

University Curriculum Committee

February 27, 2025, Meeting Minutes

The University Curriculum Committee met **Thursday, February 27, 2025, at 3:00 p.m. via Teams.**

Members Present:

Michael Allen	Melinda Anderson	Curtis Armstrong	Julie Baker
Indranil Bhattacharya	Jeff Boles	Scott Christen	Brittany Copley
Kent Dollar	Brandi Fletcher	Steve Frye	Julie Galloway
Mike Gotcher	Kim Hanna	Steve Hayslette	Colin Hill
Michael Hoane	Sharon Huo	Barbara Jared	Christy Killman
Jeannette Luna	Karen Lykins	Hayden Mattingly	Lori Maxwell
Kelly McCallister	Allan Mills	Ben Mohr	Linda Null
Thomas Payne	Richard Rand	Mohan Rao	Lindsey Roberts
Stephen Robinson	Martin Sheehan	Darron Smith	Matthew Smith
Daren Snider	Dennis Tenant	Fred Vondra	Jeremy Wendt (Chair)
Kevin West	Kim Winkle	Kumar Yelamarthi	Lisa Zagumny
Omar Abdelsalam (student)	Augusta Long (student)		

Members Absent:

Sean Alley	James Baier	Gerald Gannod	Jennifer Shank
Benjamin Sweeney	Chris Wilson	Abigail Jo Breeden (student)	John Craw (Student)
Abby McCulley (student)			

Official Representative(s):

Nicole Rizanne (student) for Abbigail McCulley (student)	Alma Nunez for Sean Alley		
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Guest(s):

Ciana Bowhay	Amanda Carroll	Lenley Weathers	Mary McCaskey
Angie Briggs	Deborah Allen	Kelley Jones	Autumn McDaniel
Kris Craven			

Agenda – February 27, 2025

Item #	Department	Agenda Item
01	UCC	Approval of Agenda
02	UCC	Approval of 1/30/25 Minutes
03	Agriculture	Curriculum Change - Animal Science B.S.
04	Economics, Finance, Marketing	Curriculum Change - Banking Certificate
05a	Exercise Science	2 New Courses
05b	Exercise Science	1 Curriculum Change - Phys Ed Practitioner
05c	Exercise Science	1 Curriculum Change - Pre-Athletic Training
05d	Exercise Science	1 Curriculum Change - Pre Physician's Assistant
05e	Exercise Science	1 Curriculum Change - Sport Admin
06	Physics	9 New Courses, 2 Course Deletions, ¹⁰ 9 Course Changes
07a	Biology	1 New Course
07b	Biology	Curriculum Change - Health Sciences
07c	Biology	Curriculum Change - Zoology
07d	Biology	Curriculum Change - Microbiology
07e	Biology	Curriculum Change - Botany
08	Chemistry	2 New Courses, 9 Course Changes, ⁸ 9 Curriculum Changes
09a	School of Art, Craft & Design	1 Course Addition - Art Ed
09b	School of Art, Craft & Design	Courses -New, Deletions, Changes; Curriculum Changes
10	English	4 Curriculum Changes
11a	Earth Sciences	1 New Course
11b	Earth Sciences	12 Course Deletions
11c	Earth Sciences	6 Course Chganges
12	History	2 New Courses
13	Chemical Engineering	1 New Concentration**
14	Counseling & Psychology	Courses - New, Deletions and Changes
15	Foreign Languages	Program Concentration Change, - name change) **
16	Other Such Matters	
	Dr. Curtis Armstrong	SACSCOC faculty credentials
	Dr. Lenley Weathers	QEP Freshman Class
	Gail Gentry	Course Dog Working Session, Justification, Syllabus Template

* Academic Council and THEC Approval Required

Proceedings:

Confirming that a quorum was present, Dr. Jeremy Wendt called the meeting to order via Teams at 3:00 p.m.

1. Approval of Agenda

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

2. Approval of Minutes, January 30, 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

3. Agriculture

a. Curriculum Changes

i. From: AGRN 2000 or AGRN 3000

To: AGRN 2400 - Introduction to Soils, Fall and Spring. Lec. 3. Credit 3. AGRN 2415- Soils Lab, Fall and Spring. Lab. 2. Credit 1.

Justification: AGRN 2400 and 2415 are already approved substitutions for the 4-credit hour AGRN 3000 soils lecture and lab. AGRN 2000 as well as AGRN 3000 are no longer taught and have been replaced by AGRN 2400 and 2415. This curriculum change is to formalize that substitution into the curriculum.

ii. From: ANS 3310 -Meat, Dairy, Poultry Products (Credit: 3 hrs)

To: Ag Upper Division Elective (Credit: 3-hrs)

Justification: ANS 3310- Meat, Dairy, Poultry Products (3 hrs) will be dropped and replaced with Ag Upper Division Elective (3 hrs). ANS 3310 was relevant in the past but due to changes in the industry and is no longer useful to our students.

This will increase the number of hours of Ag Upper Division Elective from 3 hours to 6 hours and provide more flexibility to the Animal Science students.

Degree Map					
Degree: BS Animal Science, Animal Science Industries Concentration					
120 Credit Hours					
FRESHMAN YEAR					
Semester: Fall	Total Credit Hours: 15	Semester: Spring	Total Credit Hours: 16		
Course	Cr. Hrs.	Course	Cr. Hrs.		
AGR 1020- Connections to Agriculture	1	AGBE 2100- Economics of Agriculture	3		
ANS 1200- Introductory Animal Science	3	AGET 1600- Practical Applications in Agricultural Systems	3		
ANI210- Introductory Animal Science Laboratory	1	AGRN 1100- Plant Science	3		
BIOL 1123- General Biology II	4	AGRN 1110- Plant Science Laboratory	1		
ENGL 1010- English Composition I	3	ANS 2020 - Livestock Management	3		
MATH 1530- Introductory Statistics OR 1710- Pre-calculus Algebra	3	ENGL 1020- English Composition II	3		
SOPHOMORE YEAR					
Semester: Fall	Total Credit Hours: 16	Semester: Spring	Total Credit Hours: 17		
Course	Cr. Hrs.	Course	Cr. Hrs.		
CHEM 1010- Introductory Chemistry I OR 1110 General Chemistry I	4	AGR 2022- Professionalism in Agriculture	1		
COMM 2025- Fundamentals of Communication OR PC 2500- Communicating in the Professions	3	CHEM 1020- Introductory Chemistry II OR 1120- General Chemistry II	4		
HIST 2010- Early United States History	3	ENGL 2130- Topics in American Literature OR 2235- Topics in British Literature OR 2330- Topics in World Literature	3		
ANS 2110 - Livestock Evaluation	3	HIST 2020- Modern United States History	3		
AGET 2110- Agricultural Engineering Technology OR 3110- Natural Resource Systems	2	Social/Behavioral Science Elective	3		
AGET 2115- Agricultural Engineering Technology Laboratory OR 3115- Natural Resource Systems Laboratory	1	Humanities/Fine Art Elective	3		
JUNIOR YEAR					
Semester: Fall	Total Credit Hours: 14	Semester: Spring	Total Credit Hours: 15		
Course	Cr. Hrs.	Course	Cr. Hrs.		
AGRN 2000 - Soil and the Environment OR AGRN 3000 - Soils	3 or 4	ANS 3020 - Feeds and Feeding	3		
AGRN 2400 - Soils	3	ANS 3140- Reproduction in Farm Animals	3		
AGRN 2415 - Soils Laboratory	1	ANS 3150- Common Diseases and Parasites of Domestic Animals	3		
ANS 3015- Animal Nutrition	3	Humanities/Fine Art Elective	3		
ANS 3130 - Animal Breeding	3	Social/Behavioral Elective	3		
CHEM 3005- Elementary Organic Chemistry OR CHEM 3010 Organic Chemistry I	4				
SENIOR YEAR					
Semester: Fall	Total Credit Hours: 12	Semester: Spring	Total Credit Hours: 15		
Course	Cr. Hrs.	Course	Cr. Hrs.		
AGBE 3220- Data Acquisition and Computer Analysis in Agribusiness	3	ANS 3310 - Meat, Dairy, Poultry Products	2		
AGR 4500- Senior Seminar	1	Ag Upper Division Elective	3		
ANS 4000- level - Production Course	3	AGR 3000- Leadership and Service OR 3200- Study Abroad Exploration	3		
BIOL 3200- General Microbiology OR 3230 Health Science Microbiology	4	AGRN 4130 - Forage Crops Prod & Mgmt	3		
Elective (generic)	1	ANS 4000- level - Production Course	3		

Effective Date: Fall 2025

Financial Impact: none

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

4. **Economics, Finance and Marketing**

a. Curriculum Changes – Banking Certificate

Economics, Finance & Marketing would like to request the addition of the following courses as options in the Banking Certificate: FIN 3625-Internship in Finance and FIN 4410 - Banking Advisory Board.

Justification

The Banking Certificate currently includes a 3-hour requirement for Experiential Education, which specifies taking FIN 4990 Special Topics in Finance and illustrates with these examples of commonly offered special topics experiential education courses in banking: finance internship, Community Bank Case Study Competition, Banking Advisory Board. Since implementing the certificate, the Finance Internship (FIN 3625) and the Banking Advisory Board (FIN 4410) have received their own course numbers and moved out of Special Topics.

The change to the certificate would read as follows:

Prior:

Required Course for Experiential Education/Activities: 3 hours, FIN 4990 Special Topics*

*Examples: Finance Internship, Community Banking Case Study Competition, Banking Advisory Board

Revised:

Required Course for Experiential Education/ Activities: 3 hours, FIN 3625*, FIN 4410, FIN 4990 Special Topics*

*Internship/Special Topics course must be banking-related and approved by finance faculty

Financial Impact: None

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

5. **Exercise Science**

a. 2 new courses

i. EXPW 3315 - Mental Health & Wellness for College Students (lec 1-3, er 1-3)

This is a broad exploration of mental health and wellness, focusing on the factors that influence happiness, anxiety, stress, and overall well-being. Gain

understanding of the connection between mental health and physical health. Learn practical strategies to manage stress, improve emotional regulation, and enhance mental clarity. Emphasis is placed on healthy coping mechanisms such as mindfulness, self-care, and resilience, while also addressing the importance of physical wellness through exercise, sleep, and nutrition.

JUSTIFICATION: Adding these courses to the Exercise Science inventory will provide needed opportunities for student success in various concentrations.

ii. EXPW 2220 - Medical Terminology (lec 1, er1)

This course aims to equip students with a foundational understanding of medical language, including word structures, common medical terms and their applications in health care settings.

JUSTIFICATION: This change provides students with added flexibility in their course selections.

Effective: Fall 2025

b. Curriculum Change – Physical Education Practitioner

i. From: BIOL 1010 -Intro to Biology or BIOL 1113 -General Biology I

TO: Any 4 hours of General Education Science

ii. From: BIOL 1020 -Diversity of Life or BIOL 1123 -General Biology II

TO: Any 4 hours of General Education Science

iii. From: FOED 2011 - Intro to Teaching/Technology (2 cr)

TO: FOED 2050 - Education and Technology (3 cr)

iv. From: BIOL 2010-Human Anatomy & Physiology I or BIOL 2350 Intro to A&P

TO: BIOL 2350 - Intro to Anatomy & Physiology or approved A&P course

v. From: SBS Elective

TO: EXPW 2015 - Concepts of Health/Wellness

vi. From: EXPW 4730-Assessment & Evaluation in Exercise Science (3 er)

TO: EXPW 4731-Assessment in the Physical Education Classroom (2 er)

vii. From: EXPW 1021 -Connections to Exercise Science

To: EXPW 1021 -Connections to Exercise Science OR equivalent

viii. From: EX.PW 1022 -Introduction to Exercise Science

To: EX.PW 1022 -Introduction to Exercise Science OR equivalent

ix. DELETE:

1. EX.PW 4900 - Research Methods

Students will no longer be taking the required pre-req for this course. It is being added to the directed electives list.

2. "Acceptable SBS electives: AGBE 2010, ECON 2010 and/or ECON 2020, GEOG 1012, GEOG 1130, POLS 1030, PSY 1030, SOC 1010, WCS 2010"
No longer needed due to directing students to take EXPW 2015.

x. ADD:

1. Directed Electives: EX.PW 4 730 - Assessment & Evaluation in Exercise Science, EX.PW 4900 - Research Methods, EX.PW 4530 - Organization

and Administration of Interscholastic Athletics, EXPW 4171 -Exercise & Sport Psychology, EX.PW 3330-First Aid & CPR Instructor Training

2. 4 hours directed electives.

To increase from 15 credit hours to 19 credit hours. Changing from EXPW 4730 (3cr) to EXPW 4731 (2 hr) and deleting EXPW 4900 from the program.



**Tennessee
TECH**

**Curriculum
Comparison Table**

**Curriculum Comparison Table for a Revised
or New Concentration**

Program: Exercise Science

Proposed change: PE Practitioner Concentration

Current/Existing (120)	Proposed (120)
GENERAL EDUCATION 41	GENERAL EDUCATION 41
BIOL 1010 4	GEN ED NATURAL SCIENCE 4
BIOL 1020 4	GEN ED NATURAL SCIENCE 4
ENGL 1010 3	ENGL 1010 3
ENGL 1020 3	ENGL 1020 3
MATH 3	MATH 3
HIST 2010 3	HIST 2010 3
HIST 2020 3	HIST 2020 3
COMM 2025 OR PC 2500 3	COMM 2025 OR PC 2500 3
ENGL 2130 OR ENGL 2235 OR ENGL 2330 3	ENGL 2130 OR ENGL 2235 OR ENGL 2330 3
PSY 1030 3	PSY 1030 3
HUMANITIES 6	HUMANITIES 6
SBS 3	EXPW 2015 3
MAJOR CORE (REQUIRED) 22	MAJOR CORE (REQUIRED) 22
PHED 1002 – Physical Fitness Test 0	PHED 1002 – Physical Fitness Test 0
EXPW 1021 1	EXPW 1021 OR EQUIVALENT 1
EXPW 1022 2	EXPW 1022 OR EQUIVALENT 2
EXPW 2130 OR EXPW 2150 3	DIRECTED ELECTIVE**** 3
EXPW 2430 2	EXPW 2430 2
EXPW 2900 3	EXPW 2900 3
EXPW 3170 3	EXPW 3170 3
EXPW 3410 3	EXPW 3410 3
BIOL 2010 OR BIOL 2350 4	BIOL 2350 OR APPROVED A&P COURSE 4
EXPW 3310 1	EXPW 3310 1
CONCENTRATION 57	CONCENTRATION
FOED 2011 2	FOED 2050 3
FOED 3010 3	FOED 3010 3
PSY 2210 3	PSY 2210 3
EXPW 2200 3	EXPW 2200 3
EXPW 3565 3	EXPW 3565 3
EXPW 3720 3	EXPW 3720 3
EXPW 4420 3	EXPW 4420 3
EXPW 4440 3	EXPW 4440 3
EXPW 4520 3	EXPW 4520 3

EXPW 4770	3	EXPW 4770	3
EXPW 4771	3	EXPW 4771	3
EXPW 4730	3	EXPW 4731	2
EXPW 4900	3	DIRECTED ELECTIVE****	3
PE ACTIVITY	4	PE ACTIVITY	4
ELECTIVE		ELECTIVE	
GENERAL	15	GENERAL	15
		DIRECTED (INCLUDED ABOVE)	6

Justification: This change provides students with added flexibility in their course selections as well as help limit the need for course substitutions.

Financial Impact: None

Effective Date: Fall 2025

c. Curriculum Change – Pre-Athletic Training

- i. From: BIOL 1010 Intro Biology OR BIOL 1113 General Biology I
To: BIOL 1010 Intro Biology or BIOL 1113 General Biology I OR any 4-credit hour Gen Ed natural science
- ii. From: BIOL 1020 Diversity of Life or BIOL 1123 General Biology II
TO: BIOL 1020 Diversity of Life or BIOL 1123 General Biology II OR any 4-credit hour Gen Ed natural science
- iii. From: HEC 2220 - Med Term for Human Sciences
TO: EXPW 2220-Medical Terminology (lec 1, cr 1)
Pre-requisite: EXPW 2900 or approval of Instructor.
Designed to provide a general understanding of terminology used in health care and wellness programs.

Human Ecology plans to stop offering HEC 2220, so the Exercise Science department plans to develop a Medical Terminology course to facilitate timely completion of the program of study without having to take the course through RODP.

- vi. Directed electives changing from 8 to 7 because HEC 1030 (2 cr hr) is changing to HEC 2020 (3 cr hr).
- vii. DELETE: HEC 1030 - Intro to Nutrition (2 cr)
ADD: HEC 2020 - Nutrition (3 cr)



Curriculum Comparison Table

Curriculum Comparison Table for a Revised or New Concentration

Program: Exercise Science

Proposed change: AT

CURRENT (120)		Proposed (120)	
GENERAL EDUCATION	41	GENERAL EDUCATION	41
BIOL 1010 OR 1113	4	GEN ED NATURAL SCIENCE	4
BIOL 1020 OR 1123	4	GEN ED NATURAL SCIENCE	4
ENGL 1010	3	ENGL 1010	3
ENGL 1020	3	ENGL 1020	3
MATH 1530	3	MATH 1530	3
HIST 2010	3	HIST 2010	3
HIST 2020	3	HIST 2020	3
COMM 2025 OR PC 2500	3	COMM 2025 OR PC 2500	3
ENGL 2130 OR ENGL 2235 OR ENGL 2330	3	ENGL 2130 OR ENGL 2235 OR ENGL 2330	3
PSY 1030	3	PSY 1030	3
HUMANITIES	6	HUMANITIES	6
SOCIAL BEHAVIORAL SCIENCE	3	SOCIAL BEHAVIORAL SCIENCE	3
MAJOR CORE (REQUIRED)	21	MAJOR CORE (REQUIRED)	21
PHED 1002 – Physical Fitness Test	0	PHED 1002 – Physical Fitness Test	0
EXPW 1021 OR EQUIVALENT	1	EXPW 1021 OR EQUIVALENT	1
EXPW 1022 OR EQUIVALENT	2	EXPW 1022 OR EQUIVALENT	2
EXPW 1150	3	EXPW 1150	3
EXPW 2430	2	EXPW 2430	2
EXPW 2900	3	EXPW 2900	3
EXPW 3170	3	EXPW 3170	3
EXPW 3410	3	EXPW 3410	3
EXPW 2200	3	EXPW 2200	3
EXPW 3310	1	EXPW 3310	1
CONCENTRATION	58	COMCENTRATION	58
EXPW 1110	1	EXPW 1110	1
HEC 1030	2	HEC 2020	3
HEC 2220	1	EXPW 2220	1
BIOL 2010	4	BIOL 2010	4
BIOL 2020	4	BIOL 2020	4
EXPW 2001	4	EXPW 2001	4
EXPW 2002	4	EXPW 2002	4
EXPW3001	3	EXPW3001	3
EXPW 3006	3	EXPW 3006	3
EXPW 3011	3	EXPW 3011	3
EXPW 3032	3	EXPW 3032	3
EXPW 4001	3	EXPW 4001	3
EXPW 4011	3	EXPW 4011	3
EXPW 4420	3	EXPW 4420	3
EXPW 4440	3	EXPW 4440	3
EXPW 4530	3	EXPW 4530	3
EXPW4730	3	EXPW4730	3
ELECTIVES	5	ELECTIVES	4
DIRECTED ELECTIVES	3	DIRECTED ELECTIVES	3

Justification: These changes provide students with added flexibility in their course selections as well as help limit the need for course substitutions.

Financial Impact: None

Effective Date: Fall 2025

d. Curriculum Change: Pre-Physician's Assistant

i. From: MATH 1710 – Pre-Calculus Algebra

To: Gen Ed Mathematics

ii. From: Math 1530 – Introductory Statistics

To: Math 1530 – Introductory Statistics OR

Math 3070 – Statistical Methods OR

BIOL 4220 – Biostatistics

iii. From: EXPW 4520 – Adapted Phy Activity Sport

To: EXPW 4760 – Functional Movement

iv. From: HEC 2220 – Medical Term for Human Sciences

To: HEC 2220 – Medical Term for Human Sciences OR

EXPW 2220 – Medical Terminology

Prerequisite: EXPW 2900 or Anatomy & Physiology course.

Designed to provide a general understanding of terminology used in health care and wellness programs.

Justification: Human Ecology plans to stop offering HEC 2220, so the Exercise Science department plans to develop a Medical Terminology course to facilitate timely completion of the program of study without having to take the course through RODP.

v. Delete:

1. CHEM 3010 – Organic Chemistry I (4 cr)

2. CHEM 3020 – Organic Chemistry II (4 cr)

Moving these to the list of directed electives to better serve the students.

Not all Physician Assistant programs require organic chemistry.

vi. Add:

1. Biology as a built-in minor.

2. Students take 20 credit hours of biology for this concentration which exceeds the requirement of 15 credit hours for a minor in biology.



