University Curriculum Committee

March 5, 2026, Meeting Minutes

The University Curriculum Committee met **Thursday, March 5, 2026,**
at **3:00 p.m. via Teams.**

Members Present:

Sean Alley
Melinda Anderson
Curtis Armstrong
Julie Baker
Angie Briggs
Scott Christen
Brittany Copley
Je Cui
Kent Dollar
Brandi Fletcher
Steve Frye
Julie Galloway
Gerald Gannod
Mike Gotcher
Steven Hayslette
Colin Hill
Michael Hoane
Sharon Huo
Barbara Jared
Peter Li
Karen Lykins
Josh Martin
Allan Mills
Ben Mohr
Linda Null
Mohan Rao
Lindsey Roberts
Stephen Robinson
Darron Smith
Matthew Smith
Steve Thomas
Eli Tidwell (student)
Charles Van Neste
Kevin West
Braxton Westbrook (student)
Chris Wilson
Kim Winkle
Lauren Wright
Lisa Zagumny
Jinfa Zhang

Members Absent:

Michael Allen
Cheyenne Bare (Student)
Jie Cui
Kim Hanna
Corey Heineman (student)
Christy Killman
Hayden Mattingly
Kelly McCallister
Abby McCulley (student)
Thomas Payne
Chad Rezsnyak
Jennifer Shank
Daren Snider
Benjamin Sweeney
Dennis Tennant

Official Representative(s):

Amy Chambers *(for Michael Allen)*
Arron Apple (*for Cheyenne Bare (student*)
Lynnette Harvey *(for Kim Hanna)*

Guests:

Amy Hill
Mary McCaskey
Autumn McDaniel
Michael Nattrass

Proceedings:

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

UCC Agenda - March 5, 2026

Item #	Unit	Agenda Item	AC/THEC
01	UCC	Approval of Agenda	
02	UCC	Approval of **February 12, 2026 Minutes**	
03	Flight Foundation Courses	Transition of Gen Ed Courses to Flight Foundation Courses (see table below)	
04	Psychology	1 Curriculum Change - FF	
05a	English	New Course - ENGL 2200	
05b	English	3 Curriculum Changes - FF	
06	School of Art, Craft & Design	10 Course Deletions and 23 Course Changes	
07a	Exercise Science	Course Changes	
07b	Exercise Science	1 Curriculum Change - Physical Ed - Licensure	
08	Accounting	1 Curriculum Change - FF & add elective	
09a	Curriculum and Instruction	5 Course Changes	
09b	Curriculum and Instruction	2 Curriculum Change - MS ESL, SEED BIOL	
10a1-10a3	Professional Studies	30 course changes	
10b	Professional Studies	5 Curriculum Changes - FF	
11	Human Ecology	1 New Course, 1 Curriculum Change - FF (Nutrition and Dietetics)	
12a	Mechanical Engineering	3 Course Changes	
12b	Mechanical Engineering	1 Course Change	
13a	Foreign Languages	2 New Courses, 2 Course Changes, 3 Curriculum Changes - FF	
13b	Foreign Languages	1 Program Name Change - IBAC to ICC	AC/THEC
13c	Foreign Languages	New Course - ICC 4980, 2 Curriculum Updates - FF - ICC	
14a1-14a3	Mathematics	1 New Course, 2 Course Changes	
14b	Mathematics	6 Curriculum Changes - FF	
15a	Nursing	1 New Course	
15b	Nursing	1 Course Change	
15c	Nursing	3 Curriculum Changes - FF	
16a	Interdisciplinary Studies	2 New courses, 2 Course Changes	
16b	Interdisciplinary Studies	2 Curriculum Changes - FF Int Cmpt, Int St	
17	Agriculture	1 Curriculum Change - FF, Agrnmy/Prec Ag	
18a	Comm & Media	11 New courses	
18b	Comm & Media	1 New Minor	AC
19a	Chemical Engineering	1 Course Changes	
19b	Chemical Engineering	1 Course Change	
	Other Such Matters		

1. **APPROVAL OF AGENDA**
   Motion to approve: Lisa Zagumny
   Second: Julie Baker
   Vote: Motion Carried

