Sciences and Applied Sciences](#)

[COMM 2001 - Public Speaking](#)

[CSCI 2000 - Introduction to Computer Programming](#)

Core Fine Arts **3 cr.** *

Elective **3 cr.**

Total Hours 30

Senior Year

[ATMS 3006 - Dynamic Meteorology II](#)

[ATMS 4003 - Synoptic Meteorology Laboratory](#)

[ATMS 4004 - Mesoscale Meteorology](#) or

ATMS Elective **3 cr.** **

Atmospheric Sciences Electives **6 cr.**

Electives **12 cr.**

[ATMS 3060 - Human and Atmosphere Interaction](#) ^{uc}

Total Hours 31

Total ATMS Hours: 37-40

Total Hours 120

Proposed Degree Plan:

Atmospheric Sciences, B.S.

← Return to: [Academic Programs](#)

Required for a Major

[ATMS 1003 - Basic Meteorology Laboratory I](#)
[ATMS 2000 - Weather Analysis and Forecasting](#)
[ATMS 2005 - General Meteorology](#)
[ATMS 3003 - Atmospheric Thermodynamics](#)
[ATMS 3005 - Dynamic Meteorology I](#)
[ATMS 3006 - Dynamic Meteorology II](#)
[ATMS 3015 - Physical Meteorology](#)
[ATMS 3060 - Human and Atmosphere Interaction](#)
[ATMS 4003 - Synoptic Meteorology Laboratory](#)
[ATMS 4004 - Mesoscale Meteorology](#)
[ATMS 4007 - Meteorological Instrumentation and Data](#)

6 additional hours of atmospheric sciences electives.

NOTE: Students may replace [ATMS 4004](#) and/or [MATH 3001](#) with another 3000- or 4000-level ATMS course.

Total Hours 37 - 40

Freshman Year

Core English Composition **6 cr.** *

[BIOL 1020 - Principles of Biology I](#) ^{cnp}

[ATMS 1003 - Basic Meteorology Laboratory I](#)

[MATH 1013 - Elementary Functions](#) ^{cm}

[MATH 1031 - Calculus I](#) ^{cm}

[CHEM 1007 - General Chemistry I](#)

Core Social Science **6 cr.** *

Core Humanities **3 cr.** *

[UNIV 1001 - University Seminar](#)

Total Hours 29

Sophomore Year

[ATMS 2000 - Weather Analysis and Forecasting](#)

[ATMS 2005 - General Meteorology](#)

[MATH 1016 - Elementary Statistics](#)

[MATH 1032 - Calculus II](#)

[MATH 2032 - Calculus III](#)

[PHYS 2007 - University Physics I](#) ^{cnp}

[PHYS 2008 - University Physics II](#) ^{cnp}

[PHYS 2009 - Physics Laboratory I](#)

[PHYS 2010 - Physics Laboratory II](#)

Core Humanities **6 cr.** *

Total Hours 30

Junior Year

[ATMS 3003 - Atmospheric Thermodynamics](#)

ATMS 3005 - Dynamic Meteorology I
ATMS 3015 - Physical Meteorology
ATMS 4007 - Meteorological Instrumentation and Data

MATH 3001 - Differential Equations or
 ATMS Elective **3 cr.** **

ENGL 3022 - Professional Writing and Communication: Sciences and Applied Sciences
COMM 2001 - Public Speaking
CSCI 2000 - Introduction to Computer Programming
 Core Fine Arts **3 cr.** *
 Elective **3 cr.**

Total Hours 30

Senior Year

ATMS 3006 - Dynamic Meteorology II
ATMS 4003 - Synoptic Meteorology Laboratory

ATMS 4004 - Mesoscale Meteorology or
 ATMS Elective **3 cr.** **

Atmospheric Sciences Electives **6 cr.**
 Electives **12 cr.**

ATMS 3010 – Fundamentals of Climatic Analysis

Total Hours 31

Total ATMS Hours: 37-40

Total Hours 120

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2014
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	