Curriculum Comparison Table

Curriculum Comparison Table for a Revised or New Concentration

Program: Exercise Science

Proposed change: Pre PA

Current/Existing (120)		Proposed (120)	
GENERAL EDUCATION 41		GENERAL EDUCATION 41	
BIOL1113	4	BIOL1113	4
BIOL 1123	4	BIOL 1123	4
ENGL 1010	3	ENGL 1010	3
ENGL 1020	3	ENGL 1020	3
ENGL 2130 OR 2235 OR 2330	3	ENGL 2130 OR 2235 OR 2330	3
HIST 2010	3	HIST 2010	3
HIST 2020	3	HIST 2020	3
COMM 2025 OR PC 2500	3	COMM 2025 OR PC 2500	3
MATH 1710	3	MATH	3
PSY 1030	3	PSY 1030	3
SOC 1010	3	SOC 1010	3
Humanities	6	Humanities	6
MAJOR CORE (REQUIRED)		MAJOR CORE (REQUIRED) 24	
PHED 1002 – Physical Fitness Test	0	PHED 1002 – Physical Fitness Test	0
EXPW 1021 or equivalent	1	EXPW 1021 OR EQUIVALENT	1
EXPW 1022	2	EXPW 1022	2
EXPW 1150	3	EXPW 1150	3
EXPW 2430	3	EXPW 2430	3
BIOL 2010	4	BIOL 2010	4
BIOL 2020	4	BIOL 2020	4
EXPW 2900	3	EXPW 2900	3
EXPW 3170 OR 3410	3	EXPW 3170 OR 3410	3
EXPW 3310	1	EXPW 3310	1
CONCENTRATION		CONCENTRATION 55	
CHEM 1110	4	CHEM 1110	4
CHEM 1120	4	CHEM 1120	4
HEC 2220	1	EXPW 2220	1
HEC 4030 OR 2020	2 OR 3	HEC 2020	3
MATH 1530	3	MATH 1530 OR 3070 OR BIOL4220	3
PSY 2130	3	PSY 2130	3
EXPW 3032	3	EXPW 3032	3
BIOL 3230	4	BIOL 3230	4
BIOL 3810	4	BIOL 3810	4
EXPW 4420	3	EXPW 4420	3
EXPW 4440	3	EXPW 4440	3
EXPW 4520	3	EXPW 4520 OR 4760	3
EXPW 4730	3	EXPW 4730	3
EXPW 4820	3	EXPW 4820	3
EXPW 4900	3	EXPW 4900	3
CHEM 3010	4	DIRECTED ELECTIVE**	8
CHEM 3020	4		
Elective	2		

e. Curriculum Change: Sports Administration

- i. From: EXPW 1021 – Connections to Exercise Science
To: EXPW 1021 – Connections to Exercise Science OR equivalent
- ii. From: EXPW 1022 – Introduction to Exercise Science
To: EXPW 1022 – Introduction to Exercise Science OR equivalent
- iii. From: BIOL 1010 – Indtro to Biology OR BIOL 1113 General Biology I
To: Any 4-credit hour General Education Science
- iv. From: BIOL 1020 – Diversity of Life or BIOL 1123 General Biology II
To: Any 4-credit hour General Education Science



**Tennessee
TECH**

**Curriculum Comparison Table for a Revised or
New Concentration**

Curriculum Comparison Table

Program: Exercise Science

Proposed change: UPDATE SPORT ADMINISTRATION CONCENTRATION

Current or Existing (120) Name of the Concentration: Sport Administration			Proposed or New (120) Sport Administration		
Rubric	Title	SCH			
General Education			General Education		
		41			41
	English 1010	3	English 1010		3
	English 1020	3	English 1020		3
	Comm 2025 OR PC2500	3	Comm 2025 OR PC2500		3
	Math	3	Math		3
	History 2010	3	History 2010		3
	History 2020	3	History 2020		3
	Biol 1010 or Biol 1113	4	GEN ED NATURAL SCIENCE		4
	Biol 1020 or Biol 1123	4	GEN ED NATURAL SCIENCE		4
	English 2130 or 2235 or 2330	3	English 2130 or 2235 or 2330		3
	Fine Arts/Humanities	6	Fine Arts/Humanities		6
	Social Behavioral Science	3	Social Behavioral Science		3
	PSY 1030	3	PSY 1030		3
Major Core (Required)			Major Core (Required)		
		20			20
	EXPW 1021	1	EXPW 1021 OR EQUIVALENT		1
	EXPW 1022	2	EXPW 1022 OR EQUIVALENT		2
	EXPW 1150	3	EXPW 1150		3
	EXPW 2200	3	EXPW 2200		3
	EXPW 2160	2	EXPW 2160		2
	EXPW 2430	2	EXPW 2430		2
	EXPW 3170 or guided elective	3	EXPW 3170 or guided elective		3
	EXPW 3410 or guided elective	3	EXPW 3410 or guided elective		3
	EXPW 3310	1	EXPW 3310		1
	PHED 1002	0	PHED 1002		0
Concentration			Concentration		
		45			45
	Guided Elective		Guided Elective		
	Guided Elective		Guided Elective		
	EXPW 2170	3	EXPW 2170		3
	Guided Elective		Guided Elective		
	EXPW 4520 – Adapted PE & Sport or Guided elective	3	EXPW 4520 – Adapted PE & Sport or Guided elective		3
	BMGT 3510 or guided elective	3	BMGT 3510 or guided elective		3
	EXPW 4275 – Sport Finance or FIN3210	3	EXPW 4275 – Sport Finance or FIN3210		3
	EXPW 4235 – Sport Law or LAW 2810	3	EXPW 4235 – Sport Law or LAW 2810		3

EXPW 4810 – Field Experience	3	EXPW 4810 – Field Experience	3
EXPW 3235 – Sport Marketing or Mkt 3400	3	EXPW 3235 – Sport Marketing or Mkt 3400	3
EXPW 4171 – Sport Psychology	3	EXPW 4171 – Sport Psychology	3
EXPW 4530 – Org & Admin Athletics	3	EXPW 4530 – Org & Admin Athletics	3
EXPW 4540 – Ethical Issues in Sport	3	EXPW 4540 – Ethical Issues in Sport	3
EXPW 4550 – Sport Governance	3	EXPW 4550 – Sport Governance	3
EXPW 4560 – Facilities planning & mgmt.	3	EXPW 4560 – Facilities planning & mgmt.	3
EXPW 4570 – Fundraising & Revenue Gen in Spt	3	EXPW 4570 – Fundraising & Revenue Gen in Spt	3
EXPW 4580 – Current Issues in Sport	3	EXPW 4580 – Current Issues in Sport	3
EXPW 2235 – Chronicle of Sport or HIST 4470-4479	3	EXPW 2235 – Chronicle of Sport or HIST 4470-4479	3
Electives	14	Electives	14
General	5	General	5
Guided Electives	9	Guided Electives	9
Proposed Guided Electives EXPW 3032, 3070, 3091, 3092, 3180, 3200, 3300, 3301, 3420, 3550, 3565, 4032, 4042, 4730, 4760, 4900 JOUR 2200, JOUR 2220, JOUR 3400 ACCT 3720, ECON 2010, ECON 2020		Proposed Guided Electives EXPW 3032, 3070, 3091, 3092, 3180, 3200, 3300, 3301, 3420, 3550, 3565, 4032, 4042, 4730, 4760, 4900 JOUR 2200, JOUR 2220, JOUR 3400 ACCT 3720, ECON 2010, ECON 2020	
Total	120	Total	120

Justification: This change provides students with added flexibility in their course selections as well as help limit the need for course substitutions.

Financial Impact: None

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

6. **Physics:**

a. New Courses

i. A. PHYS 1090 Concepts of Physics

Lec. 3. Lab. 3 Credit 4

Course description: Selected topics in physics with an emphasis on explaining familiar phenomena. Taught in an integrated lecture/lab style.

Justification: This new course is being proposed at the request of the College of Education. The new course will have the same format as the current PHYS 1310 course with additional topics.

ii. PHYS 3020 Topics in Modern Physics

Lec. 3. Credit 3

Prerequisite: PHYS 2119 or PHYS 2120 and CHEM 1110.

Course description: Introduction to modern physics. Topics include special relativity, quantum theory of light, wave nature of matter, Bohr's theory of the atom, quantum mechanics in one dimension. Selected topics from atomic, molecular, solid state, nuclear, and particle physics.

iii. PHYS 3021 Modern Physics Laboratory

Lab. 3. Credit 1

Prerequisite: PHYS 2119 or PHYS 2120 and CHEM 1110.

Course description: The student will perform selected modern physics experiments that are covered in PHYS 3020.

Justification: For historical reasons, our Modern Physics course has been listed at the 2000 level which is lower than most other institutions including MTSU and Austin Peay. We propose to elevate the course to the 3000 level, which will allow us more flexibility in satisfying the upper-division course requirements in our programs of study. In addition, after the introductory calculus-based course sequence, our students do not take another laboratory until their senior year. There are many interesting laboratories that can be done that complement the PHYS 3020 topics. The lab will provide students with hands-on experience with more complex experiments while providing additional practice analyzing more real-world data.

iv. PHYS 3060 Mathematical Techniques for Physics

Lec. 4. Credit 4

Prerequisite: PHYS 2119 or PHYS 2120 and MATH 2110

Course description: Mathematical techniques for classical and modern physics with emphasis on applications to physical systems. Selected topics from vector analysis, complex analysis, vector spaces and partial differential equations.

Justification: We are proposing to elevate our Mathematical Physics course to the 3000 level as well as increase the number of credit hours from 3 to 4. Elevation to the 3000 level will align this course with its level at other institutions and allow us more flexibility in satisfying the upper-division course requirements in our programs of study. Our students currently take MATH 4510 Advanced Mathematics for Engineers, but only some of the content in this course is relevant. To better meet the needs of our students, the relevant content covered in MATH 4510 will be incorporated into this new course.

v. PHYS 4750 Scientific Proposal Writing

Lec. 2. Credit 2

Prerequisite: PHYS 4710 or 4711 (may be taken concurrently).

Course description: The student will prepare and submit a detailed proposal for a research project to be done in a later semester in the course 4760 (Senior

Thesis Lab). The project may be a continuation of one started in a previous research internship, in which case documentation from the mentor(s) of the internship must be provided.

vi. PHYS 4760 Senior Thesis

Lab. 9. Credit 3

Prerequisite: PHYS 4750 or consent of instructor.

Course description: The student will execute a research project, write a paper about it, and make an oral presentation. The project may be a continuation of one started in a previous research internship, in which case documentation from the mentor(s) of the internship must be provided. All mentors will be involved in determining the final grade. Justification: New course numbers are being proposed due to changes in the credit hours. This course sequence provides students with an opportunity to conduct original research as well as learn how to write a research proposal and present their findings both in writing and orally. The increased credit hours in each course will more accurately reflect the time students are spending in each course.

vii. ASTR 4310 Introduction to Cosmology

Lec. 3. Credit 3

Prerequisite: PHYS 2420 and PHYS 2920

Course description: This course covers the study of the cosmos as a whole, starting from the fundamental observations, creating a model of the universe, accounting for observations regarding dark matter and the cosmic microwave background, nucleosynthesis, inflation, and structure formation.

viii. ASTR 4320 Stellar Astrophysics

Lec. 3. Credit 3

Prerequisite: PHYS 2420 and PHYS 2920

Course description: In this course, we will cover the key topics of stellar structure, formation and evolution, energy transfer, and interiors. Topics include timescales, scaling relations, equations of state, radiative transfer, convection, nuclear reactions and rates, white dwarfs, neutron stars, and supernovae. A major focus of this course will be developing intuition of the mathematical expressions that are essential to understanding the dynamical stellar processes.

ix. ASTR 4760 Senior Thesis

Lab. 9. Credit 3

Prerequisite: ASTR 3100 or consent of instructor.

Course description: The student will execute a research project, write a paper about it, and make an oral presentation. The project may be a continuation of one started in a previous research internship, in which case documentation from the mentor(s) of the internship must be provided. All mentors will be involved in determining the final grade.

Justification: The department is currently developing an Astrophysics concentration. ASTR 4310 and ASTR 4320 have been taught as special topics

courses recently. These courses will provide the upper-division courses needed to meet graduation requirements for this new concentration.

b. Course Deletions:

i. PHYS 1100 Acoustics of Music

Justification: This course has not been offered in a number of years. For those interested in the physics of music, the Physics department is developing a special Acoustics course for Audio majors that will satisfy the Natural Science General Education Core requirement and will be open to all students.

ii. PHYS 4720 Adv Experimental Physics Lab

Justification: This is a housekeeping item. This course should have been removed when we introduced the PHYS 4730 and PHYS 4740 course sequence.

Effective Date: Fall 2025

c. Course Changes:

i. From:

ASTR 1010 - Intro to Modern Astronomy I

Lec. 3. Lab. 3. Credit 4.

Understanding changes in the sky, including the sun, moon, stars and planets. Development of astronomy from pre-history to the current day. Scale and properties of the solar system.

To:

ASTR 1010 - Intro to Modern Astronomy I

Lec. 3. Lab. 3. Credit 4.

Understanding changes in the sky, including the sun, moon, stars and planets. Development of astronomy from pre-history to the current day. Scale and properties of the solar system. Taught in an integrated lecture/lab style.

ii. From:

ASTR 1020 - Intro to Modern Astronomy II

Lec. 3. Lab. 3. Credit 4.

Tools and techniques of astronomy. Properties and life history of stars and galaxies. Introduction to cosmology.

To:

ASTR 1020 - Intro to Modern Astronomy II

Lec. 3. Lab. 3. Credit 4.

Tools and techniques of astronomy. Properties and life history of stars and galaxies. Introduction to cosmology. Taught in an integrated lecture/lab style.

Justification: The current descriptions of these courses do not reflect the integrated lecture/lab style of instruction.

- iii. From:
PHYS 2010 -Algebra-based Physics I
Lec. 3. Lab. 3. Credit 4.
Basic laws of classical mechanics and waves with elementary applications to familiar phenomena.
- To:
PHYS 2010 -Algebra-based Physics I
Lec. 3. Lab. 3. Credit 4.
Basic laws of classical mechanics with elementary applications to familiar phenomena. Taught in an integrated lecture/lab style.
- iv. From:
PHYS 2020 -Algebra-based Physics II
Lec. 3. Lab. 3. Credit 4.
Basic laws of electromagnetism and light with elementary applications and brief introduction to modern physics.
- To:
PHYS 2020 -Algebra-based Physics II
Lec. 3. Lab. 3. Credit 4.
Basic laws of electromagnetism and light with elementary applications. Taught in an integrated lecture/lab style.
Justification: The current descriptions do not reflect the current topics addressed in each course nor the integrated lecture/lab style of instruction.
- v. From:
PHYS 2109 - Calculus-Based Physics I
Lec. 3. Credit. 3
Prerequisite: MATH 1920 (May be taken concurrently). Introduction to classical mechanics and mechanical waves.
- To:
PHYS 2109 - Calculus-Based Physics I
Lec. 3. Credit. 3
Prerequisite: C or better in MATH 1910 or equivalent AP credit for MATH 1910.
Introduction to classical mechanics.
- vi. From:
PHYS 2110 - Calculus-Based Physics I
Lec. 3. Lab. 3. Credit 4
Prerequisite: MATH 1920 (May be taken concurrently). Introduction to classical mechanics and mechanical waves.
- To:
PHYS 2110 - Calculus-Based Physics I with Lab

Lec. 3. Lab. 3. Credit 4

Prerequisite: C or better in MATH 1910 or equivalent AP credit for MATH 1910.

Introduction to classical mechanics with lab.

vii. From:

PHYS 2111 - Calculus-Based Physics I Lab

Lab. 3. Credit 1

Experiments in classical mechanics, and mechanical waves.

To:

PHYS 2111 - Calculus-Based Physics I Lab Lab 3. Credit 1.

Experiments in classical mechanics.

viii. From:

MATH 1920 (May be taken concurrently).

To:

C or better in MATH 1910 or equivalent AP credit for MATH 1910.

Justification: The proposed course descriptions better reflect the current coverage in each course. Adding "with Lab" to the title and the course description of PHYS 2110 will further differentiate it from PHYS 2109 and to make the lab component clear on student transcripts. We have determined that a C or better in MATH 1910 is sufficient as a prerequisite, rather than concurrent enrollment in MATH 1920.

Financial Impact: none

Effective Date: Fall 2025

ix. From:

PHYS 2119 - Calculus-Based Physics II

Lec. 3. Credit 3

Prerequisite: PHYS 2109 or PHYS 2110, MATH 2110 or MATH 2120 (MATH 2110 or MATH 2120 may be taken concurrently).

To:

PHYS 2119 - Calculus-Based Physics II

Lec. 3. Credit 3

Prerequisite: PHYS 2109 or PHYS 2110; C or better in MATH 1920 or equivalent AP credit for MATH 1910 and MATH 1920.

x. From:

PHYS 2120 - Calculus-Based Physics II

Lec. 3. Lab. 3. Credit 4

Prerequisite: PHYS 2109 or PHYS 2110, MATH 2110 or MATH 2120 (MATH 2110 or MATH 2120 may be taken concurrently).

Introduction to classical electromagnetism and optics with lab.

To:

PHYS 2120 - Calculus-Based Physics II with Lab

Lec. 3. Lab. 3. Credit 4

Prerequisite: PHYS 2109 or PHYS 2110; C or better in MATH 1920 or equivalent AP credit for MATH 1910 and MATH 1920.

Introduction to classical electromagnetism and optics with lab.

Justification: Adding "with Lab" to the title and the course description of PHYS 2120 will further differentiate it from PHYS 2119 and to make the lab component clear on student transcripts. We have determined that a C or better in MATH 1920 is sufficient as a prerequisite, rather than concurrent enrollment in MATH 2110 or MATH 2120.

Financial Impact: none

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

7. **Biology**

a. Course addition -

BIOL 1090 - Concepts of Biology

Lec. 3. Lab 2. Credit 4.

Course Description: Basic concepts of biology including botany, zoology, and environmental applications. This course will not count as a part of a biology sequence.

Justification: This course will replace BIOL 1080 (a course on the general education list) by adding an additional hour of lecture per week and changing from a 3-hour class to a 4-hour class. This change was requested by the College of Education, and most of the students who take the class are Education majors. A 4-hour class will enable a more in-depth coverage of some topics and the addition of several other topics that previously were not covered in BIOL 1080. BIOL 1090 will retain all of the student learning outcomes from the previous class and is proposed to be included on the general education list for the university.

Financial Impact: None

Effective Date: Fall 2025

b. Curriculum Change: Biology, Health Science Concentration

- i. Remove CHEM 3020 (Organic Chemistry II) as a required course (Sophomore year - 2nd semester).

Justification: Students in the BIHS concentration often apply to professional programs after graduation. Our curriculum should align as best as possible with as many programs in order to meet the varied student need. Several professional programs no longer require CHEM 3020. Students interested in post-graduate programs that require CHEM 3020 will be advised to take the course as one of their directed electives (see below).

- ii. Add CHEM 3020 (Organic Chemistry II) to the list of Health Sciences Concentration directed electives.

Justification: BIHS students interested in medical, dental, and pharmacy school are required to take CHEM 3020 for admission into their post-graduate professional programs. Students interested in those post-graduate programs will be advised to take CHEM 3020.

- iii. Add BIOL 3010 (Principles of Evolution) to the list of directed electives in the BIHS concentration.

Justification: Evolutionary medicine is a growing field and BIHS students may find having an introductory course in evolution to be advantageous for their chosen career.

- iv. Increase the number of directed electives in the Health Sciences Concentration from 3 to 4 to provide the flexibility for students interested in medical, dental, or pharmacy school the ability to choose CHEM 3020 in addition to three other upper division BIOL courses.

Justification: The BIHS directed elective list contain the most relevant health science related courses we offer and maximizing the number of courses a student can choose from the directed elective list is essential to preparing the student for their respective post-graduate program.

- v. Change the math requirement from 1) MATH 1530, 2) MATH 1710 or MATH 1910, and 3) BIOL 4220 or MATH 3070 to the following:

Choose two of the following courses: MATH 1530 (Introductory Statistics), MATH 1710 (Pre-calculus Algebra), or either of MATH 1830 (Applied Calculus) and MATH 1910 (Calculus I), and

Choose one of the following courses: MATH 1920 (Calculus II), MATH 3070 (Statistical Methods I) or BIOL 4220 (Biostatistics).

Math 1830 and MATH 1910 cannot both be taken for credit.

Justification: Certain professional schools (particularly dental schools) require a year of calculus. Our previous math requirements would not allow those students to take MATH 1920 as one of our three required math courses.

Additionally, students will now be able to take the math course they place into based on their ACT scores and fulfill the desired math requirements (three math courses).

BIOL-BIHS - Biology, Health Sciences Concentration, B.S.

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[Biology](#) UG B.S.

Program Overview

Requirements

Degree Map

Collapse All

Degree Plan - Biology, Health Sciences Concentration, B.S.

Degree Map Narrative

-

Freshman Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL1113](#) - General Biology I (0 - 4 cr)
- [CHEM1110](#) - General Chemistry I (0 - 4 cr)
- [ENGL1010](#) - English Composition I (3 cr)
- [MATH1530](#) - Introductory Statistics (3 cr)

OR

[MATH1710](#) - Pre-Calculus Algebra (3 cr)

OR

[MATH1830](#) - Applied Calculus (3 cr)

OR

[MATH1910](#) - Calculus I (4 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL1123](#) - General Biology II (0 - 4 cr)

- [CHEM1120](#) - General Chemistry II (0 - 4 cr)
- [ENGL1020](#) - English Composition II (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)

Sophomore Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL2010](#) - Human Anatomy & Physiology I (0 - 4 cr)
- [CHEM3010](#) - Organic Chemistry I (0 - 4 cr)
- [ENGL2130](#) - Topics in American Literature (3 cr)

OR

[ENGL2235](#) - Topics in British Literature (3 cr)

OR

[ENGL2330](#) - Topics in World Literature (3 cr)

- [HIST2010](#) - Early United States History (3 cr)
- [MATH1530](#) - Introductory Statistics (3 cr)

OR

[MATH1710](#) - Pre-Calculus Algebra (3 cr)

OR

[MATH1830](#) - Applied Calculus I (3 cr)

OR

[MATH1910](#) - Calculus I (4 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL2020](#) - Human Anatomy & Physiology II (0 - 4 cr)
- [BIOL/Health Science Biology Directed Electives \(Course Set\)](#) (4 cr)
Course Requirement Group (Free Text): 4 credits
- ~~[CHEM3020](#) - Organic Chemistry II (0 - 4 cr)~~
- [HIST2020](#) - Modern United States History (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)
- [PSY1030](#) - Introduction to Psychology (3 cr)

Junior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- ✓ [BIOL3230](#) - Health Science Microbiology (0 - 4 cr)
- ✓ [BIOL3810](#) - General Genetics (0 - 4 cr)
- ✓ [COMM2025](#) - Fundamentals of Communication (3 cr)

OR

[PC2500](#) - Communicating in the Profess (3 cr)

- ✓ [PHYS2010](#) - Algebra-based Physics I (0 - 4 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- ✓ [BIOL3140](#) - Cellular Biology (0 - 4 cr)
- ✓ [BIOL4220](#) - Biostatistics (3 cr)

OR

[MATH1920](#) - Calculus II (4 cr)

OR

[MATH3070](#) - Statistical Methods I (3 cr)

- ✓ [BIOL/Health Science Biology Directed Electives \(Course Set\)](#) (3 cr)
Course Requirement Group (Free Text): 3 credits
- ✓ [PHYS2020](#) - Algebra-based Physics II (0 - 4 cr)

Senior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- ✓ [BIOL3920](#) - Biological Comm Skills (3 cr)
- ✓ [BIOL4040](#) - Immunology (3 cr)
- ✓ [BIOL/Health Science Biology Directed Electives \(Course Set\)](#) (3 cr)
Course Requirement Group (Free Text): 3 credits
- ✓ Electives (3 cr.) (Generic) (3 cr)
- ✓ [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL3120](#) - General Ecology (3 cr)
OR
[BIOL3130](#) - General Ecology (0 - 4 cr)
- [BIOL/Health Science Biology Directed Electives \(Course Set\)](#) (3 - 4 cr)
Course Requirement Group (Free Text): 3 - 4 credits
- Electives (6-8 cr) (Generic) (8 - 6 cr)
- Health Sciences Concentration Directed Electives Select ~~three~~ four of the following courses (~~9-12~~ 12 - 16 hours): **BIOL 3010 – Principles of Evolution Credit: 3.** BIOL 3040 - Comparative Vertebrate Anatomy Credit: 4. BIOL 4060 (5060) - Hormones and Chemical Communication Credit: 3. BIOL 4070 (5070) - Vertebrate Development Credit: 4. BIOL 4140 (5140) - Pathogenic Bacteriology Credit: 3. BIOL 4150 (5150) - Molecular Genetics Credit: 3. BIOL 4750 (5750) - Medical Microbiology Credit: 4. BIOL 4860 (5860) - Disease Prevention Credit: 3. BIOL 4880 (5880) - Bioethics Credit: 3. BIOL 4890 (5890) - Histology Credit: 3. **CHEM 3020 – Organic Chemistry II Credit: 4.** CHEM 4500 - Nutritional Biochemistry Credit: 3. 1 or CHEM 4610 (5610) - General Biochemistry I Credit: 3. 1 Note: 1 Only one of these two classes will count toward this requirement. (Generic)

Financial Impact - No costs are associated with these changes. We anticipate many of our students will continue to take the same sequence of math courses as they currently do. CHEM 3020 may experience a noticeable decrease in BIHS student enrollment since several popular post-graduate programs no longer require the course and those students are likely to select another course from the directed elective list.

Effective Date: Fall 2025

c. Curriculum Change: Biology, Zoology Concentration

- i. Add BIOL 3010 (Principles of Evolution) as a required class to the Zoology concentration.

Justification: Evolution is a foundational principle discussed in most of our courses. We think that a synthesis course at a junior-level is needed to provide an organized synopsis of the topic for all zoology majors.

- ii. Add BIOL 4080 I 5080 (Vertebrate Evolution) to the list of directed electives for the Zoology major.

Justification: Vertebrate Evolution is an advanced treatment of evolution and will expose students to current approaches used to construct and interpret cladograms and phylogenies. It is an excellent course for students pursuing classical zoology.

- iii. Add BIOL 4210 / 5210 (Biological System Modeling) to the list of directed electives for the Zoology major.

Justification: Modeling is a frequently used skill in many conservation-related fields. This course fosters systems thinking, which is important for researchers and practitioners, who must consider the interplay between plants, animals, land use, climate, and other factors.

- iv. Add CHEM 4500 I 5500 (Nutritional Biochemistry) OR CHEM 4610 / 5610 (General Biochemistry I) to the list of directed electives for the Zoology major.

Justification: Several of our majors pursue Veterinary Medicine degrees once

they graduate. Many Colleges of Veterinary Medicine require Biochemistry as an entry requirement and adding this course as a directed elective reduces the number of general elective hours that must be used to meet these requirements.

- v. Add GEOL 3350 (Paleobiology) to the list of directed electives for the Zoology major.

Justification: Paleo biology examines principles of biology and geology related to fossil invertebrates. It is an excellent course for students pursuing classical zoology.

- vi. Change the number of credit hours of BIOL 4810 / 5810 (Ichthyology) in the list of directed electives from 3 to 4.

- vii. Justification: This is a change that was approved in Spring 2024 but not reflected in the current catalog.

- viii. Add CHEM 3010 (Organic Chemistry I) as an option in addition to CHEM 3005 for Zoology majors (Junior year - 1st semester).

Justification: Several of our majors pursue Veterinary Medicine degrees once they graduate. Many Colleges of Veterinary Medicine require Organic Chemistry I and II as an entry requirement, and adding this option reduces the number of general elective hours that must be used to meet these requirements.

BIOL-ZOOL - Biology, Zoology Concentration, B.S.

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[Biology](#) UG B.S.

Program Overview

Requirements

Degree Map

Collapse All

Degree Plan - Biology, Zoology Concentration, B.S.

Degree Map Narrative

-

Freshman Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- [BIOL1113](#) - General Biology I (0 - 4 cr)
- Elective (1 cr.) (Generic) (1 cr)
- [ENGL1010](#) - English Composition I (3 cr)
- [GEOL1040](#) - Physical Geology (0 - 4 cr)

OR

- [PHYS2010](#) - Algebra-based Physics I (0 - 4 cr)
- [MATH1710](#) - Pre-Calculus Algebra (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

13

Requirements

- [BIOL1123](#) - General Biology II (0 - 4 cr)
- [ENGL1020](#) - English Composition II (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)

- [MATH1530](#) - Introductory Statistics (3 cr)

OR

[MATH1830](#) - Applied Calculus (3 cr)

Sophomore Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL2310](#) - General Botany (0 - 4 cr)
- [CHEM1110](#) - General Chemistry I (0 - 4 cr)
- [ENGL2130](#) - Topics in American Literature (3 cr)

OR

[ENGL2235](#) - Topics in British Literature (3 cr)

OR

[ENGL2330](#) - Topics in World Literature (3 cr)

- [HIST2010](#) - Early United States History (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

~~17~~ 14

Requirements

- [BIOL3130](#) - General Ecology (0 - 4 cr)
- [CHEM1120](#) - General Chemistry II (0 - 4 cr)
- [COMM2025](#) - Fundamentals of Communication (3 cr)

OR

[PC2500](#) - Communicating in the Profess (3 cr)

- ~~Electives (3 cr.) (Generic) (3 cr)~~

- [HIST2020](#) - Modern United States History (3 cr)

Junior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

~~14~~ 17

Requirements

- [BIOL3010](#) - Principles of Evolution (3 cr)
- [BIOL3200](#) - General Microbiology (0 - 4 cr)
OR
[BIOL3230](#) - Health Science Microbiology (0 - 4 cr)
- [CHEM3005](#) - Elementary Organic Chemistry (0 - 4 cr)
OR
[CHEM3010](#) - Organic Chemistry I (0 - 4 cr)
- [MATH3070](#) - Statistical Methods I (3 cr)
OR
[BIOL4220](#) - Biostatistics (3 cr)
- [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL3140](#) - Cellular Biology (0 - 4 cr)
- [BIOL3810](#) - General Genetics (0 - 4 cr)
- [BIOL3920](#) - Biological Comm Skills (3 cr)
- [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Senior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- [BIOL3330](#) - Entomology (0 - 3 cr)
OR
[BIOL4610](#) - Invertebrate Zoology (0 - 3 cr)
- [BIOL/Zoology Directed Electives \(Course Set\)](#) (6 cr)
Course Requirement Group (Free Text): 6 credits
- Electives (6 cr.) (Generic) (6 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- BIOL3530 - Animal Physiology (3 cr)
- BIOL/Zoology Directed Electives (Course Set) (~~6-8~~ **6-9** cr)
Course Requirement Group (Free Text): ~~6-8~~ **6-9** credits
- Electives (~~4-6~~ **3-6** cr.) (Generic) (~~6-4~~ **6-3** cr)
- 1 Three math/statistics courses are required, one each from the following pairs of courses: MATH 1710, either MATH 1530 or MATH 1830, and either MATH 3070 or BIOL 4220 (5220) /WFS 4220 (5220). (Generic)
- 2 Zoology Concentration Directed Electives Select from four of the following courses (~~12-14~~ **12-15** hours):
2: BIOL 3040 - Comparative Vertebrate Anatomy Credit: 4. BIOL 4000 (5000) - General Parasitology Credit: 4. BIOL 4070 (5070) - Vertebrate Development Credit: 4. **BIOL 4080 - (5080) Vertebrate Evolution Credit: 3. BIOL 4210 (5210) - Biological Systems Modeling Credit: 3. BIOL 4230 (5230) - Animal Behavior Credit: 3. BIOL 4630 (5630) - Ornithology Credit: 3. BIOL 4650 (5650) - Marine Biology Credit: 4. BIOL 4810 (5810) - Ichthyology Credit: 3. BIOL 4820 (5820) - Mammalogy Credit: 3. BIOL 4830 (5830) - Herpetology Credit: 3. CHEM 4500 (5500) - Nutritional Biochemistry Credit: 3 or CHEM 4610 (5610) - General Biochemistry I Credit: 3. GEOL 3350 - Paleobiology Credit: 3. WFS 4730 (5730) - Conservation Biology Credit: 3. Note: 2 At least two of the directed electives must be selected from the four vertebrate zoology courses: BIOL 4630 (5630) or BIOL 4810 (5810) or BIOL 4820 (5820) or BIOL 4830 (5830). (Generic)**

Financial Impact: None

Effective Date: Fall 2025

d. Curriculum change: Biology, Microbiology concentration

- i. Add BIOL 4090 / 5090 (Microbial Physiology) as an option, in addition to CHEM 4500 I 5500 (Nutritional Biochemistry) or BIOL 4610 / 5610 (General Biochemistry) as a required course (Senior year - 2nd semester).

Justification: This course will serve as a third option to meet the biochemistry/microbial physiology requirement of the Microbiology Concentration, providing more flexibility to students pursuing this concentration.

- ii. Add BIOL 4770 I 5770 (Mycology) to the list of directed electives for the Microbiology Concentration.

Justification: Although we have advanced courses providing introductions to most groups of micro- and macro-organisms, we have never had a formal course studying fungi, a very diverse and important group of organisms. This recently approved course is an appropriate directed elective for microbiology majors.

- iii. Change the math requirement from 1) MATH 1530, 2) MATH 1710 or MATH 910, and 3) BIOL 4220 or MATH 3070 to the following:

Choose two of the following courses: MATH 1530 (Introductory Statistics), MATH 1710 (Pre-calculus Algebra), or either of MATH 1830 (Applied Calculus) and MATH 1910 (Calculus I), and

Choose one of the following courses: MATH 1920 (Calculus II), MATH 3070 (Statistical Methods I) or BIOL 4220 (Biostatistics).

Math 1830 and MATH 1910 cannot both be taken for credit.

Justification: Many microbiology majors pursue careers that require degrees from professional schools. Certain professional schools (particularly dental schools) require a year of calculus. Our previous math requirements would not allow those students to take MATH 1920 as one of our three required math courses. Additionally, students will now be able to take the math course they

place into based on their ACT scores and fulfill the desired math requirements (three math courses).

BIOL-MICB - Biology, Microbiology Concentration, B.S.

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[Biology](#) UG B.S.

Program Overview

Requirements

Degree Map

Collapse All

Degree Plan - Biology, Microbiology Concentration, B.S.

Degree Map Narrative

-

Freshman Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- [BIOL1113](#) - General Biology I (0 - 4 cr)
- [CHEM1110](#) - General Chemistry I (0 - 4 cr)
- [†] Elective (1 cr.) (Generic) (1 cr)
- [ENGL1010](#) - English Composition I (3 cr)
- [MATH1530](#) - Introductory Statistics (3 cr)
OR
[MATH1710](#) - Pre-Calculus Algebra (3 cr)
OR
[MATH1830](#) - Applied Calculus (3 cr)
OR
[MATH1910](#) - Calculus I (4 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL1123](#) - General Biology II (0 - 4 cr)
- [CHEM1120](#) - General Chemistry II (0 - 4 cr)
- [ENGL1020](#) - English Composition II (3 cr)
- [MATH1530](#) - Introductory Statistics (3 cr)

OR

[MATH1710](#) - Pre-Calculus Algebra (3 cr)

OR

[MATH1830](#) - Applied Calculus I (3 cr)

OR

[MATH1910](#) - Calculus I (4 cr)

Sophomore Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL2310](#) - General Botany (0 - 4 cr)
- [CHEM3005](#) - Elementary Organic Chemistry (0 - 4 cr)

OR

[CHEM3010](#) - Organic Chemistry I (0 - 4 cr)

- [ENGL2130](#) - Topics in American Literature (3 cr)

OR

[ENGL2235](#) - Topics in British Literature (3 cr)

OR

[ENGL2330](#) - Topics in World Literature (3 cr)

Course Requirement Group (Free Text): 3 credits

- [HIST2020](#) - Modern United States History (3 cr)
- [MATH1920](#) - Calculus II (4 cr)

OR

[MATH3070](#) - Statistical Methods I (3 cr)

OR

[BIOL4220](#) - Biostatistics (3 cr)

- [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL3140](#) - Cellular Biology (0 - 4 cr)
- [BIOL3810](#) - General Genetics (0 - 4 cr)
- [BIOL4110](#) - Microbial Evolution (3 cr)
- Elective (3 cr.) (Generic) (3 cr)

Senior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15 - 16

Requirements

- [BIOL3920](#) - Biological Comm Skills (3 cr)
- [BIOL4130](#) - Environmental Microbiology (0 - 3 cr)
- [BIOL/Microbiology Directed Electives \(Course Set\)](#) (3 - 4 cr)

Course Requirement Group (Free Text): 3-4 credits

- [HIST2010](#) - Early United States History (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL3200](#) - General Microbiology (0 - 4 cr)
- OR**
- [BIOL3230](#) - Health Science Microbiology (0 - 4 cr)
- [CHEM3020](#) - Organic Chemistry II (0 - 4 cr)
- OR**
- Elective (4 credits) (Generic) (4 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)
- [COMM2025](#) - Fundamentals of Communication (3 cr)
- OR**
- [PC2500](#) - Communicating in the Profess (3 cr)

Junior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- [BIOL3120](#) - General Ecology (3 cr)
- OR**
- [BIOL3130](#) - General Ecology (0 - 4 cr)
- [BIOL/Microbiology Directed Electives \(Course Set\)](#) (3 cr)

- \ Electives (3 cr.) (Generic) (3 cr)
- | Social/Behavioral Sciences (Course Set) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

16 - 15

Requirements

- | BIOL4090 - Microbial Physiology (3 cr)

OR

CHEM4500 - Nutritional Biochemistry (3 cr)

OR

CHEM4610 - General Biochemistry I (3 cr)

- | BIOL4150 - Molecular Genetics (3 cr)
- | BIOL4750 - Medical Microbiology (0 - 4 cr)
- | BIOL/Microbiology Directed Electives (Course Set) (2 - 4 cr)
Course Requirement Group (Free Text): 2-4 credits
- \ Electives (1 - 4 cr.) (Generic) (4 - 1 cr)
- 1 Three math/statistics courses are required, one each from the following pairs of courses: MATH 1710 , either MATH 1530 or MATH 1830 , and either MATH 3070 or BIOL 4220 (5220) /WFS 4220 (5220) . 2 Students must take CHEM 3010 and CHEM 3020 if they take CHEM 4610 (5610) . (Generic)
- ^ Microbiology Concentration Directed Electives Select any three of the following courses (8-11 hours): BIOL 4000 (5000) - General Parasitology Credit: 4. BIOL 4040 (5040) - Immunology Credit: 3. BIOL 4120 (5120) - Protozoology Credit: 4. BIOL 4140 (5140) - Pathogenic Bacteriology Credit: 3. BIOL 4160 (5160) - Genetic Engineering Laboratory Credit: 2. **BIOL 4770 (5770) – Mycology Credit: 3.** BIOL 4780 (5780) - Phycology Credit: 3. BIOL 4850 (5850) - Applied Microbiology Credit: 3. BIOL 4860 (5860) - Disease Prevention Credit: 3. BIOL 4870 (5870) - Microbiomes Credit: 3. (Generic)

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Financial Impact: None

Effective Date: Fall 2025

e. Curriculum change: Botany Concentration

- i. Add BIOL 3010 (Principles of Evolution) as a required course in the BOT concentration (Sophomore year - 1st semester).

Justification: Evolution is a foundational principle discussed in most of our courses. We think that a synthesis course at a junior-level is needed to provide an organized synopsis of the topic for all botany majors.

- ii. Add BIOL 4981 (Botany Senior Thesis I) and BIOL 4982 (Botany Senior Thesis II) as required courses (Senior year-1st and 2nd semesters).

Justification: The ability to plan, execute, and present the results of a research study are essential skills needed by our graduates. These two courses will provide that experience, with guidance and support from faculty.

- iii. Remove AGRN 1100 (Plant Science) and AGRN 1110 (Plant Science Lab) as required courses (Sophomore year - 1st semester).

Justification: The content in AGRN 1100 and AGRN 1110 overlap substantially with that of BIOL 2310 (General Botany). With the availability of several new botany courses, students are better served by taking courses with less redundancy.

- iv. Remove BIOL 3200 (General Microbiology) or BIOL 3230 (Health Sciences Microbiology) as required courses (Senior year - 1st semester), by moving them to the list of directed electives.

Justification: Microbiology is not part of standard botanical curricula at comparable universities. Plant-fungal and plant-bacterial interactions are covered in BIOL 2310 (General Botany), providing sufficient background in prokaryotic biology for botany majors.

- v. Add AGRN 2400 (Introduction to Soils) to the list of directed electives.

- vi. Justification: Soils

provide the media for plant growth, as well as providing water and nutrients. Soil composition influences plant distribution and diversity. This course will be a valuable foundational class for botany majors.

- vii. Add BIOL 3200 (General Microbiology) or BIOL 3230 (Health Sciences Microbiology) to the list of directed electives.

Justification: Microbiology is commonly taken by transfer students and biology majors who change concentrations. Adding these courses to the list of directed electives enables these students to receive credit for the courses. Credit will not be issued for both BIOL 3200 and BIOL 3230.

- viii. Add BIOL 4190/5190 (Molecular Signal Integration) to the list of directed electives.

Justification: As sessile organisms, plants are highly responsive to predictable changes in their environment. Understanding what mechanisms trigger key developmental shifts (such as to flowering) are important for students going into a range of plant-related fields.

- ix. Add BIOL 4200/5200 (Plant Developmental Morphology) to the list of directed electives.

Justification: For students who wish to pursue graduate studies in plant biology, this course provides an essential foundation in plant development and the interaction between genes and the environment.

- x. Add BIOL 4210/5210 (Biological Systems Modeling) to the list of directed

electives.

Justification: Modeling is a frequently used skill in many plant-related fields for tasks such as risk assessments, cultivar selection, and recommendations for cultivation techniques. This course fosters systems thinking, which is important for researchers and practitioners, who must consider the interplay between plants, land use, climate, lineage, and other factors.

- x. Add BIOL 4350/5350 (Restoring Resilient Ecosystems) to the list of directed electives.

Justification: Long-term maintenance of restored plant communities is influenced by environmental factors such as changing hydrological cycles, climate, and human land use. This class will prepare students interested in plant conservation, restoration, or ecology to consider factors that influence the long-term health of plant communities.

- xii. Add BIOL 4360 (Science and Art of Botany) to the list of directed electives.

Justification: Botanical illustration is an in-demand skill for those that pursue careers in taxonomy and plant systematics.

- xiii. Add GEOG 4510 (GIS I) and GEOG 4511 (GIS II) to the list of directed electives.

Justification: GIS is used extensively by most conservation agencies, and mapping plant communities is an important tool. Many students pursuing field-based careers in botany need GIS skills.

- xiv. Add GEOL 3550 (Paleoclimates) to the list of directed electives.

Justification: For those students pursuing graduate degrees in botany, an understanding of paleobotany and geological history are essential. This course covers the role of plants in shaping our current environment and important geological time periods where plants underwent major changes.

- xv. Delete AGHT 3400 (Landscape Horticulture) from the list of directed electives.

Justification: This course does not provide enough of a connection to fundamental botany concepts relevant to our students.

- xvi. Delete AGHT 3410 (Plant Propagation) from the list of directed electives.

- xvii. Justification: This class was used as a directed elective because of limited botany offerings in the Department of Biology. With the availability of several new botany courses, students are better served by taking courses more appropriate to their major.

- xviii. Delete BIOL 4300/5300 (Plant Speciation and Evolution) from the list of directed electives.

Justification: This course will no longer be offered because of the addition of BIOL 3010 to the curriculum.

- xix. Increase the number of directed electives from three to four.

- xx. Justification: With the removal of Microbiology and Plant Science from the curriculum and the addition of Principles of Evolution and Senior Thesis, three additional credit hours of courses became available. We believe that students will be better served by taking an additional directed elective course, especially with the increase in our offerings.

Program Overview

Requirements

Degree Map

Collapse All

Degree Plan - Biology, Botany Concentration, B.S.

Degree Map Narrative

-

Freshman Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

15

Requirements

- [BIOL1113](#) - General Biology I (0 - 4 cr)
- [CHEM1110](#) - General Chemistry I (0 - 4 cr)
- Elective (1 cr.) (Generic) (1 cr)
- [ENGL1010](#) - English Composition I (3 cr)
- [MATH1710](#) - Pre-Calculus Algebra (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

14

Requirements

- [BIOL1123](#) - General Biology II (0 - 4 cr)
- [CHEM1120](#) - General Chemistry II (0 - 4 cr)
- [ENGL1020](#) - English Composition II (3 cr)

- [MATH1530](#) - Introductory Statistics (3 cr)

OR

- [MATH1830](#) - Applied Calculus (3 cr)

Sophomore Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

~~14~~ 13

Requirements

- ~~[AGRN1100](#) - Plant Science (3 cr)~~
- ~~[AGRN1110](#) - Plant Science Laboratory (1 cr)~~
- [BIOL2310](#) - General Botany (0 - 4 cr)
- [BIOL3010](#) - Principles of Evolution (3 cr)
- [ENGL2130](#) - Topics in American Literature (3 cr)

OR

- [ENGL2235](#) - Topics in British Literature (3 cr)

OR

- [ENGL2330](#) - Topics in World Literature (3 cr)

- [MATH3070](#) - Statistical Methods I (3 cr)

OR

- [BIOL4220](#) - Biostatistics (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL3130](#) - General Ecology (0 - 4 cr)

- [COMM2025](#) - Fundamentals of Communication (3 cr)

OR

- [PC2500](#) - Communicating in the Profess (3 cr)
- [GEOL1040](#) - Physical Geology (0 - 4 cr)
- [HIST2010](#) - Early United States History (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)

Junior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term **2024 2025** -

Actual Credits

16

Requirements

- [AGHT3450](#) - Dendrology (0 - 3 cr)
- [CHEM3005](#) - Elementary Organic Chemistry (0 - 4 cr)
- [HIST2020](#) - Modern United States History (3 cr)
- [Humanities and/or Fine Arts \(Course Set\)](#) (3 cr)
- [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term **2024 2025** -

Actual Credits

14

Requirements

- [BIOL3140](#) - Cellular Biology (0 - 4 cr)
- [BIOL3240](#) - Field Botany (0 - 3 cr)
- [BIOL3810](#) - General Genetics (0 - 4 cr)
- [Social/Behavioral Sciences \(Course Set\)](#) (3 cr)

Senior Year

First Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

~~13~~ 14

Requirements

- ~~BIOL3200 - General Microbiology (0 - 4 cr)~~

OR

~~BIOL3230 - Health Science Microbiology (0 - 4 cr)~~

- [BIOL3920](#) - Biological Comm Skills (3 cr)
- [BIOL4310](#) - Plant Anatomy (0 - 3 cr)
- [BIOL4330](#) - Plant Ecology (0 - 3 cr)
- [BIOL4981](#) - Botany Senior Thesis I (1 cr)
- [BIOL/Botany Directed Electives \(Course Set\)](#) (4 cr)

Course Requirement Group (Free Text): 4 credits

Second Semester

Total Degree Map Credits

120

Degree Map Effective Catalog Year

Fall Term ~~2024~~ 2025 -

Actual Credits

17

Requirements

- [BIOL4320](#) - Plant Physiology (0 - 3 cr)
- [BIOL4982](#) - Botany Senior Thesis II (1 cr)
- [BIOL/Botany Directed Electives \(Course Set\)](#) (~~8~~ 5-10 cr)

Course Requirement Group (Free Text): 3 credits

- Electives (~~6~~ 3-8 cr.) (Generic) (~~6~~ 3-8 cr)
- 1 Three math/statistics courses are required, one each from the following pairs of courses: MATH 1710 , either MATH 1530 or MATH 1830 , and either MATH 3070 or BIOL 4220 (5220) /WFS 4220 (5220) . (Generic)

- Botany Concentration Directed Electives Choose ~~three-four~~ of the following courses (8-9 9-14 hours): ~~AGHT 3400 – Landscape Horticulture Credit: 3. AGHT 3410 – Plant Propagation Credit: 3. AGRN 2400 – Introduction to Soils Credit: 3. BIOL 3200 – General Microbiology OR BIOL 3230 – Health Sciences Microbiology Credit: 4. BIOL 3330 – Entomology Credit: 3. BIOL 4150 (5150) – Molecular Genetics Credit: 3. BIOL 4160 (5160) – Genetic Engineering Laboratory Credit: 2. BIOL 4190 (5190) – Molecular Signal Integration Credit: 3. BIOL 4200 (5200) – Plant Developmental Morphology Credit: 3. BIOL 4210 (5210) – Biological Systems Modeling Credit: 3. BIOL 4300 (5300) – Plant Speciation and Evolution Credit: 3. BIOL 4340 (5340) – Plant-Animal Interactions Credit: 3. BIOL 4350 (5350) – Restoring Resilient Ecosystems Credit: 3. BIOL 4360 – Science and Art of Botany Credit: 1. GEOG 4510 – GIS I Credit: 3. GEOG 4511 – GIS II Credit: 3. GEOL 3550 – Paleoclimates Credit: 4. WFS 4730 (5730) – Conservation Biology Credit: 3.~~

(Generic)

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Financial Impact: none

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

8. Chemistry

a. New Courses:

- CHEM 1090: Concepts of Chemistry, Lec. 3, Lab 3, Credit 4

Prerequisite: None.

Concepts of Chemistry is an activity driven, integrated lecture/laboratory course covering the fundamental chemical principles of the structure of matter, the evidence and behavior chemical structure determines, as well as the real-world applications of chemical principles.

Justification: This is a new course that is being modified from CHEM 1310 (3 credit hours) initially designed for education majors. The increase in the credit hours is from the incorporation additional lab time and activities. It continues to meet the needs of education majors, while also being open to a broad audience of non-STEM majors. We will be seeking approval for this to be a General Education science requirement. This change is consistent with changes to the other science Concepts courses and has been requested by the College of Education to align with their program changes. CHEM 1310 will no longer be offered and will be removed from the catalog at a future date. CHEM 1090 can be taken to improve a grade in CHEM 1310 taken previously.

ii. CHEM4920: Chemistry Seminar, Lec. 3, Credit 3

Prerequisite: Three semesters of chemistry courses.

Seminar course focusing on the use of chemical literature, employment and interviewing skills, computer literacy, and the organization and presentation of current topics in chemistry.

Justification: A new course number is being proposed due to the change in credit hours. The students currently spend two hours per week in the class and are also required to attend the Chemistry Department's Friday seminar presentations (external faculty presentations and graduate student thesis presentations- all are one hour). The additional credit hour is reflective of the time they are spending in class each week. CHEM 4910 will no longer be offered and will be removed from the catalog at a future date. CHEM 4920 can be taken to improve a grade in CHEM 4910 taken previously.

b. Course Changes:

i. CHEM 1121: General Chemistry II Honors Recitation - Rec. 1, Credit 0

Current corequisite: CHEM 1120. A grade of "A" or "B" in CHEM 1110 is also recommended.

Proposed corequisite: CHEM 1120

Justification: The recommended grade was modified in Course Dog and became a required grade. Successful completion of CHEM 1110 and the ability to advance to CHEM 1120 is sufficient for qualifying for the Honors recitation for the course.

ii. CHEM 3005: Elementary Organic Chemistry-Lec. 3, Lab 3 Credit 4

Current prerequisites: CHEM 1020 or 1120.

Proposed prerequisites: CHEM 1020 or 1120, or (CHEM 1010 or 1110, and ESS 3710)

Justification: The new ESS concentration in Environmental Science requires CHEM 3005 to further students' knowledge and experience with Organic Chemistry. CHEM 1020 is not included in this curriculum, so this created the need for permits to students in this concentration. ESS 3710 would cover the additional content needed to advance to CHEM 3005 without the need to take CHEM 1020 or 1120.

iii. CHEM 4210/5210: Chemistry of Polymers - Lec. 3, Credit 3

Current prerequisites: CHEM 3020 and CHEM 3500 or 3510

Proposed prerequisites: CHEM 3020

Justification: The current course delivery and content does not require extensive knowledge of Physical Chemistry (CHEM 3500 or 3510).

- iv. CHEM 4310/5310: Nuclear Chemistry and Radiochemistry-Lec. 2, Lab 3, Cr. 3
Current prerequisites: CHEM 3500 or 3510 (may be taken concurrently)

Proposed prerequisites: CHEM 3410, with a grade of C or better

Justification: The current course delivery and content does not require extensive knowledge of Physical Chemistry. The calculation, statistics, and lab skills developed in CHEM 3410 are of importance to the lab portion of CHEM 4310/5310.

- v. CHEM 4410/5410: Forensic Chemistry-Lec. 3, Lab 3, Credit 4
Current prerequisites: CHEM 1120, 3020 and 3410

Proposed prerequisites: CHEM 3020 or 3410

Justification: The CHEM 1120 prerequisite is redundant since that is a prerequisite for both of the other classes. Students are given permits to take CHEM 4410/5410 if they have taken either CHEM 3020 or 3410.

- vi. CHEM 4500: Nutritional Biochemistry- Lec. 3, Credit 3
Current prerequisites: CHEM 3005

Proposed prerequisites: CHEM 3005 or 3010

Justification: CHEM 3010 is a more in-depth course in Organic Chemistry and provides the background needed for this course. This would allow students having either Organic course to register for CHEM 4500 without needing to issue permits.

- vii. CHEM 4610: General Biochemistry I- Lec. 3, Credit 3
Current prerequisites: CHEM 3010 and 3020 or consent of instructor

Proposed prerequisites: CHEM 3020 or 3010 with a grade of B or higher

Justification: CHEM 3020 provides students with a strong foundation for the content they interact with in 4610, but our department has observed that high performing students (B or better) in CHEM 3010 can successfully take CHEM 3020 and 4610 concurrently. This change also allows some students to stay on track for graduation, as well as allows for students with a strong background in CHEM 3010 to take CHEM 4610 if their degree programs do not require CHEM 3020.

- viii. CHEM 4520/5520: Instrumental Analysis - Lec. 3, Lab 3, Credit 4
Current prerequisites: CHEM 3410 and 3510

Proposed prerequisites: CHEM 3410 and CHEM 3500 or 3510 (may be taken concurrently)

Justification: Most students earning chemistry degrees take the Elements of Physical Chemistry class (CHEM 3500: algebra-based survey of Physical Chemistry). This will reduce the number of permits needed. The course does not require extensive knowledge of Physical Chemistry in advance, so it may be taken concurrently.

- ix. CHEM 4620/5620: General Biochemistry II - Lec. 3, Credit 3
Current prerequisites: CHEM 4610/5610

Proposed prerequisites: CHEM 4300/4610/5610

Justification: CHEM 4300 is the online General Biochemistry I course offered online in the summer term. This is the same course as 4610 but has a different course number due to being a TN eCampus course.

Financial Impact: None

Effective Date: Fall 2025

c. Curriculum Changes

- i. Add list of Advanced Chemistry Course options to the following concentrations:

1. Pure Chemistry (6 hours)
2. Environmental Chemistry (3 hours)
3. Health Science Chemistry (3 hours)
4. Business Chemistry (9 hours)
5. Custom Chemistry (9 hours)
 - a. Advanced Chemistry Courses: CHEM 3520, CHEM 4110, CHEM 4150, CHEM 4210, CHEM 4310, CHEM 4320, CHEM 4410, CHEM 4520, CHEM 4610, CHEM 4620, CHEM 4650, CHEM 4710, CHEM 4720, CHEM 4980, CHEM 4991, CHEM 4992, CHEM 4993 (Total of CHEM 4991/4992/4993 cannot exceed more than 4 combined hours)

Justification: Currently any advanced chemistry option is listed as advisor approved and must be submitted through a substitution. Adding a list of the advanced chemistry courses would allow these to automatically populate in Degree Works without requiring a substitution.

- ii. Add "Or Advisor Approved" to the Technical Requirements/Complementary Courses to the following concentrations:

1. Environmental Chemistry
2. Health Science Chemistry
3. Industrial Chemistry
4. Forensic Chemistry
5. Business Chemistry

Justification: Other departments change course offerings that can impact when and what classes in this category chemistry students can take. Some departments remove courses included in this category or add courses that might be relevant to certain concentrations, so adding the "Or Advisor Approved" language allows flexibility in modifying courses based on current offerings that is faster than getting curriculum changes approved on a semester-to-semester basis.

iii. Environmental Chemistry Concentration

1. Add BIOL 3200/3230 to list of Technical Requirements/Complementary Courses
 - a. Current List: BIOL 3210 and 12 hours from: AGRN 3230, 4220; BIOL 4130, 4840; GEOG 4510; GEOL 4300, 4711
 - b. Proposed List: BIOL 3210 and 12 hours from: AGRN 3230, 4220; BIOL 3200 or 3230, 4130, 4840; GEOG 4510; GEOL 4300, 4711

Justification: BIOL 3200/3230 is a prerequisite for BIOL 4130 but is not included as an option in this program's degree requirements. By including it as a technical requirement option, it would allow students to take BIOL 4130 without additional coursework beyond their degree requirements. It also provides students with a background in microbiology that can be useful for environmental work.

iv. Modify Science and Math Requirements for the following concentrations:

1. Environmental Chemistry
2. Health Science Chemistry
3. Industrial Chemistry
4. Forensic Chemistry
5. Business Chemistry
6. Custom Chemistry

Current Requirements: BIOL 1113, BIOL 1123, MATH 1530, MATH 1910, PHYS 2010/2110, PHYS 2020/2120 (23 hours total)

Proposed Requirements: MATH 1910, PHYS 2010/2110, PHYS 2020/2120 and 11-12 hours from: BIOL 1113, BIOL 1123, MATH 1530, MATH 2010, MATH 1920, MATH 2110, MATH 2120, MATH 3070, MATH 3080 (23-24 hours total)

Justification: Chemistry is a broad and diverse field and the different subdisciplines and specializations require different areas of foundational knowledge. Giving more flexibility in the math and science options allows students to complete courses that are most relevant to their post-graduation plans. It also allows for flexibility for students pursuing dual degrees in chemistry and other STEM fields without needing additional coursework. All chemistry majors would still take one semester of Calculus (MATH 1910) and two semesters of Physics (PHYS 2010/2110 and 2020/2120) and would then be able to work with their advisor to determine

which other math and science options best fit their interests and goals. This also allows students to add American Chemical Society certification to their degrees without needing to take additional courses.

v. Health Science Chemistry Concentration

Remove BIOL 4150 from Technical Requirements/Complementary Courses list, add BIOL 3140, 4060, 4750

Current: BIOL 2010, BIOL 2020, BIOL 3230, one from: BIOL 3810, 4040, or 4150

Proposed: BIOL 2010, BIOL 2020, BIOL 3230, one from: BIOL 3140, 3810, 4040, 4060, 4750

Justification: BIOL 4150 is a redundant option since it has a prerequisite of BIOL 3810, so once the prerequisite is met then this option is completed in the concentration requirements. Adding BIOL 3140 (Cellular Biology), BIOL 4060 (Hormones and Chem Comm), and BIOL 4750 (Medical Microbiology) would offer more options that are relevant to students with healthcare career interests.

vi. Replace CHEM 4910 (Chemistry Seminar, 2 hours) with CHEM 4920 (Chemistry Seminar, 3 hours) in all chemistry concentrations:

1. Pure Chemistry
2. Biochemistry
3. Environmental Chemistry
4. Health Science Chemistry
5. Industrial Chemistry
6. Forensic Chemistry
7. Business Chemistry
8. Custom Chemistry

Justification: Upon the approval of the new course, CHEM 4920, the previous course will no longer be offered and will be removed from the catalog at a later date. All students earning a chemistry degree will be required to take the updated three credit hour course covering post-graduation readiness and professional scientific presentation skills.

vii. Industrial Chemistry Concentration

Replace CHEM 4210, 4520, and 4710 advanced chemistry courses with select 9 hours from: CHEM 3520, CHEM 4110, CHEM 4150, CHEM 4210, CHEM 4310, CHEM 4320, CHEM 4410, CHEM 4520, CHEM 4610, CHEM 4620, CHEM 4650, CHEM 4710, CHEM 4720, CHEM 4980, CHEM 4991, CHEM 4992, CHEM 4993 (Total of CHEM 4991/4992/4993 cannot exceed more than 4 combined hours)

Justification: Students intending to pursue a career in industrial chemistry may need varying advanced chemistry knowledge depending on what type of industry they are working in. This change would allow students to work with their advisor to select the courses that best fit their career goals.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	MATH 1920 Calculus II	4
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3
ENGL 1010 English Composition I	3	Social Science General Education Credit	3
Social Science General Education Credit	3		

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 2010 Intro to Inorganic	3	CHEM 3020 Organic Chemistry II	4
CHEM 2910 Undergraduate Research Methods I	1	MATH/PHYS Elective	3
CHEM 3010 Organic Chemistry I	4	PHYS 2120 Calculus-based Physics II	4
MATH 2110 Calculus III	4	ENGL 2130/2235/2330 Literature	3
PHYS 2110 Calculus-based Physics I	4	Humanities General Education Credit	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3410 Quantitative Analysis	4	CHEM 3520 Physical Chemistry II	4
CHEM 3510 Physical Chemistry I	4	HIST 2020 Modern US History	3
HIST 2010 Early US History	3	COMM 2025/PC 2500 Oral Communication	3
Humanities General Education Credit	3	Elective	5

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 4210 Chemistry of Polymers	3	CHEM 4110 Inorganic Chemistry	3
CHEM 4520 Instrumental Analysis	4	CHEM 4150 Inorganic Chemistry Lab	1
CHEM 4610 General Biochemistry I	3	Advanced Chemistry Electives	6
CHEM 4920 Chemistry Seminar	3	CHEM 4991 Undergraduate Research	1
Electives	3	Electives	2

Catalog Year: 2025-2026

Major: Chemistry

Concentration: Biochemistry

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	ENGL 1020 English Composition II	3
MATH 1910 Calculus I	4	BIOL 1123 General Biology II	4
ENGL 1010 English Composition I	3	Social Science General Education Credit	3
BIOL 1113 General Biology I	4		

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3410 Quantitative Analysis	4	CHEM 3420 Analytical Applications	3
PHYS 2010/2110 Physics I	4	PHYS 2020/2120 Physics II	4
BIOL 3230 Health Science Microbiology	4	BIOL 3140 Cellular Biology	4
Humanities General Education Credit	3	Humanities General Education Credit	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4
HIST 2010 Early US History	3	CHEM 3500 Elements of Physical Chemistry	3
COMM 2025/PC 2500 Oral Communication	3	HIST 2020 Modern US History	3
BIOL 3810 General Genetics	4	ENGL 2130/2235/2330 Literature	3
		Social Science General Education Credit	3

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 4610 General Biochemistry I	3	CHEM 4620 General Biochemistry II	3
CHEM 4920 Chemistry Seminar	3	CHEM 4650 General Biochemistry Lab	2
MATH 3070 Statistical Methods	3	BIOL 4150 Molecular Genetics	3
Elective	7	BIOL 4040/4060	3
		Electives	4

Catalog Year: 2025-2026

Major: Chemistry

Concentration: Environmental Chemistry

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	BIOL/MATH Elective	4
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3
ENGL 1010 English Composition I	3	Humanities General Education Credit	3
BIOL/MATH Elective	4		

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 2010 Intro to Inorganic	3	CHEM 3500 Elements of Physical Chemistry	3
CHEM 3410 Quantitative Analysis	4	PHYS 2020/2120 Physics II	4
PHYS 2010/2110 Physics I	4	COMM 2025/PC 2500 Oral Communication	3
BIOL 3120 Ecology	3	BIOL/MATH Elective	3
Social Science General Education Credit	3	Technical Requirement	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4
CHEM 4520 Instrumental Analysis	4	ENGL 2130/2235/2330 Literature	3
HIST 2010 Early US History	3	HIST 2020 Modern US History	3
Technical Requirement	3	Technical Requirement	3

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 4710 Environmental Chemistry	3	CHEM 4720 Advanced Environmental Chemistry	3
CHEM 4920 Chemistry Seminar	3	Advanced Chemistry	3
Social Science General Education Credit	3	Humanities General Education Credit	3
Elective	6	Technical Requirement	3
		Elective	3

Course	Cr. Hrs.	Course	Cr. Hrs.
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FIRST YEAR

Semester: Fall	Total Credit Hours:	16	Semester: Spring	Total Credit Hours:	17
CHEM 1110 General Chemistry I		4	CHEM 1120 General Chemistry II		4
CHEM 1500 First Year Interactions and Advisement		1	BIOL/MATH Elective		4
MATH 1910 Calculus I		4	ENGL 1020 English Composition II		3
ENGL 1010 English Composition I		3	Humanities General Education Credit		3
BIOL/MATH Elective		4	Social Science General Education Credit		3

Course	Cr. Hrs.	Course	Cr. Hrs.
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SOPHOMORE YEAR

Semester: Fall	Total Credit Hours:	15	Semester: Spring	Total Credit Hours:	15
CHEM 2010 Intro to Inorganic		3	CHEM 3020 Organic Chemistry II		4
CHEM 3010 Organic Chemistry I		4	PHYS 2020/2120 Physics II		4
PHYS 2010/2110 Physics I		4	BIOL 2020 A&P II		4
BIOL 2010 A&P I		4	BIOL/MATH Elective		3

Course	Cr. Hrs.	Course	Cr. Hrs.
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JUNIOR YEAR

Semester: Fall	Total Credit Hours:	14	Semester: Spring	Total Credit Hours:	15
CHEM 3410 Quantitative Analysis		4	CHEM 3420 Analytical Applications		3
BIOL 3230 Health Science Microbiology		4	CHEM 3500 Elements of Physical Chemistry		3
HIST 2010 Early US History		3	Humanities General Education Credit		3
ENGL 2130/2235/2330 Literature		3	HIST 2020 Modern US History		3
			Social Science General Education Credit		3

Course	Cr. Hrs.	Course	Cr. Hrs.
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SENIOR YEAR

Semester: Fall	Total Credit Hours:	16	Semester: Spring	Total Credit Hours:	12
CHEM 4610 General Biochemistry I		3	CHEM 4620 General Biochemistry II		3
CHEM 4920 Chemistry Seminar		3	Advanced Chemistry		3
Technical Requirement		4	COMM 2025/PC 2500 Oral Communication		3
Elective		6	Elective		3

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	BIOL/MATH Elective	4
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3
ENGL 1010 English Composition I	3	Humanities General Education Credit	3
BIOL/MATH Elective	4		

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 2010 Intro to Inorganic	3	CHEM 3420 Analytical Applications	3
CHEM 3410 Quantitative Analysis	4	PHYS 2020/2120 Physics II	4
PHYS 2010/2110 Physics I	4	BIOL/MATH Elective	3
ECON 2010 Microeconomics	3	COMM 2025/PC 2500 Oral Communication	3
Technical Requirement	3	ECON 2020 Macroeconomics	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4
Technical Requirement	3	CHEM 3500 Elements of Physical Chemistry	3
HIST 2010 Early US History	3	Technical Requirement	3
ENGL 2130/2235/2330 Literature	3	HIST 2020 Modern US History	3

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
Advanced Chemistry	3	Advanced Chemistry	6
CHEM 4920 Chemistry Seminar	3	Technical Requirement	3
Technical Requirement	3	Humanities General Education Credit	3
Electives	5	Electives	5

Catalog Year: 2025-2026

Major: Chemistry
Concentration: Industrial Chemistry

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours: 16	Semester: Spring	Total Credit Hours: 16
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	BIOL/MATH Elective	4
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3
ENGL 1010 English Composition I	3	Humanities General Education Credit	3
BIOL/MATH Elective	4	MET 1100 Intro to Manufacturing/Engineering	2

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours: 17	Semester: Spring	Total Credit Hours: 15
CHEM 2010 Intro to Inorganic	3	CHEM 3420 Analytical Applications	3
CHEM 3410 Quantitative Analysis	4	PHYS 2020/2120 Physics II	4
PHYS 2010/2110 Physics I	4	COMM 2025/PC 2500 Oral Communication	3
Social Science General Education Credit	3	MET 2000 Occupational Safety	2
MET 2400 Statics & Strengths of Materials	3	BIOL/MATH Elective	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours: 13	Semester: Spring	Total Credit Hours: 13
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4
Advanced Chemistry	3	CHEM 3500 Elements of Physical Chemistry	3
HIST 2010 Early US History	3	HIST 2020 Modern US History	3
ENGL 2130/2235/2330 Literature	3	PC 3520 Professional Communications	3

COOP 2010-2030 After junior year (3 semesters) 3

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours: 15	Semester: Spring	Total Credit Hours: 12
Advanced Chemistry	3	Advanced Chemistry	3
CHEM 4920 Chemistry Seminar	3	Humanities General Education Credit	3
Social Science General Education Credit	3	Technical Requirement	3
Electives	6	Electives	3

Catalog Year: 2025-2026

Major: Chemistry
Concentration: Forensic Chemistry

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
CHEM 1500 First Year Interactions and Advisement	1	BIOL/MATH Elective	4
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3
ENGL 1010 English Composition I	3	Humanities General Education Credit	3
BIOL/MATH Elective	4	Social Science General Education Credit	3

Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 2010 Intro to Inorganic	3	CHEM 3500 Elements of Physical Chemistry	3
CHEM 3410 Quantitative Analysis	4	PHYS 2020/2120 Physics II	4
PHYS 2010/2110 Physics I	4	CJ 2660 Criminology	3
BIOL 3810 General Genetics	4	COMM 2025/PC 2500 Oral Communication	3
		BIOL/MATH Elective	3

Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4
CHEM 4520 Instrumental Analysis	4	BIOL 4150 Molecular Genetics	3
HIST 2010 Early US History	3	HIST 2020 Modern US History	3
CJ 4250 Drugs/Behavioral Pharmacology	3	ENGL 2130/2235/2330 Literature	3

Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours:	Semester: Spring	Total Credit Hours:
CHEM 4610 General Biochemistry I	3	CHEM 4650 General Biochemistry Lab	2
CHEM 4920 Chemistry Seminar	3	CHEM 4410 Forensic Chemistry	4
Social Science General Education Credit	3	BIOL 3330/CJ 3640 Entomology/Cyber Crime	3
Elective	5	Humanities General Education Credit	3
		Elective	3

Course	Cr. Hrs.	Course	Cr. Hrs.		
FIRST YEAR					
Semester: Fall	Total Credit Hours:	16	Semester: Spring	Total Credit Hours:	14
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4		
CHEM 1500 First Year Interactions and Advisement	1	BIOL/MATH Elective	4		
MATH 1910 Calculus I	4	ENGL 1020 English Composition II	3		
ENGL 1010 English Composition I	3	Humanities General Education Credit	3		
BIOL/MATH Elective	4				

Course	Cr. Hrs.	Course	Cr. Hrs.		
SOPHOMORE YEAR					
Semester: Fall	Total Credit Hours:	14	Semester: Spring	Total Credit Hours:	16
CHEM 2010 Intro to Inorganic	3	CHEM 3420 Analytical Applications	3		
CHEM 3410 Quantitative Analysis	4	PHYS 2020/2120 Physics II	4		
PHYS 2010/2110 Physics I	4	Social Science General Education Credit	3		
Social Science General Education Credit	3	COMM 2025/PC 2500 Oral Communication	3		
		BIOL/MATH Elective	3		

Course	Cr. Hrs.	Course	Cr. Hrs.		
JUNIOR YEAR					
Semester: Fall	Total Credit Hours:	13	Semester: Spring	Total Credit Hours:	14
CHEM 3010 Organic Chemistry I	4	CHEM 3020 Organic Chemistry II	4		
Technical Requirement	3	CHEM 3500 Elements of Physical Chemistry	3		
HIST 2010 Early US History	3	HIST 2020 Modern US History	3		
ENGL 2130/2235/2330 Literature	3	Technical Requirement	4		

Course	Cr. Hrs.	Course	Cr. Hrs.		
SENIOR YEAR					
Semester: Fall	Total Credit Hours:	17	Semester: Spring	Total Credit Hours:	16
Advanced Chemistry		3	Advanced Chemistry Courses		6
CHEM 4920 Chemistry Seminar		3	Technical Requirement		4
Technical Requirement		3	Electives		3
Elective		8	Humanities General Education Credit		3

Financial Impact: none

Effective date: Fall 2025

Motion to approve: Julie Baker**Second:** Lisa Zagumny**Vote:** Motion Carried**9. School of Art, Craft and Design****a. Course Additions**

- i. ARED 1251: Digital Technologies in Art Education
2 credits studio

Justification: We need a 2-credit hour studio course for our art education students to adjust for the removal of residency I.

Financial impact: None.

Effective date: Fall 2025.

- ii. ART 3625: Surface Design
2 credits studio

Justification: We need a 2-credit hour studio course for our art education students to adjust for the removal of residency I.

Financial impact: None.

Effective date: Fall 2025.

- iii. ART 2505: Introduction to Ceramics
3 credits studio

Justification: Add an introductory level course that introduces students to both of the fundamental techniques of handbuilding and wheelthrowing within a single course. Financial impact: None

Effective date: Fall 2025

b. Course Deletions

- i. ART 2090: Special Problems/Photograph {1 credit}

Justification: obsolete course. Cleaning up catalog Effective date: Fall 2025

- ii. ART 2080: Special Problems/Printmaking (1 credit)

Justification: obsolete course. Cleaning up catalog.

Effective date: Fall 2025

c. Course Changes

- i. ART 2040: Printmaking Relief

DELETE Pre-requisites: ART 1010: 2D Design and ART 2310: Drawing I

ADD Pre-requisites: ART 1340: Foundation Studio I, and ART 1045: Drawing I

Justification: updating to current course numbers

Effective date: Fall 2025

- ii. ART 3810: Metalsmithing

ADD: ART 2340: CAD for the Artist to list of pre-requisite drawing courses (I 050: Drawing II, or 2330: Technical Drawing, or 2340: CAD for the Artist)

Make repeatable up to 12 hours.

Effective date: Fall 2025

iii. ART 3811: Metalsmithing

ADD: ART 2340: CAD for the Artist to list of pre-requisite drawing courses (1050: Drawing II, or 2330: Technical Drawing, or 2340: CAD for the Artist)

Effective date: Fall 2025

iv. ART 3820: Blacksmithing

ADD: ART 2340 to list of pre-requisite drawing courses (1050: Drawing II, or 2330: Technical Drawing, or 2340: CAD for the Artist)

Make repeatable up to 12 hours.

Effective date: Fall 2025

v. ART 3821: Blacksmithing

ADD: ART 2340 to list of pre-requisite drawing courses (1050: Drawing II, or 2330: Technical Drawing, or 2340: CAD for the Artist) and ART 2810: Intro to Metals

Effective date: Fall 2025

vi. ART 4232: Design Portfolio II

ADD pre-requisite: ART 4231 Design Portfolio I

Effective date: Fall 2025

vii. ART 4212: Design Practicum

ADD pre-requisite: ART 3230: Design Studio III

ADD pre-requisite: ART 3240: Illustration/Visual Narrative

Effective date: Fall 2025

viii. ART 4221: Internship

ADD pre-requisite: ART 4231: Portfolio I

ADD pre-requisite: ART 3240: Illustration/ Visual Narrative

ADD pre-requisite: ART 4212 Design Practicum

REMOVE pre-requisite: ART 4211 Design Practicum

Effective date: Fall 2025

ix. ART 4231: Design Portfolio I

ADD pre-requisite: ART 3230: Design Studio III

ADD pre-requisite: ART 3240: Illustration/Visual Narrative

Effective date: Fall 2025

x. ART 3540: Intermediate Wheelthrowing

ADD ART 2505: Introduction to Ceramics to list of pre-requisites. List EITHER ART 2505: Introduction to Ceramics OR ART 2540: Introduction to Wheelthrowing.

Make non-repeatable

Effective date: Fall 2025

xi. ART 3511: Intermediate Handbuilding

ADD ART 2505: Introduction to Ceramics to list of pre-requisites. List EITHER ART 2505: Introduction to Ceramics OR ART 2510 Introduction to Handbuilding.

Make non-repeatable

Effective date: Fall 2025

d. Curriculum Changes

i. Bachelor of Fine Arts, metals

1. CHANGE: 1 credit hour of Art elective in spring of junior year
To 1 credit hour elective (open)
2. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice
fall and spring of junior year.
3. CHANGE FROM ART 3811 Metalsmithing Spring of sophomore year
TO ART 3810 Metalsmithing Spring of sophomore year
4. CHANGE FROM ART 3811 /3821 spring of junior year
TO ART 3810/3820 spring of junior year. Effective: fall 2025

Student Name:

T#:

Current GPA:

Bachelor of Fine Arts
Concentration in Metals

Student email:

Academic Advisor: Erin Ramsey, Bill DeJournett,
wdejournett@tntech.edu
Faculty Advisor: Dan Randall, DRandall@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
ART 1320-Creative Studio	3			ART 1045-Drawing I	3		
Approved Gen. Ed Math	3			ART 2810-Intro to Metals	3		
Humanities/Fine Arts Elective: Must be Art 2000 or Art 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 2330-Technical Drawing(Fall Only) OR ART 2340-CAD for the Artist	3			ART 1250-Intro to Digital Imaging	3		
ART 3810- Metalsmithing	3			ART 3820-Blacksmithing	3		
ART 2020-Art History Survey II *only offered in fall*	3			ART 3811-Metalsmithing ART 3810 Metalsmithing	3 3		
HIST 2010-Early United States History	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3810/3820- Metal/Blacksmithing	3			ART 3811/3821- Metal/Blacksmithing ART 3810/3820- Metal/Blacksmithing	3 3		
Studio Intro of choice (2050, 2210, 2410, 2505 , 2510, 2540, 2610, 2710, or 2910,)	3			COMM 2025 OR PC 2500	3		
ART 3099-Professional Practices *only offered in fall*	3			Art 3830: Independent Study	3		
ART History Elective	3			Studio Intro of choice (2050, 2210, 2410, 2505 , 2510, 2540, 2610, 2710, or 2910)	3		
ENGL 2130, 2235, OR 2330	3			HIST 2020-Modern United States History	3		
				ART-Studio Elective	1		
TOTAL	15			TOTAL	16		

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4811-Senior Thesis in Metals I**	3			ART 4813-Senior Thesis in Metals III**	3		
ART 4812-Senior Thesis in Metals II**	3			ART 4814-Senior Thesis in Metals IV**	3		
ART History Elective	3			Elective	3		
Social Behavioral Science	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
Elective	3						
TOTAL	15			TOTAL	12		

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list(located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall.

ART 3130 Art Since 1900 is only offered in spring.

ART 3099 Professional Practices is only offered in fall.

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours. Simplify advising and course substitutions resulting from the different course numbers.

ii. Bachelor of Fine Arts, clay

1. ADD: ART 2505: Introduction to Ceramics to list of Ceramic Intro course options in spring Freshman Year. (ART 2505 Introduction to Ceramics OR ART 2510 Introduction to Handbuilding OR ART 2540 Introduction to Wheelthrowing)
2. CHANGE: ART Studio Elective (1 cr.) to Elective (1 cr.) spring of senior year
3. DELETE ART 2510 Intro to Handbuilding OR ART 2540 Intro to Wheelthrowing from fall of sophomore year.

4. MOVED Studio Intro of Choice (3cr) from Fall of Junior year to fall of sophomore year. MOVED Natural Sciences (4cr) from spring of Junior year to fall of junior year.
5. ADD ART 3530 Independent Study in Clay to spring of Junior year.
6. REMOVE ART 3540 Intermediate Wheelthrowing from fall of sophomore year.
7. REMOVE ART 351 I Intermediate Handbuilding from spring of sophomore year.

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Clay

Academic Advisor: Bill DeJournett
Faculty Advisor: Jessica Wilson, JLwilson@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1320: Creative Studio	3			ART 1045-Drawing I	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
Approved Gen.Ed Math	3			ART 2510-Intro to Handbuilding OR ART 2540-Intro to Wheelthrowing OR ART 2505-Intro to Ceramics	3		
Gen Ed Humanities/Fine Arts: Art 2000 Survey I or Art 1035: Intro to Art	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1050-Drawing II OR ART 2330-Technical Drawing(Fall Only) OR ART 2340-CAD for the Artist	3			ART 1250-Intro to Digital Imaging	3		
ART 3540-Intermediate-Wheelthrowing OR ART 3511- Intermediate Handbuilding *only offered in fall	3			ART 3540- Intermediate Wheelthrowing *only offered in spring OR ART 3511-Intermediate Handbuilding	3		
ART 2020-Art History Survey II *only offered in Fall*	3			ART 3130-Art Since 1900 *only offered in Spring*	3		
HIST 2010-Early United States History	3			Studio Intro of choice (2050, 2210, 2410, 2610, 2710, 2810, 2910, or 3810)	3		
Studio Intro of choice (2050, 2210, 2410, 2610, 2710, 2810, 2910, or 3810)	3			Natural Science Elective	4		
ART 2510-Intro to Handbuilding OR ART 2540-Intro to Wheelthrowing	3						
TOTAL	15			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3520/1-Advanced Clay Studio	3			ART 3520/1-Advanced Clay Studio	3		
Studio Intro of choice (2050, 2210, 2410, 2610, 2710, 2810, 2910, or 3820)	3			HIST 2020-Modern United States History	3		
ART 3099-Professional Practices *only offered in fall semesters*	3			ENGL 2130, 2235, OR 2330	3		
ART History Elective	3			ART History Elective	3		
COMM 2025 OR PC 2500	3			Natural Science Elective	4		
Natural Science Elective	4			ART 3530 Independent Studies in Clay	3		
				TOTAL	15		
TOTAL	16						

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4511-Senior Thesis in Clay I**	3			ART 4513-Senior Thesis in Clay III**	3		
ART 4512-Senior Thesis in Clay II**	3			ART 4514-Senior Thesis in Clay IV**	3		
Elective	3			ART Studio Elective	1		
Social Behavioral Science	3			Elective	3		
Studio Intro of Choice	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
TOTAL	15			TOTAL	13		

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list (located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in fall.

Form Updated: 04/2024

Student Info Updated 2/21/2025

Justification: to provide curricular flexibility and reduce independent study hours. Simplify advising and course substitutions resulting from the different course numbers.

Financial Impact: none

iii. Bachelor of Fine Arts, design

1. CHANGE: 1 credit hour of Art elective in spring of senior year
To 1 credit hour elective (open)
2. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice
spring of junior year and fall of senior year.

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Design

Academic Advisor: Tenika Burgess and Bill DeJournett

student email:

Faculty Advisor: David Gallop, DGallop@tntech.edu
or Matthew Holben, mholben@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			ART 1320: Creative Studio	3		
ART 1250- Digital Imaging Basics	3			ART 2210-Intro to Design	3		
Approved Gen. Ed Math	3			ART 2220-Typography,Text, and Image	3		
Humanities/Fine Arts: Must be ART 2000 or ART 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1045-Drawing I	3			ART 1050-Drawing II OR ART-2340-CAD for the Artist	3		
ART 3210-Design Studio I	3			ART 3220-Design Studio II	3		
ART 1350-Foundation Studio II	3			COMM 2025 or PC 2500	3		
ART 2020-Art History Survey II *only offered in fall*	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3230-Design Studio III	3			Elective	3		
ART 3240-Illustration/Visual Narrative	3			Studio Intro of choice (2050, 2410, 2505, 2510, 2540, 2610, 2710, 2810, 2910, 3820)	3		
HIST 2010-Early United States History	3			ART Studio	3		
ART Studio	3			HIST 2020-Modern United States History	3		
ART History Elective	3			ART History Elective	3		
TOTAL	15			TOTAL	15		

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4212-Design Practicum	3			ART 4221-Design Internship	3		
ART 4231-Design Portfolio I	3			ART 4232-Design Portfolio 2	3		
Studio Intro of choice (2050, 2410, 2505, 2510, 2540, 2610, 2710, 2810, 2910, 3820)	3			Elective	3		
ENGL 2130, 2235, OR 2330	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
Social Behavioral Science	3			Art Studio Elective	1		
TOTAL	15			TOTAL	13		

**Student will need to meet with Faculty Advisor each semester to ensure they are on track to begin Practicum and Internship and arrange an agreement of the work to be completed for these credits.

**In specific circumstances students can repeat ART 4221-Design Internship in place of taking Practicum with approval from instructor.

Courses taken for General Education requirements must be from the approved list (located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall. ART 3130 Art Since 1900 is only offered in spring.

CHANGES:

CHANGE: 1 credit hour of Art elective in spring of senior year to 1 credit hour elective (open)
ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice spring of junior year and fall of senior year.

Effective: fall 2025

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours. Curriculum map attached.

iv. Bachelor of Fine Arts, Art Education

1. CHANGE FROM FOED 1822: Intro Field Experience/Orientation or FOED 1820: Intro Field Experience
TO FOED 2050 Fall Sophomore Year
2. CHANGE FROM ARED 1251 Digital Technologies in Art Education (3 cr.)
TO ARED 1250 Digital Technologies in Art Education (2 cr.), spring sophomore year
3. CHANGE FROM ART 2041 Printmaking-Relief (3 cr.)
TO ART 2040 Printmaking-Relief (2 cr.), fall junior year.
4. ADD ART 3625 to list of course options in Fall of Junior year. Complete EITHER ART 2040 Printmaking Relief OR ART 3625 Surface Design
5. CHANGE FROM ARED 2051: STEAM Studio (3 cr.)
TO ARED 2050: STEAM Studio (2 cr.), spring junior year.
6. CHANGE FROM Studio Emphasis
TO Upper-Division Studio Emphasis, spring junior year. ADD CUED 3505 or CUED 3500 to spring of junior year.
7. DELETE SPED 2010 from spring of junior year.
8. CHANGE FROM Studio Emphasis
TO Upper-Division Studio Emphasis, fall senior year.
9. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice spring of sophomore year.
10. CHANGE FROM Studio Emphasis or guided elective in fall of junior year
TO Studio Emphasis (delete guided electives)

Name:

T#:

GPA:

ACT:

Academic Advisor: Bill DeJournett, wdejournett@tntech.edu, o

Faculty Advisor: Jeremy Blair, JBlair@tntech.edu

Bachelor of Fine Arts (120 hours)

Art Education Licensure (K-12)

E-mail:

Freshman Year, Fall				Freshman Year, Spring			
Course	Hrs.	Gr.	Sub.	Course	Hrs.	Gr.	Sub.
ENGL 1010 English Composition I	3			ENGL 1020 English Composition II	3		
♦ ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
ART 1320: CREATIVE STUDIO	3			♦ ART 1045-Drawing I	3		
ARED 2020-Art Education Theory Fall only	3			Gen. Ed Math: 1010, 1130, 1420, 1530, 1610, 1710, 1720, 1730, 1830 or 1910 not 1410	3		
Natural Science Elective (Biology, Chemistry, Geology, Physics, Astronomy)	4			Natural Science Elective: Biology, Chemistry, Geology, Physics, Astronomy)	4		
TOTAL	16			TOTAL	16		= 32 hour

Testing Requirements if **not** exempt by ACT/SAT score:

PRAXIS Core exam

Student score:

(5712) Passing Score for Reading: 156

(5722) Passing Score for Writing: 162

(5732) Passing Score for Math: 150

♦ Prerequisite for Painting I.

Sophomore Year, Fall				Sophomore Year, Spring			
Course	Hrs.	Gr.	Sub.	Course	Hrs.	Gr.	Sub.
ENGL 2130, 2235, or 2330 American, British or World Lit	3			COMM 2025 or PC 2500	3		
§ ART 1050-Drawing II	3			ART 2000-Art History I	3		
ART 2020-Art History Survey II *only offered in fall semesters*	3			ARED 1251 Digital Technologies in Art Education ARED-1250-	2 3		
ART 2410 Intro to Painting I	3			ART 2510, 2540, 2610, 2710, 2810, 2910, or 3820 [craft class, outside studioemphasis)	3		
Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
FOED 2050	3						
TOTAL	18			TOTAL	14		=32 hours

Note: Substitutions (Sub Filed) in Blue have **NOT** been approved.

§ Prerequisites: Art 1340 and 1045

Junior Year, Fall				Junior Year, Spring			
Course	Hrs.	Gr.	Sub. Filed	Course	Hrs.	Gr.	Sub. Filed
HIST 2010-Early United States History	3			HIST 2020-Modern United States History	3		
EDPY 2210 Educational Psych	3			ARED 2050 STEAM Studio ARED 2051	2 3		
** [ARED 3155 Practicum I	1			*ARED 3165 Practicum II	1		
**[ART 3205 Methods & Media]	3			ART 3130,3150,3160,4100,4170 Upper-division Art History elective	3		
**ART 2040 Printmaking Relief (offered every other year) ART 2041 OR ART 3625 Surface Design	2 3			CUED 3500 or 3505 SPED 2010	3		
Studio Emphasis or guided elective:	3			Upper-Division Studio Emphasis:	3		
TOTAL	15			TOTAL	15		= 30 hours
Praxis II EXAMS ** Subject to change: Check TN Requirements at ETS.org before registering. Passing scores for Art Content Praxis must be on file with Office of Teacher Ed BEFORE entering Residency I. All Praxis must be attempted before Residency II. Please see benchmarks!							
ART: Art Content & Analysis**			Test code: 5135	passing score: 161	Student score:		

*ARED 2020 is a prerequisite course to ARED 3155, 3165, and ART 3205. Also, Admission to the Teacher Ed program is required

*ARED 3155 and ART 3205 are Prerequisites to ARED 3165

**[ARED 3155 and ART 3205 must be taken together]

Senior Year, Fall				Senior Year, Spring			
Course FALL ONLY	Hrs.	Gr.	Sub. Filed	Course SPRING ONLY	Hrs.	Gr.	Sub. Filed
ART 3130,3150,3160,4100, OR 4170 Upper-division Art History Elective	3			ARED 4900 Residency	10		
Studio Emphasis: or-guided-elective	3						
ARED 4875 Applications of Learning	5			ARED 4925 Applications of Teaching	2		
Upper-Division Studio Emphasis:	3						
TOTAL	14			TOTAL	12		= 26 hrs

Extra or Elective Courses	Hrs.	Gr.	Extra or Elective Courses	Hrs.	Gr.

Additionally, all benchmarks for Teacher Ed Program and Residency must be met. See advisor for a list of benchmarks and deadlines.

A grade of "B" or better is required for continuation in program for the following courses: ARED 2020 and ARED 4875.
Studio emphasis hours can be divided between two media

ART 2020 Art History Survey II is only offered in fall semesters.

ART 2040 is offered every other year.

ARED 1251 and ARED 2051 alternate years and are only offered in spring.

Art Education: Updated 10/24

CHANGES MADE:

DELETE "or guided elective" from fall of senior year

ADD CUED 3000 or 3505 to spring of junior year

ADD FOED 2050 to fall of sophomore year

DELETE ARED 1250 from spring of sophomore year

ADD ARED 1251 to spring of sophomore year

DELETE ART 2041 fall of junior year

ADD ART 2040 fall of junior year

DELETE ARED 2051 spring of junior year

ADD ARED 2050 spring of junior year

DELETE ARED 1250 spring of sophomore year

ADD ARED 1251 spring of sophomore year

ADD ART 3625 to course option in fall of sophomore year

DELETE SPED 2010 from spring junior year.

Notes section: *A grade of "B" or better is required for continuation in the program for the following courses: ARED 2020 and ARED 4875*

Justification: curricular changes as a result of deletion of residency I in fall of senior year and elimination of single hour FOED course.

Financial impact: None

Effective Date: fall 2025.

v. Bachelor of Fine Arts, glass

1. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring of junior year.
2. CHANGE from Art Studio Elective (1 cr) to GLASS Studio Elective (1 cr) fall of senior year. Effective: fall 2025

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Glass

Academic Advisor: Bill DeJournet
Faculty Advisor: Damon MacNaught,
dmcnaught@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
ART 1320-Creative Studio	3			ART 1045-Drawing I	3		
Approved Gen. Ed Math	3			ART 2710-Intro to Glass	3		
Humanities/Fine Arts Elective: Must be Art 2000 or Art 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1050-Drawing II OR ART 2330-Technical Drawing(Fall Only) OR ART 2340-CAD for the Artist	3			ART 1250-Intro to Digital Imaging	3		
ART 3710- Int. Glass Studio	3			ART 3711- Int. Glass Studio	3		
ART 2020-Art History Survey II *only offered in Fall*	3			ART 3740 -Warm Glass OR ART 3750- Production Glass OR ART 3760-Lampworking	3		
HIST 2010-Early United States History	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3720- Adv. Glass Studio	3			ART 3721- Adv. Glass Studio	3		
ART 3099-Professional Practices *only offered in fall*	3			ART 3730 OR ART 4740	3		
ENGL 2130, 2235, OR 2330	3			ART History Elective	3		
ART History Elective	3			HIST 2020-Modern United States History	3		
Studio Intro (2050, 2210, 2410, 2505, 2510, 2540, 2610, 2810, 2910, or 3820)	3			Studio Intro of choice (2050, 2210, 2410, 2505, 2510, 2540, 2610, 2810, 2910, or 3820)	3		
TOTAL	15			TOTAL	15		

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4711-Senior Thesis in Glass I**	3			ART 4713-Senior Thesis in Glass III **	3		
ART 4712-Senior Thesis in Glass II**	3			ART 4714-Senior Thesis in Glass IV **	3		
Glass Studio Elective	1			Elective	3		
Elective	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
Social Behavioral Science	3			COMM 2025 OR PC 2500	3		
				TOTAL	15		
TOTAL	13						

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list (located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall.

ART 3130 Art Since 1900 is only offered in spring.

ART 3099 Professional Practices is only offered in fall.

CHANGES:

ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring of junior year.

CHANGE from ART studio elective (1cr.) in Fall of Senior year to GLASS studio elective (1cr.)

Financial impact: None.

Justification: to provide increased course options.

vi. Bachelor of Fine Arts, fibers

1. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice spring of junior year and fall of senior year.

2. CHANGE Studio Art Elective (1 cr.) in spring of senior year to Elective (1 cr.)

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Fibers

Academic Advisor: Bill DeJournett
Faculty Advisor: Rena Wood, RWood@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1320-Creative Studio	3			ART 1045-Drawing I	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
Approved Gen. Ed Math-	3			ART 2610-Intro to Fibers	3		
Humanities/Fine Arts Elective: Must be Art 2000 or Art 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1050-Drawing II OR ART 2330-Technical Drawing(Fall Only) OR ART 2340-CAD for the Artist	3			ART 1250-Intro to Digital Imaging	3		
ART 3610 Weaving I OR ART 3620- Surface Design I OR ART 3640 3-D Structures I	3			ART 3610 Weaving I OR ART 3620- Surface Design I OR ART 3640 3-D Structures I	3		
ART 2120-Art History Survey II *only offered in fall*	3			Elective	3		
HIST 2010-Early United States History	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective-	4			Natural Science Elective-	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3610 Weaving I OR ART 3620- Surface Design I OR ART 3640 3-D Structures I	3			ART 3611-Weaving II OR ART 3621-Surface Design II OR ART 3641 3-D Structures II OR ART 3630 OR ART 3631-Ind. Study- Fibers	3		
ART 3650-Fiber Art Studio I	3			ART 3651- Fiber Art Studio II	3		
ART 3099-Professional Practices *only offered in fall*	3			Studio Intro of choice (2050, 2210, 2410, 2505, 2510, 2540, 2710, 2810, 2910, or 3820)	3		
ART History Elective	3			ART History Elective	3		
ENGL 2130, 2235, OR 2330	3			HIST 2020-Modern United States History	3		
TOTAL	15			TOTAL	15		

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4611-Senior Thesis in Fibers I**	3			ART 4613-Senior Thesis in Fibers III**	3		
ART 4612-Senior Thesis in Fibers II**	3			ART 4614-Senior Thesis in Fibers IV**	3		
Studio Intro of Choice (2050, 2210, 2410, 2505, 2510, 2540, 2710, 2810, 2910, 3820)	3			Elective	3		
Social Behavioral Science	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
COMM 2025 OR PC 2500	3			Studio Elective	1		
TOTAL	15			TOTAL	13		

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list(located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall.

ART 3130 Art Since 1900 is only offered in spring.

ART 3099 Professional Practices is only offered in fall.

CHANGES:

ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice spring of junior year and fall of senior year.

Change (1 cr.) Studio elective in spring of senior year to (1 cr.) "elective".

Effective: fall 2025

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours. Curriculum map attached.

vii. Bachelor of Fine Arts, wood

1. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring of junior year.
2. CHANGE Studio Art Elective (1 cr.) in spring of junior year to Elective (1 cr.)

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Wood

Academic Advisor: Tenika Burgess or Bill DeJournett
Faculty Advisor: Stephan Micheletto-Blouin, smicheletto@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
ART 1320-Creative Studio	3			ART 1045-Drawing I	3		
Approved Gen. Ed Math	3			ART 2910-Intro to Wood	3		
Approved Gen Ed Humanities/Fine Arts (Choose One) Art 2000 Survey I or ART 1035: Intro to Art	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
Art 2330 Technical Drawing	3			ART 3911- Wood Studio I	3		
ART 3910- Wood Studio I	3			ART 1250-Intro to Digital Imaging	3		
ART 2020-Art History Survey II *only offered in fall*	3			ENGL 2130, 2235, OR 2330	3		
HIST 2010-Early United States History	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3920- Wood Studio II	3			ART 3921- Wood Studio II	3		
ART 3930, 4940, (3920 or 3921) Ind. Study or Special Problems	3			ART 3940- Woodturning(Spring Only)	3		
Studio Intro of choice (2050, 2210, 2410, 2505, 2510, 2610, 2710, 2810 or 3820)	3			Studio Intro of choice (2050, 2210, 2410, 2505, 2510, 2610, 2710, 2810 or 3820)	3		
ART History Elective	3			HIST 2020-Modern United States History	3		
ART 3099-Professional Practices *only offered in fall*	3			COMM 2025 OR PC 2500	3		
				ART-Studio Elective	1		
TOTAL	15			TOTAL	16		

SENIOR YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4911-Senior Thesis in Wood I**	3			ART 4913-Senior Thesis in Wood III**	3		
ART 4912-Senior Thesis in Wood II**	3			ART 4914-Senior Thesis in Wood IV**	3		
Social Behavioral Science	3			Elective	3		
Elective	3			Humanities/Fine Arts Elective(Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
Art History Elective	3						
TOTAL	15			TOTAL	12		

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list(located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall.

ART 3130 Art Since 1900 is only offered in spring.

ART 3099 Professional Practices is only offered in fall.

CHANGE:

ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring of junior year.

CHANGE Art studio elective (1cr.) in spring of junior year to elective (1cr.)

Effective: fall 2025

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours. Curriculum map attached.

viii. Bachelor of Fine Arts, painting

1. ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring junior year.
2. CHANGE FROM ART Studio Electives (4 credits) TO ART Studio Electives (3 credits) fall of senior year.
3. ADD Elective (1 credit) to fall of senior year.

T#:
Current GPA:

Bachelor of Fine Arts
Concentration in Painting

Student email:

Academic Advisor: Ann Verble or Bill DeJournett
Faculty Advisor: Perry Johnson, PJohnson@tntech.edu

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			ART 1350-Foundation Studio II	3		
ART 1320-Creative Studio	3			ART 1045-Drawing I	3		
Approved Gen. Ed Math	3			ART 2410-Intro to Painting	3		
Humanities/Fine Arts Elective: Must be Art 2000 or Art 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1050-Drawing II	3			ART 1250-Intro to Digital Imaging	3		
ART 3410-Painting Studio II	3			ART 3420-Painting Studio III	3		
ART 2020-Art History Survey II *only offered in fall*	3			ART 3130-Art Since 1900 *only offered in spring*	3		
HIST 2010-Early United States History	3			COMM 2025 OR PC 2500	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR

1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 3421-Painting IV	3			ART 3431-Independent Study Painting	3		
Studio Intro of choice (2050, 2210, 2505, 2510, 2610, 2710, 2810, 2910 or 3820)	3			Studio Intro of choice (2050, 2210, 2505, 2510, 2540, 2610, 2710, 2810, 2910, or 3820)	3		
ART 3320, 4310, OR 4311-Drawing Elective	3			ART History Elective	3		
ART History Elective	3			HIST 2020-Modern United States History	3		
ART 3099-Professional Practices *only offered in fall*	3			Elective	3		
TOTAL	15			TOTAL	15		

SENIOR YEAR

1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4411-Senior Thesis in Painting I**	3			ART 4413-Senior Thesis in Painting III **	3		
ART 4412-Senior Thesis in Painting II**	3			ART 4414-Senior Thesis in Painting IV**	3		
Elective	1			Elective	3		
ART Studio Elective ART Studio Elective	4 3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
Social Behavioral Science	3						
ENGL 2130, 2235, OR 2330	3			TOTAL	12		
TOTAL	16						

**Student will need to also meet regularly with their Faculty Advisor to ensure they are prepared to begin Senior Thesis

Courses taken for General Education requirements must be from the approved list (located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in Fall.

ART 3130 Art Since 1900 is only offered in spring.

ART 3099 Professional Practices is only offered in fall.

CHANGES:

ADD ART 2505: Introduction to Ceramics to list of studio-intro of choice fall and spring junior year.

CHANGE FROM ART Studio Electives (4 credits) TO ART Studio Electives (3 credits) fall of senior year.

ADD Elective (1 credit) to fall of senior year.

Effective: fall 2025

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours.

ix. Bachelor of Fine Arts, dual-focus

1. ADD ART 2505: Introduction to list of Studio Concentration I course options in spring of Freshman year.
2. ADD ART 2505: Introduction to list of Studio Concentration II course options in fall of Sophomore year.
3. CHANGE: FROM Art Studio (1 cr.) TO Elective (1 cr.) spring of senior year.

T#:

Current GPA:

Bachelor of Fine Arts
Dual Focus Concentration

Student email:

AcademicAdvisor: averble@tntech.edu,
wdejournett@tntech.edu
Faculty Advisor:

FRESHMAN YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ENGL 1010 English Composition I (Minimum grade of C must be earned)	3			ENGL 1020 English Composition II (Minimum grade of C must be earned)	3		
ART 1340- Foundation Studio I	3			CREATIVE STUDIO	3		
ART 1250-Intro to Digital Imaging	3			ART 1045-Drawing I	3		
Approved Gen. Ed Math	3			Intro Studio Concentration I (ART 2050, 2210, 2410, 2505, 2510, 2540, 2610, 2710, 2810, 2910 or 3820)	3		
Humanities/Fine Arts Elective: ART 2000 or ART 1035	3			Approved Gen Ed Social Behavior Science (Choose One) AGBE 2010, ANTH 1100, ECON 2010, ECON 2020, ESS 1100, EXPW 2015, GEOG 1130, GEOG 1012, POLS 1030, PSY 1030, SOC 1010, WGS 2010	3		
TOTAL	15			TOTAL	15		

*A grade of C or better must be earned for all Art courses to be accepted.

SOPHOMORE YEAR							
1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 1350-Foundation Studio II	3			ART 1050-Drawing II OR ART 2330-Technical Drawing (Fall Only) OR ART 2340-CAD for the Artist	3		
Intro Studio Concentration 2 (ART 2050, 2210, 2410, 2505, 2510, 2540, 2610, 2710, 2810, 2910, or 3820)	3			ART Studio Concentration Core 1 (3000/4000 level course)*	3		
ART Studio Concentration Core 1 (3000/4000 level course)*	3			ART Studio Concentration Core 2 (3000/4000 level course)*	3		
ART 2020-Art History Survey II *only offered in Fall*	3			ART 3130-Art Since 1900 *only offered in spring*	3		
Natural Science Elective	4			Natural Science Elective	4		
TOTAL	16			TOTAL	16		

JUNIOR YEAR

1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART Studio Concentration Core 1 (3000/4000 level course)*	3			ART Studio Concentration Core 1 (3000/4000 level course)*	3		
ART Studio Concentration Core 2 (3000/4000 level course)*	3			ART Studio Concentration Core 2 (3000/4000 level course)*	3		
ART 3099-Professional Practices *only offered in fall*	3			ART Studio Concentration Core 2 (3000/4000 level course)*	3		
HIST 2010-Early United States History	3			ART History Elective	3		
ART History Elective OR Guided Elective	3			HIST 2020-Modern United States History	3		
TOTAL	15			TOTAL	15		

SENIOR YEAR

1 st Semester				2 nd Semester			
Course	Hrs.	Gr.	Sub Filed	Course	Hrs.	Gr.	Sub Filed
ART 4111- Dual Studio Senior Thesis I**	3			ART 4113- Dual Studio Senior Thesis III **	3		
ART 4112- Dual Studio Senior Thesis II**	3			ART 4114- Dual Studio Senior Thesis IV**	3		
ENGL 2130, 2235, OR 2330	3			COMM 2025 OR PC 2500	3		
Social Behavioral Science	3			Approved Gen Ed Humanities/Fine Arts (Choose One) THEA 1030, MUS 1030, FREN 2510, GERM 2520, HIST 2210, HIST 2220, HIST 2310, HIST 2320, HIST 1310, PHIL 1030, SPAN 2510, SPAN 2550, RELS 2010, FLST 2520	3		
ART Studio OR Guided Elective	3			Art Studio Elective	1		
TOTAL	15			TOTAL	13		

*Students should expect to take at least one intermediate and one advanced course from each studio concentration. Courses accepted are listed below. Art Education cannot be used as dual studios for this concentration.

**Student will need to also meet regularly with both their Faculty Advisors in their dual studio concentrations to ensure they are prepared to begin Senior Thesis. A professor from each of the student's two studio concentration areas will be course co-instructors and co-chairs of the dual studio senior thesis committee.

Courses taken for General Education requirements must be from the approved list(located in the catalog). If you are unsure, please check with the current catalog or your advisor to make sure you are taking the correct classes.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

ART 2020 Art History Survey II is only offered in fall. ART 3130 Art Since 1900 is only offered in spring.
ART 3099 Professional Practices is only offered in fall.

*A grade of C or better must be earned for all Art courses to be accepted.

Approved courses for Concentration Core 1 and 2:

Student will choose four studio courses from Concentration Core 1 and four studio courses from Concentration Core 2. Prerequisites must be met before students can take Advanced courses.

***Art Education majors are NOT eligible for the Dual Studio Concentration**

Clay: ART 3511-Intermediate Handbuilding ART 3520-Advanced Clay Studio ART 3521-Advanced Clay Studio ART 3530-Independent Studies in Clay ART 3540-Intermediate Wheel-throwing ART 3531-Independent Studies in Clay	Fibers: ART 3610 Weaving I ART 3611-Weaving II ART 3620- Surface Design I ART 3621-Surface Design II ART 3630-Independent Study in Fibers ART 3631-Independent Study in Fibers ART 3640-3-D Structures I ART 3641-3-D Structures II ART 3650-Fiber Art Studio I ART 3651- Fiber Art Studio II
Glass: ART 3710- Int. Glass Studio ART 3711- Int. Glass Studio ART 3720- Adv. Glass Studio ART 3721- Adv. Glass Studio ART 3730-Independent Study in Glass ART 3731-Independent Study in Glass ART 3740 -Warm Glass ART 3750- Production Glass ART 4740-Special Problems in Glass	Metals: ART 3810- Metalsmithing ART 3811-Metalsmithing ART 3820-Blacksmithing ART 3821-Blacksmithing ART 3830-Independent Studies in Metal ART 3831-Independent Studies in Metal ART 4840-Special Problems Metals
Painting: ART 3410-Painting Studio II ART 3420-Painting Studio III ART 3421-Painting IV ART 3430-Independent Study Painting I ART 3431-Independent Study Painting II ART 3310-Drawing III ART 3320-Figure Studies ART 4310-Independent Studies in Drawing I ART 4311-Independent Studies in Drawing II	Wood: ART 3910- Wood Studio I ART 3911- Wood Studio I ART 3920- Wood Studio II ART 3921- Wood Studio II ART 3930-Independent Studies in Wood ART 3931-Independent Studies in Wood ART 3940- Woodturning(<i>Spring Only</i>) ART 4940-Special Problems in Wood
Design: ART 3210 Design Studio I ART 3220-Design Studio II ART 3230-Design Studio III ART 3240- Illustration/Visual Narrative Art 2220- Typography, Text, Image ART 4211-Design Practicum ART 4221-Design Internship	

*A grade of C or better must be earned for all Art courses to be accepted.

NOTE: The Art History credits (Survey I or II) cannot count for both Art History electives and general education HUFA requirements.

Students must complete either Art 2000 (Survey I) or Art 1035 (Intro to Art) as part of their required 9 credit hours of general education HUFA.

CHANGES:

ADD ART 2505: Introduction to list of Studio Concentration I course options in spring of Freshman year

ADD ART 2505: Introduction to list of Studio Concentration II course options in fall of Sophomore year

CHANGE: FROM Art Studio (1 cr.) TO Elective (1 cr.)

Effective: fall 2025

Financial impact: None.

Justification: to provide curricular flexibility and reduce independent study hours. Curriculum map attached.

- x. Art Studio Minor.
 - 1. ADD ART 2505: Introduction to Clay
 - 2. CHANGE: ART 2510 FROM Introduction to Clay
TO Introduction to Handbuilding
 - 3. ADD ART 2540 Introduction to Wheelthrowing

Effective date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

10. English

- a. Curriculum Changes: change the description below included in the Foreign Language Requirement section in the curricula for the following concentrations in the English major:
 - i. Literature,
 - ii. Creative Writing,
 - iii. Rhetoric and Language,
 - iv. Professional and Technical Communication
- b. FROM:
Complete the 2010/2020 sequence in French, German, or Spanish:
FREN 1010 and FREN 1020 or
GERM 1010 and GERM 1020 or
SPAN 1010 and SPAN 1020
FREN 2010 and FREN 2020 or
GERM 2010 and GERM 2020 or
SPAN 2010 and SPAN 2020

Also complete six (6) credits of upper-level (3000-4000 level) electives-excluding Country and People and the Global Studies courses.

Note: English majors meet the foreign language requirement by making a C or better in a foreign language course at the 2020 level or higher excluding Country and People courses and the Global Studies courses.

TO:

Complete through the 2010/2020 sequence in French, German, or Spanish:
FREN 1010 and FREN 1020 or
GERM 1010 and GERM 1020 or
SPAN 1010 and SPAN 1020
FREN 2010 and FREN 2020 or
GERM 2010 and GERM 2020 or
SPAN 2010 and SPAN 2020

Note: English majors meet the foreign language requirement by making a C or better in a foreign language course at the 2020 level or higher excluding Country and People courses and the Global Studies courses.

Additional elective hours may be required if students do not take FREN/GERM/SPAN 1010, 1020. These electives do not have to be foreign language courses.

JUSTIFICATION: The statement that six additional hours of upper-level foreign language courses were required is an error. The foreign language requirement for English majors changed in 2018 so that the six additional hours of foreign language are no longer required.

Effective Date: Fall 2025

Financial Impact: None

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

11. Earth Sciences

a. New Course

i. GEOL 1090 Concepts of Geology: Lecture 3, Lab 2, Credit 4.

Course Description: Introduction to the geosciences: planetary geology, minerals and rocks, geologic processes, surface and groundwater, earthquakes, geologic structures, geologic time, plate tectonics, weather and climate, mineral and energy resources. This course will not count as part of a geology sequence. Credit will not be given for both GEOL 1090 and GEOL 1040 or GEOL 3210.

In consultation with the Department of Curriculum and Instruction, the Department of Earth Sciences proposes to create a new 4-credit course to replace the existing 3-credit GEOL 1070 Concepts of Geology course. The new course will be nearly identical to the existing course, but with the added 1 hour of lecture a week, additional content and activities will be included (see syllabus). We also propose that GEOL 1090 replace GEOL 1070 on the list of general education courses for the Natural Sciences.

JUSTIFICATION: This class is typically taught as a lecture and lab, and the content is thus comparable to other 4-credit geoscience lectures and labs, like GEOL 1040. With many College of Education students transferring in and taking/transferring 4-credit courses, this change would make advising and following CPOS guidelines much easier.

EFFECTIVE DATE: Fall 2025

FINANCIAL IMP ACT: None

b. Course Deletions

- i. GEOL 2000 Earth Evolution/ Life History: Lecture 3, Credit 3.
- ii. GEOL 2010 Topical Minicourse in Geology: Lecture 1, Credit 1.
- iii. GEOL 2500 Geologic Fundamentals: Lecture 2, Lab 2, Credit 3.
- iv. GEOL 3010 Dinosaurs: Lecture 3, Credit 3.
- v. GEOL 3110 Prin/Minrlgy-Petrlogy: Lecture 2, Lab 4, Credit 4.
- vi. GEOL 4040 Summer Field Geology: Lecture 9, Credit 4.
- vii. GEOL 4100 Environmental Sedimentology: Lecture 2, Lab 4, Credit 4.
- viii. GEOL 4610 Optical Mineral & Petrography: Lecture 2, Lab 4, Credit 4.
- ix. GEOL 4650 Applied Geochemistry: Lecture 3, Credit 3.
- x. GEOG 1100 Global Climate Change: Lecture 3, Credit 3.
- xi. GEOG 1110 World Geography: Lecture 3, Credit 3.
- xii. GEOG 3010 Geography of the US: Lecture 3, Credit 3.

Justification: As part of the 2024-2025 Earth Sciences 5-year Self Study, our faculty reviewed TTU catalog listings and identified courses that are no longer offered. Removing outdated courses will improve communication between faculty, students, and advisors. Some outdated courses were replaced by newer classes (e.g. GEOL 2500 was replaced with GEOL 2600), some courses were specialized topics taught by faculty who are now retired, and some courses were offered to support older curriculums in other disciplines (e.g. GEOL 2010 was offered many years ago to College of Business students and is no longer needed).

None of the proposed deletions are listed as required or directed electives for degree programs.

Effective Date: Fall 2025

Financial Impact: None

c. Course Changes

- i. GEOL 3120 - Mineralogy
Lec. 3. Lab. 2. Credit. 4.
Prerequisites: GEOL 1040. Geometrical crystallography; determination of silicate and non-silicate minerals by physical properties, chemical tests, and X-ray diffraction.

TO:
GEOL 3120 - Mineralogy
Lec. 3. Lab. 2. Credit. 4.
Prerequisites: GEOL 1040 or GEOL 3210. Geometrical crystallography; determination of silicate and non-silicate minerals by physical properties, chemical tests, and X-ray diffraction.
- ii. FROM:
GEOL 4110- Sedimentation & Stratigraphy
Lec. 3. Lab. 2. Credit. 4.

Prerequisites: GEOL 1040. Fundamental depositional processes, sedimentary structures, and facies models of siliciclastic and carbonate sedimentary rocks. Basic stratigraphy concepts, methods of correlation, and introduction to sequence stratigraphy.

TO:

GEOL 4110 - Sedimentation & Stratigraphy

Lec. 3. Lab. 2. Credit. 4.

Prerequisites: GEOL 1040 or GEOL 3210. Fundamental depositional processes, sedimentary structures, and facies models of siliciclastic and carbonate sedimentary rocks. Basic stratigraphy concepts, methods of correlation, and introduction to sequence stratigraphy.

iii. FROM:

GEOL 4120-Igneous/Metamorphic Petrology

Lec. 3. Lab 2. Credit. 4.

Prerequisite: GEOL 1040. Igneous and metamorphic rocks; classification, textures, and identification. Geochemical thermodynamics. Origins of these rocks in different tectonic settings.

TO:

GEOL 4120-Igneous/Metamorphic Petrology

Lec. 3. Lab 2. Credit. 4.

Prerequisite: GEOL 1040 or GEOL 3210. Igneous and metamorphic rocks; classification, textures, and identification. Geochemical thermodynamics. Origins of these rocks in different tectonic settings.

iv. FROM:

GEOL 4150 - Geomorphology

Lec. 2. Lab. 4. Credit. 4.

Prerequisite: GEOL 1040. Analysis of landforms and processes that shape them.

TO:

GEOL 4150-Geomorphology

Lec. 2. Lab. 4. Credit. 4.

Prerequisite: GEOL 1040 or GEOL 3210. Analysis of landforms and processes that shape them.

v. FROM:

GEOL 4210-Advanced Historical Geology

Lec. 3. Credit. 3.

Prerequisite: GEOL 1040. Advanced treatment of the Earth's history concentrating on plate tectonics, evolution of the biosphere, and chemical changes from the Hadean to the Holocene.

TO:

GEOL 4210 -Advanced Historical Geology

Lec. 3. Credit. 3.

Prerequisite: GEOL 1040 or GEOL 3210. Advanced treatment of the Earth's history concentrating on plate tectonics, evolution of the biosphere, and chemical changes from the Hadean to the Holocene.

vi. FROM:

GEOL 4300-Environmental Aqueous Geochemistry

Lec. 3. Credit. 3.

Prerequisite: GEOL 1040, CHEM 1010 or CHEM 1110, or consent of instructor.

Principles of water quality, chemical thermodynamics and equilibrium; chemical reactions; modeling of aquatic systems and a survey of practical applications of equilibrium aqueous geochemistry.

TO:

GEOL 4300-Environmental Aqueous Geochemistry

Lec. 3. Credit. 3.

Prerequisite: GEOL 1040 or GEOL 3210, CHEM 1010 or CHEM 1110, or consent of instructor. Principles of water quality, chemical thermodynamics and equilibrium; chemical reactions; modeling of aquatic systems and a survey of practical applications of equilibrium aqueous geochemistry.

Justification: the Department of Earth Sciences, recently revised their "GEOL Electives" for the BSCE, Geological Engineering concentration. In order to allow students to register for these courses without the need for a permit, the prerequisite of GEOL 3210 (Geology for Engineers) needs to be added to respective courses.

Effective Date: Fall 2025

Financial Impact: None

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

12. History

a. New Courses

- i. The History Department seeks to add to the curriculum two new courses, HIST 4354/5354 (Female Bodies in Western Culture) and HIST 4770/5770 (History of India and South Asia). Both of these courses have been offered very successfully in the past as Topics courses for at least two semesters each. If approved, the History Department will request the creation of the 5000-level counterpart.

1. HIST 4354/5354 Female Bodies in Western Culture

Catalogue Description: Lec. 3 Credit 3. Considers the perception, manipulation, suppression,

and symbolism of the female body in Europe, from antiquity to modernity. Prerequisite: None.

2. HIST 4770/5770 History of India and South Asia
Catalogue Description: Lec. 3 Credit 3. A history of India from the Mughal Empire to modern day India, including contextual study in South Asian history including Pakistan, Sri Lanka, and Bangladesh.
Prerequisite: None.

Justification: Having offered both of these courses successfully in the past under our "Topics" category, the History faculty believe that it is appropriate to move them from the Topics category and place them in the catalog as full courses in their own right. As Topics courses, these courses are not named or described in the catalog. Adding these courses to the curriculum would allow the robust nature of the department's offerings to be more evident to potential students and the public. Additionally, it will be easier for students and the Records Office to identify where these courses may be applied to the B.A. and B.S. programs for credit.

Financial Impact: None.

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

13. Chemical Engineering

a. New Concentration

The Department of Chemical Engineering requests approval for a new concentration in Chemical Process Manufacturing (CPM). Included with this request is a degree map for the new concentration as well as a side-by-side comparison of all concentrations in the department and a completed "Establishment of a Concentration within an Academic Program (THEC) "Academic Actions Notification Checklist."

Justification: Admissions data for Chemical Engineering at Tennessee Tech is trending towards students declaring a concentration in the major, a kind of descriptor of a pathway that will lead to a specialized career focus, a specific aim for jobs. At one time there was a general sense that Chemical Engineering students found jobs in oil and gas or academia. Now the degree preparation has led alumni to many workforce directions, including as seemingly far afield as a medical doctor, finance, water treatment, environmental engineering, nuclear safety, composite processing, and the list goes on. The flexibility of the degree is a benefit combating career plateaus long term, but also an impediment to enrollment if freshmen and their parents are looking for clear guidance to aim efficiently toward particular entry level, high-pay job areas. Thus, the Chemical Engineering Department must define and communicate career pathways that the

degree feeds, one of which is chemical process manufacturing. Preparation for chemical process manufacturing requires certain skill sets which this concentration will prepare students for career success in, including new curricula covering modern issues such as cybersecurity, remote process control, blockchain, etc. The Department has for several years successfully offered electives covering Industry 4.0 and Agile Manufacturing. The Department now proposes a concentration in Chemical Process Manufacturing, CPM, for Chemical Engineers. This new concentration will complement the two other concentrations offered, presently Energy and the Environment and Biomolecular, in addition to the regular BS in Chemical Engineering.



College of Engineering

TENNESSEE TECH

Degree Map

CATALOG YEAR: 2025-2026

Degree: BSChE

MAJOR: Chemical Engineering

CONCENTRATION: Chemical Process Manufacturing (CPM)

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall	Total Credit Hours: 14	Semester: Spring	Total Credit Hours: 15
CHE 1010 Intro to Chemical Engineering	1	CHE 1020 CHE Processes, Products, & Ethics	1
ENGR 1120 Programming ¹	2	MATH 1920 Calculus II	4
MATH 1910 Calculus I	4	Social/Behavioral Science Elective	3
CHEM 1110 General Chemistry I	4	CHEM 1120 General Chemistry II	4
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall	Total Credit Hours: 16	Semester: Spring	Total Credit Hours: 17
CHE 2015 Intro to Chem/Bio An-Sci I	3	CHE 2020 Intro to Chem/Bio An-Sci II	3
XXX xxxx: CPM Elective ²	3	CHE 3735 ChE Operations	2
MATH 2110 Calculus III	4	PHYS 2119 Physics II	3
PHYS 2109 Physics I	3	MATH 2120 Differential Equations	3
ENGL 2130, 2235, or 2330 Lit.	3	COMM 2025 or PC 2500 Communication	3
		Social/Behavioral Science Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR²			
Semester: Fall	Total Credit Hours: 17	Semester: Spring	Total Credit Hours: 18
CHE 3010 Thermo of ChE Processes	3	CHE 3510 Sep and Sol Thermo	3
CHE 3050 TS1: Cond, Radiation, Diff	3	CHE 3511 Sep and Sol Thermo Lab	1
CHE 3051 TS1: Cond, Radiation, Diff Lab	1	CHE 3550 TS2: Fluid Mechanics	3
CHEM 3010 Organic Chemistry I	4	CHE 3551 TS2: Fluid Mechanics Lab	1
CHE 3340 Industry 4.0	3	CHEM 3020 Organic Chemistry II	4
Humanities/Fine Arts Elective	3	CHE 4400 Engineering Safety	3
		Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall	Total Credit Hours: 15	Semester: Spring	Total Credit Hours: 17
CHE 4050 TS3: Diff and Mass Transfer	3	CHE 4250 ChE Capstone Lab	2
CHE 4051 TS3: Diff and Mass Transfer Lab	1	CHE 4420 Process Design II	3
CHE 4060 ChE Reaction Engineering	3	CHE 4540 Process Dynamics and Control	3
CHE 4061 ChE Reaction Engineering Lab	1	XXX xxxx: CPM Elective ²	3
CHE 4410 Process Design I	3	MET 4650: Lean Six Sigma	3
CHEM 3510 Physical Chemistry I	4	CHE 4560: Agile Manufacturing	3

Notes:

1. ENGR 1120 must be MATLAB.
2. Students must apply to the ChE Fast-Track MS program by the end of their second junior term.
3. Two courses related to CPM must be from the following list: **CHEM 3410 – Quantitative Analysis (4) | CHE 3745 – Innovation in Energy (3) | CHEM 4210 – Chemistry of Polymers (3) | CHE 4330 – Polymer Engineering (3) | CHE 4340 – Introduction to Rheology (3) | CHEM 4520 – Instrumental Analysis (4) | CHE 4990 – Intro to Research (Credit 1 to 3 per semester. Maximum 12 credits.)**
 - a. A Minor in Chemistry can be earned by completing both of the courses in bold in addition to other courses in the program. Please consult with advisor for details.

BS in Chemical Engineering			BS in Chemical Engineering			BS in Chemical Engineering			BS in Chemical Engineering		
Name of the Concentration: N/A			Name of the Concentration: BioMolecular			Name of the Concentration: Energy and the Environment			Name of the Concentration: Chemical Process Manufacturing		
Rubric	Title	SCH	Rubric	Title	SCH	Rubric	Title	SCH	Rubric	Title	SCH
General Education			General Education			General Education			General Education		
36			35			35			35		
Humanities/Fine Arts Gen Ed	6		Humanities/Fine Arts Gen Ed	6		Humanities/Fine Arts Gen Ed	6		Humanities/Fine Arts Gen Ed	6	
Social/Behavioral Science Gen Ed	6		Social/Behavioral Science Gen Ed	6		Social/Behavioral Science Gen Ed	6		Social/Behavioral Science Gen Ed	6	
ENGL 1010	3		ENGL 1010	3		ENGL 1010	3		ENGL 1010	3	
ENGL 1020	3		ENGL 1020	3		ENGL 1020	3		ENGL 1020	3	
ENGL 2130, 2235, or 2330	3		ENGL 2130, 2235, or 2330	3		ENGL 2130, 2235, or 2330	3		ENGL 2130, 2235, or 2330	3	
COMM 2025 or PC 2500	3		COMM 2025 or PC 2500	3		COMM 2025 or PC 2500	3		COMM 2025 or PC 2500	3	
MATH 1910	4		MATH 1910	4		MATH 1910	4		MATH 1910	4	
CHEM 1110	4		CHEM 1110	4		CHEM 1110	4		CHEM 1110	4	
PHYS 2110	4		PHYS 2109	3		PHYS 2109	3		PHYS 2109	3	
Major Core (Required)			Major Core (Required)			Major Core (Required)			Major Core (Required)		
77			76			76			76		
CHE 1010	1		CHE 1010	1		CHE 1010	1		CHE 1010	1	
CHE 1020	1		CHE 1020	1		CHE 1020	1		CHE 1020	1	
CHE 2015	3		CHE 2015	3		CHE 2015	3		CHE 2015	3	
CHE 2020	3		CHE 2020	3		CHE 2020	3		CHE 2020	3	
CHE 3010	3		CHE 3010	3		CHE 3010	3		CHE 3010	3	
CHE 3050	3		CHE 3050	3		CHE 3050	3		CHE 3050	3	
CHE 3051	1		CHE 3051	1		CHE 3051	1		CHE 3051	1	
CHE 3510	3		CHE 3510	3		CHE 3510	3		CHE 3510	3	
CHE 3511	1		CHE 3511	1		CHE 3511	1		CHE 3511	1	
CHE 3550	3		CHE 3550	3		CHE 3550	3		CHE 3550	3	
CHE 3551	1		CHE 3551	1		CHE 3551	1		CHE 3551	1	
CHE 3735	2		CHE 3735	2		CHE 3735	2		CHE 3735	2	
CHE 4050	3		CHE 4050	3		CHE 4050	3		CHE 4050	3	
CHE 4051	1		CHE 4051	1		CHE 4051	1		CHE 4051	1	
CHE 4060	3		CHE 4060	3		CHE 4060	3		CHE 4060	3	
CHE 4061	1		CHE 4061	1		CHE 4061	1		CHE 4061	1	
CHE 4250	2		CHE 4250	2		CHE 4250	2		CHE 4250	2	
CHE 4410	3		CHE 4410	3		CHE 4410	3		CHE 4410	3	
CHE 4420	3		CHE 4420	3		CHE 4420	3		CHE 4420	3	
CHE 4540	3		CHE 4540	3		CHE 4540	3		CHE 4540	3	
CHEM 1120	4		CHEM 1120	4		CHEM 1120	4		CHEM 1120	4	
CHEM 3010	4		CHEM 3010	4		CHEM 3010	4		CHEM 3010	4	
CHEM 3020	4		CHEM 3020	4		CHEM 3020	4		CHEM 3020	4	
CHEM 3510	4		CHEM 3510	4		CHEM 3510	4		CHEM 3510	4	
ENGR 1120	2		ENGR 1120	2		ENGR 1120	2		ENGR 1120	2	
MATH 1920	4		MATH 1920	4		MATH 1920	4		MATH 1920	4	
MATH 2110	4		MATH 2110	4		MATH 2110	4		MATH 2110	4	
MATH 2120	3		MATH 2120	3		MATH 2120	3		MATH 2120	3	
PHYS 2120	4		PHYS 2119	3		PHYS 2119	3		PHYS 2119	3	
Other (Non-Concentration Option)			Concentration			Concentration			Concentration		
16			18			18			18		
XXX xxx Tech Elective	3		BIOL 1113	4		CHE 3745	3		CHE 3340	3	
XXX xxx Tech Elective	3		BIOL 3200 or 3230	4		CHE 4335	3		CPM elective	1	
CHE 4xxx ChE Tech Elective	3		CHE 3140	4		CHE 4550	3		CHE 4400	3	
CHE 4xxx ChE Tech Elective	3		CHEM 4610	3		CHE 4552	3		CHE 4560	3	
CHEM 3520	4		CHE 4661	3		ESS 1100	3		CPM elective	1	
						ENEV elective	3		MET 4650	3	
Electives			Electives			Electives			Electives		
0			0			0			0		
Total			Total			Total			Total		
129			129			129			129		

Financial Impact: none

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

14. Counseling and Psychology

a. New Courses

- i. 1. PSY 3060- Introduction to Neuroscience
Lec 3. Credit 3.
An introduction to the field of neuroscience.
JUSTIFICATION: Add more elective offerings for undergraduate program.
- ii. PSY 3111- Research Methods
Lec 3. Credit 3.
Methods and techniques of research in general experimental psychology.
Emphasis on design, data collection, analysis, and report writing.
Prerequisite: Minimum grade of C in PSY 3010.
JUSTIFICATION: Replacing PSY 3110 (4 cr.) with PSY 3111 (3 cr.) in curriculum.
Extra credit hour will be added to general electives.
- iii. PSY 4120 (PSY5120)- Sensation and Perception
Lec 3. Credit 3.
An introduction to the field of sensation and perception.
JUSTIFICATION: Add more elective offerings for undergraduate program.
- iv. PSY 4950- Research Assistant Experience
Credit 3.
Hands-on research opportunity under supervision of a faculty member.
- Psychology majors only.
JUSTIFICATION: Add more elective offerings for undergraduate program.
- v. PSY 4960- Teaching Assistant Experience
Credit 3.
Assisting faculty members with instructional responsibilities.
- Psychology majors only.
JUSTIFICATION: Add more elective offerings for undergraduate program.
- vi. PSY 4990- Senior Applied Experience
Credit 3.
The Senior Applied Experience course allows students to apply their academic knowledge, skills, and methodologies in psychology through real-world experiences and projects within professional settings. It emphasizes problem-solving, collaboration with industry professionals, and adapting theoretical learning to practical scenarios. Prerequisites: Minimum grade of C in PSY 3111, psychology majors only, senior standing, and consent of instructor.
JUSTIFICATION: Adding PSY 4990 as an option for capstone experience in the undergraduate curriculum.
- vii. PSY 4995- Senior Lab Experience
Credit 3.
This advanced course offers psychology majors hands-on experience in the research process, covering everything from idea generation to communicating findings. Students will engage in activities such as literature reviews, hypothesis development, research design and implementation, and data analysis, with a focus on critical thinking and ethical considerations.

Prerequisites: Minimum grade of C in PSY 3111, psychology majors only, senior standing, and consent of instructor.

JUSTIFICATION: Adding PSY 4995 as an option for capstone experience in the undergraduate curriculum.

b. Course Deletions

- i. PSY 3000- Problem solving
Lec 3. Credit 3.
Introduction to concepts and methods used in problem-solving
- ii. PSY 3110- Experimental Psychology
Lec 3. Lab 2. Credit 4.
Prerequisite: Minimum grade of C in PSY 3010. Methods and techniques of research in general experimental psychology. Emphasis on design, data collection, analysis, and report writing.
- iii. PSY 3120- Sensation and Perception
Lec 2. Lab 2. Credit 3.
Introduction to fundamental principles in the study of sensory processes, perception and psychophysics.
- iv. PSY 3140- Experimental Social Psy
Lec 2. Lab 2. Credit 3.
Prerequisite: PSY 3110 or consent of instructor. Experimental testing of theories and models, experimental social designs and problems, and assigned and original laboratory projects.
- v. PSY 3150- Cognitive Psychology
Lec 2. Lab 2. Credit 3.
Prerequisite: PSY 2010. Experimental methods used in the study of memory, thinking and cognition.
- vi. PSY 3160- Applied Research Methods
Lec 2. Lab 2. Credit 3.
Prerequisite: PSY 3010. Examination of methods used to research psychological questions of an applied nature in specialties such as industrial, health, consumer and community psychology. Topics include survey, evaluation, and quasi-experimental research methods.
- vii. PSY 4300 (5300)- Adult Psychology
Lec. 3. Credit 3.
Physical, cognitive, and psychological development in young adulthood, middle age, and old age.

JUSTIFICATION FOR COURSE DELETIONS: Catalog cleanup of courses replaced by new courses or no longer offered.

c. Course Changes

- i. From:
PSY 3010 Stats & Experimental Design
Lec. 2. Lab. 2. Credit 3.
Prerequisites: PSY 1030, 3 additional PSY credit hours, a grade of B or higher in MATH1130 or MATH1530; 45 hours of completed course work and be a psychology major. Corequisite: PSY 3020. Fundamental statistics for the

behavioral sciences, descriptive uses, probability, one-way, factorial designs, repeated measures and split-plot designs, bivariate correlation and regression, and non-parametric.

To:

PSY 3010 Stats & Experimental Design

Lec. 3. Credit 3. Prerequisites: PSY 1030, 3 additional PSY credit hours, a grade of B or higher in MATH 1530; 45 hours of completed course work and be a psychology major-: Fundamental statistics for the behavioral sciences, descriptive uses, probability, one-way, factorial designs, repeated measures and split-plot designs, bivariate correlation and regression, and non-parametric.

JUSTIFICATION: PSY 2010 was updated to PSY 1030.

ii. From:

PSY 3020- Info Literacy in Psychology

Lec 3. Credit 3.

Prerequisites: PSY 2010 and 3 additional PSY credits. The course emphasizes information literacy in reading, evaluating, and summarizing scientific literature in psychology. The course includes exposure to scientific writing (APA format) and basic research concepts and terminology in psychology.

To:

PSY 3020- Info Literacy in Psychology

Lec 3. Credit 3.

Prerequisites: PSY 1030 and 3 additional PSY credits. The course emphasizes information literacy in reading, evaluating, and summarizing scientific literature in psychology. The course includes exposure to scientific writing (APA format) and basic research concepts and terminology in psychology.

JUSTIFICATION: PSY 2010 was updated to PSY 1030.

iii. From:

PSY 4050 - Learning and Cognition

Lec 3. Credit 3.

Prerequisite: PSY 2010 and a grade of C or higher in PSY 3010. Theory, research and applications in human learning, and memory and cognitive processes.

To:

PSY 4050- Learning and Cognition

Lec 3. Credit 3.

Prerequisite: PSY 1030 and a grade of C or higher in PSY 3010. Theory, research and applications in human learning, and memory and cognitive processes.

Change: To correct prerequisite language. Correct prerequisite is PSY 1030 and grade of C or higher in PSY 3010.

JUSTIFICATION: PSY 2010 updated to PSY 1030.

iv. From:

PSY 4100- Child Psychology

Lec 3. Credit 3.

Prerequisite: PSY 2010 and PSY 2130. Hereditary and environmental influence on physical and psychological growth. Cognitive, affective and language development of infant and child with an emphasis on disorders and problems in development.

To:

PSY 4100- Child Psychology

Lec 3. Credit 3.

Prerequisite: PSY 1030 and PSY 2130. Hereditary and environmental influence on physical and psychological growth. Cognitive, affective and language development of infant and child with an emphasis on disorders and problems in development.

JUSTIFICATION: To correct prerequisite statement - PSY 2010 updated to PSY 1030.

v. From:

PSY 4130- Brain and Behavior

Lec 3. Credit 3.

Prerequisites: PSY 2010 and 3 additional PSY credits. Biological approach to understanding behavior. Students will focus on the anatomy and physiology of the nervous system in reference to behavior, perception, mental disorders, and drug action.

To:

PSY 4130- Brain and Behavior

Lec 3. Credit 3.

Prerequisites: PSY 1030 and 3 additional PSY credits. Biological approach to understanding behavior. Students will focus on the anatomy and physiology of the nervous system in reference to behavior, perception, mental disorders, and drug action.

JUSTIFICATION: To correct prerequisite because PSY 2010 updated to PSY 1030. Correct prerequisite of PSY 1030 and 3 additional PSY credits.

vi. From:

PSY 4140- Health Psychology

Lec 3. Credit 3.

Prerequisite: PSY 3110 or consent of instructor. Biopsychosocial approach to examining how stress, personality, and lifestyle are related to physical health. Students will experientially explore a variety of coping strategies and relaxation techniques geared toward self-assessment and understanding. Student enrolled in the 5000-level course will be required to complete additional work as stated in the syllabus.

To:

PSY 4140- Health Psychology

Lec 3. Credit 3.

Prerequisite: PSY 4150 or PSY 4160. Biopsychosocial approach to examining how stress, personality, and lifestyle are related to physical health. Students will experientially explore a variety of coping strategies and relaxation techniques geared toward self-assessment and understanding. Student enrolled in the 5000-level course will be required to complete additional work as stated in the syllabus.

JUSTIFICATION: PSY 3110 will be removed from the curriculum. PSY 4150 or PSY 4160 will be the new prerequisite for this course.

vii. From:

PSY 4160- Abnormal Psychology

Lec 3. Credit 3.

Prerequisites: PSY 2010 and 3 additional PSY credits. Nature of abnormal behavior, etiology, symptomatology and treatment.

To:

PSY 4160- Abnormal Psychology

Lec 3. Credit 3.

Prerequisites: PSY 1030 and 3 additional PSY credits. Nature of abnormal behavior, etiology, symptomatology and treatment.

JUSTIFICATION: To correct prerequisite, PSY 2010 was changed to PSY 1030.

viii. From:

PSY 4600 (5600)- Data Analytics in Psy

Lec 1. Lab 4. Credit 3.

Prerequisite: PSY 3010 and PSY 3110 with a B or better. Advanced topics in data analysis, graphing, and interpretation of psychological measures.

To:

PSY 4600 (5600)- Data Analytics in Psy

Lec 1. Lab 4. Credit 3.

Prerequisite: PSY 3010 3111 with a B or better. Advanced topics in data analysis, graphing, and interpretation of psychological measures.

JUSTIFICATION: PSY 3110 will be replaced with PSY 3111 in the curriculum so the prerequisite needs to be changed.

ix. From:

PSY 4930- Senior Thesis

Credit 3.

Prerequisite: Minimum grade of C in PSY 3010 and PSY 3110 and consent of instructor. Capstone experience that requires students to conduct an original research project, which ties together previously learned statistical methods,

research skills, and oral/written communication skills. Students complete all work through the presentation of the research proposal.

To:

PSY 4930- Senior Thesis Credit 3.

Prerequisite: Minimum grade of C in PSY 3010 and PSY 3111 and consent of instructor. Capstone experience that requires students to conduct an original research project, which ties together previously learned statistical methods, research skills, and oral/written communication skills. Students complete all work through the presentation of the research proposal.

JUSTIFICATION: PSY 3110 will be replaced with PSY 3111 in the curriculum so the prerequisite needs to be changed.

FINANCIAL IMPACT: None

Effective Date: Fall 2025

d. Curriculum Change – Psychology, B.S.

i. First Semester Freshman Year

From:

ENGL 1010- English Composition I (credit 3)

MATH 1530, or 1630, or 1710, or 1720, or 1730, or 1830, or 1910 (credit 3) BIOL

1010- Introduction to Biology or BIOL 1113, or BIOL 2010 (credit 4) PSY 1030-

Introduction to Psychology (credit 3)

Total credits: 13

To:

ENGL 1010- English Composition I (credit 3)

MATH 1530, or 1630, or 1710, or 1720, or 1730, or 1830, or 1910 (credit 3) BIOL

1010- Introduction to Biology or BIOL 1113, or BIOL 2010 (credit 4) PSY 1030-

Introduction to Psychology (credit 3)

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

Total credits: 16

Justification: After removing UNIV 1020 from first semester freshman year in spring 2021 we needed one more class to make the first two semesters of the program of study 16 hours to better facilitate student matriculation.

ii. First semester Sophomore Year

From:

HIST 2010-Early United States History (credit 3)

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

General Electives (credit 6)

Social/Behavioral Sciences (Gen Ed) (Credit 6)

Total credits: 15

To:

HIST 2010-Early United States History (credit 3)

General Electives (credit 6)

Social/Behavioral Sciences (Gen Ed) (Credit 6)

Total credits: 15

Justification: Moved Humanities/Fine Arts credit here to first semester freshman year to make semester credit total 16.

iii. First Semester Junior Year

From:

PSY 3010- Stats & Experimental Design (credit 3)

PSY 3020- Information Literacy in Psychology (credit 3)

PSY 4150- Psychology of Personality (credit 3) OR

PSY 4160- Abnormal Psychology (credit 3)

General Electives (credit 6)

Total credits: 15

To:

PSY 3010- Stats & Experimental Design (credit 3)

PSY 4150- Psychology of Personality (credit 3) OR

PSY 4160- Abnormal Psychology (credit 3)

General Electives (credit 6)

PSY Upper Division Elective (credit 3)

Total credits: 15

Justification: PSY 3020 will shift from a required course to an upper division elective in the Psychology B.S. Core.

iv. Second Semester Junior Year

From:

PSY 3110- Experimental Psychology (credit 4) PSY 4050- Learning and Cognition (credit 3) General Electives (credit 9)

Total credits: 16

To:

PSY 3110- Research Methods (credit 3)

PSY 4050- Learning and Cognition (credit 3) PSY Upper Division Elective (credit 3)

General Electives (credit 6)

Total credits: 15

Justification: Change title of PSY 3110 to Research Methods, remove associated lab, and change credit hours from 4 to 3 to align with new Psychology B.S. core requirements. Add 3 credit hours in PSY upper division electives and change general elective credits in this term from 9 to 6 to keep semester total at 15.

v. First Semester Senior Year

From:

PSY 4930- Senior Thesis (credit 3)

PSY Upper Division Electives (credit 6)

General Electives (credit 6)

Total credits: 15

To:

PSY 4995- Senior Lab Experience (credit 3) OR

PSY 4990- Senior Applied Experience (credit 3)

PSY Upper Division Electives (credit 6)

General Electives (credit 6)

Total credits: 15

Justification: PSY 4930 will shift from a required course to an upper division elective in the Psychology B.S. Core for those students who wish to follow the last two courses in the previous research strand in the major. PSY 4995 or PSY 4990 will be added to the Psychology B.S. core required courses.

vi. Second Semester Senior Year

From:

PSY 4130- Brain and Behavior (credit 3) PSY 4931- Senior Thesis (credit 3)

PSY Upper Division Electives (credit 6) General Electives (credit 3)

Total credits: 15

To:

PSY 4130- Brain and Behavior (credit 3) OR PSY 4400- Psychopharmacology (credit 3) OR PSY 4120- Sensation and Perception (credit 3) PSY Upper Division Electives (credit 6)

General Electives (credit 4)

Total Credits: 13

Justification: PSY 4931 will shift from a required course to an upper division elective in the Psychology B.S. Core for those students who wish to follow the last two courses in the previous research strand in the major. Change Psychology B.S. core requirement of PSY 4130 to a choice between PSY 4130, PSY 4400, or PSY 4120 to provide more course options to fill this requirement. Increase general elective credit by one hour to adjust for absence of former UNN 1020 course credit of 1.

Psychology, B.S.

Freshman Year			
Freshman Year First Semester	Cr. Hrs.	Freshman Year Second Semester	Cr. Hrs.
ENGL 1010-English Composition I	3	ENGL 1020-English Composition II	3
BIOL 1010 Introduction to Biology OR BIOL 1113- General Biology OR BIOL 2010- Human Anatomy & Physiology I	4	BIOL 1020- Diversity of Life OR BIOL 1123- General Biology II OR BIOL 2020- Human Anatomy & Physiology II	4
MATH 1530- Introductory to Statistics OR MATH 1630- Finite Mathematics OR MATH 1710- Pre-Calculus Algebra OR MATH 1720- Pre-calculus Trigonometry OR MATH 1730- Pre-Calculus Math OR MATH1830- Applied Calculus OR MATH 1910- Calculus I	3	COMM 2025-Fundamentals of Communication OR PC 2500-Communicating in the Professions	3
PSY 1030- Introduction to Psychology	3	PSY 2130- Life Span Development Psychology OR PSY 3300- Intro to Social Psychology	3
Humanities/Fine Arts Elective (Gen Ed)	3	Humanities/Fine Arts Elective (Gen Ed)	3
Total: 13 16		Total: 16	

Sophomore Year			
Sophomore Year First Semester	Cr. Hrs.	Sophomore Year Second Semester	Cr. Hrs.
HIST 2010-Early United States History	3	HIST 2020- Modern United States History	3
Humanities/Fine Arts Elective (Gen Ed)	3	ENGL 2130- Topics in American Literature OR	3
General Electives	6	ENGL 2235- Topics in British Literature OR	
Social/Behavioral Sciences (Gen Ed)	6	ENGL 2330- Topics in World Literature	9
		General Electives	
Total: 15		Total: 15	

Junior Year			
Junior Year First Semester	Cr. Hrs.	Junior Year Second Semester	Cr. Hrs.
PSY 3010- Stats & Experimental Design	3	PSY 3110- Experimental Psychology Research Methods	4 3
PSY 4150- Psychology of Personality OR	3	PSY 4050- Learning and Cognition	3
PSY 4160- Abnormal Psychology		General Electives	9 6
PSY Upper Division Elective	3	PSY Upper Division Elective	3
General Electives	6		
PSY 3020- Information Literacy in Psychology	3		
Total: 15		Total: 16 15	

Senior Year			
Senior Year First Semester	Cr. Hrs.	Senior Year Second Semester	Cr. Hrs.
PSY 4995- Senior Lab Experience OR	3	PSY 4130- Brain and Behavior OR	3
PSY 4990- Senior Applied Experience		PSY 4400- Psychopharmacology OR	
PSY 4930- Senior Thesis	3	PSY 4120- Sensation and Perception	3
PSY Upper Division Electives	6	PSY 4931- Senior Thesis	
General Electives	6	PSY Upper Division Electives	6
		General Electives	3, 4
Total: 15		Total: 15 13	

Degree: Bachelor of Science in Psychology (120 Hours)

Courses Required for Graduation

Psychology (42 Hours)

Course	Hours
1030 Intro to Psychology	3
3010 Statistics and Experimental Design	3
3110 Research Methods	3
3020 Information Literacy in Psychology	3
2130 Life Span Development Psychology or 3300 Introduction to Social Psychology	3
4050 Learning and Cognition	3
4130 Brain and Behavior or 4400 Psychopharmacology or 4120 Sensation and Perception	3
4150 Personality or 4160 Abnormal Psychology	3
4995 Senior Lab Experience or 4990 Senior Applied Experience	3
4930 Senior Thesis	
**4931 Senior Thesis	3
PSY Elective (Upper Division)	3
PSY Elective (Upper Division)	3
PSY Elective (Upper Division)	3
PSY Elective (Upper Division)	3
PSY Elective (Upper Division)	3
PSY Elective (Upper Division)	3

Communication (9 Hours)

Course	Hours
1010 English Composition I	3
1020 English Composition II	3
COMM 2025 Fundamentals of Communication or PC 2500 Communicating in the Professions	3

Biology (8 Hours)

Course	Hours
1010 Intro to Biology	4
1020 Diversity of Life	4

Mathematics (3 Hours)

Course	Hours
1530 Introductory Statistics or 1130 College Algebra 1630, 1710, 1720, 1730, 1830, 1910	3

History (6 Hours)

Course	Hours
2010 Early US History	3
2020 Modern US History	3

Social/Behavioral Science (6 Hours)

Course	Hours
AGBE 2010 World Food and Society	3
ANTH 1100 Intro to Anthropology	3
ECON 2010 Principles of Microeconomics	3
ECON 2020 Principles of Macroeconomics	3
ESS 1100 Introduction to Environmental Studies	3
EXPW 2015 Concepts of Health and Wellness	3
GEOG 1012 Cultural Geography	3
GEOG 1130 Geography of Natural Hazards	3
POLS 1030 American Government	3
SOC 1010 Introduction to Sociology	3
WGS 2010 Intro to Women and Gender Studies	3

Humanities and/or Fine Arts (6 Hours)

Course	Hours
Art 1035 Introduction to Art	3
*ENGL 2130 Topics in American Literature	3
*ENGL 2235 Topics in British Literature	3
*ENGL 2330 Topics in World Literature	3
FLST 2520 The Cultures and Peoples of N. Africa	3
FREN 2510 French Culture and Civilization	3
GERM 2520 German Culture and Civilization	3
HIST 2210 Early Western Civilization	3
HIST 2220 Modern Western Civilization	3
HIST 2310 Early World History	3
HIST 2320 Modern World History	3
HIST 1310 Science and World Cultures	3
MUS 1030 Music Appreciation	3
PHIL 1030 Introduction to Philosophy	3
RELS 2010 Introduction to Religious Studies	3
SPAN 2510 Spanish Culture and Civilization	3
SPAN 2550 Latin American Culture and Civilization	3
THEA 1030 Introduction to Theatre	3

Electives (40 Hours)

Course	Hours
General Electives	40

Financial Impact: None

Effective Date: Fall 2025

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

15. Foreign Languages – Program Name Change

- a. After receiving positive feedback from alumni and students, the Foreign Language faculty propose updating the Program's name to "World Languages and Cultures."

This change reflects a more inclusive, interconnected, and accurate approach to language learning. The term "World Languages" conveys a broader, more globally oriented perspective that can help attract more diverse students. The new name more effectively communicates our department's role in preparing students for careers in the global economy.

The addition of "Cultures" highlights the department's broader scholarly scope, encompassing literature, history, and other interdisciplinary fields alongside language instruction. This update aligns with our curriculum and faculty research while also following a recommendation endorsed by an external reviewer to change our department name. Many institutions across the U.S. have made similar updates, underscoring the importance of cultural studies alongside language proficiency.

Ultimately, this change will keep our department current and competitive, enhancing our ability to promote and market our programs.

Phase out date of all programs under the Foreign Languages title will be May 2029.

Effective Date: Fall 2025

Financial Impact: None

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried

16. Other Such Matters

- a. Dr. Curtis Armstrong requested that all syllabi for spring semester be uploaded before spring break. If the course is in a different department, Dr. Armstrong can add the syllabi for the requesting department.
- b. Dr. Lenly Weathers provided an update on the QEP, explaining that the first-year foundations courses will include the learning durable life skills and earning the Gold Career Readiness Certificate. The committee has approved the revised memo which provides more flexibility including when the courses are offered (potentially sophomore year), and the program will start with a pilot year in the fall. Boot camp will be offered for all faculty currently teaching first-year foundation courses already on the books.
- c. Gail reminded participants to ensure consistency in syllabi, proposals and attachments. She also offered to assist with any proposal entry in Course Dog or help with proposals memos.
- d. Dr. Huo informed everyone that Tennessee Code Annotated 497.147 on remedial courses is now in effect and allows higher education institutions to offer developmental

or remedial courses. She requested that departments inform her if they are currently offering remedial courses.

With no other matters and no further discussion at 4:22 p.m., Dr. Jeremy Wendt proposed that the meeting be adjourned.

Motion to approve: Julie Baker

Second: Lisa Zagumny

Vote: Motion Carried