2. **APPROVAL OF MINUTES – February 12, 2026**

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

3. **GENERAL EDUCATION LEGACY COURSES TRANSITIONING TO NEW FLIGHT FOUNDATIONS**

a. The General Education Committee met January 30, 2026, to discuss and vote on courses submitted for inclusion in the Flight Foundations (General Education) curriculum. The committee approved the following courses:

- **New Courses Approved**
  - Communication – Oral Communication NURS 2600

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

04. Psychology: 1 Curriculum Change- Effective Fall 2026

Note- The General Education category names for all Programs of Study have been updated and are reflected on the attached PoS forms (coded in Blue). Those changes will not be listed out on this memo unless there is a change in the semester coursework.

1. Psychology, B.S.
   A. Second Semester Freshman Year

   From:
   ENGL 1020- English Composition II (credit 3)
   BIOL 1012- Diversity of Life or BIOL 1123, or BIOL 2020 (credit 4)
   COMM 2025- Fundamentals of Communication or PC 2500- Communicating in the Professions (credit 3)
   PSY 2130- Life Span Development Psychology or PSY 3300 (credit 3)
   Humanities/Fine Arts Elective (Gen Ed) (credit 3)
   Total credits: 16

   To:
   ENGL 1020- English Composition II (credit 3)
   BIOL 1012- Diversity of Life or BIOL 1123, or BIOL 2020 (credit 4)
   COMM 2025- Fundamentals of Communication or PC 2500- Communicating in the Professions (credit 3)
   PSY 2130- Life Span Development Psychology or PSY 3300 (credit 3)
   Digital or Financial Literacy (Gen Ed) (credit 3)
   Total credits: 16

   Justification: Adding in Digital or Financial Literacy General Education category in place of the Humanities course and moving the Humanities course to second semester sophomore year.

B. First semester Sophomore Year

From:

HIST 2010-Early United States History (credit 3)
General Electives (credit 6)
Social/Behavioral Sciences (Gen Ed) (credit 3)

To:

HIST 2010-Early United States History (credit 3)
General Electives (credit 9)
Social/Behavioral Sciences (Gen Ed) (credit 3)

Justification: Correcting previous credit hour error for Social/Behavioral Science in the degree requirements from 6 to 3 in this semester as Psychology majors take PSY 1030 for their Psychology core and 3 credit hours of this gen ed criteria. Adjusting from 6 to 9 general elective hours here to maintain the 40 credit hour total in that area and 120 total credit hours for degree.

Scientific Reasoning	8 cr
Quantitative Reasoning and Analysis	3 cr
Social and Behavioral Sciences • PSY 1030 3 cr • S/B elective 3 cr	6 cr
Historical Foundations	6 cr
Communication	9 cr
Humanities and Cultural Expression • H/C elective 3 cr • Literature 3 cr (ENGL 2130 or ENGL 2235 or ENGL 2330)	6 cr
Financial Literacy or Digital Literacy	3 cr

Financial Impact of Change

This change will require no additional funds

Effective Date: Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried.

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 and Cultural Expression Elective (Gen Ed)	3	~~Humanities/Fine Arts Elective (Gen Ed)~~	~~3~~
		Digital or Financial Literacy (Gen Ed)	3
Total: 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
General Electives	~~6~~ 9	ENGL 2130- Topics in American Literature **OR** ENGL 2235- Topics in British Literature **OR** ENGL 2330- Topics in World Literature	3
Social/Behavioral Sciences (Gen Ed)	~~6~~ 3		
		General Electives	9
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 3111- Research Methods	3
PSY 4150- Psychology of Personality OR PSY 4160- Abnormal Psychology	3	PSY 4050- Learning and Cognition	3
		General Electives	6
PSY Upper Division Elective	3	PSY Upper Division Elective	3
General Electives	6		
Total: 15		**Total: 15**	

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

05a. English – 1 Course Addition

The English department will create new Introduction to Film Studies class. The class will count both as an elective for the English major and as one of the required, foundational classes for the new film studies minor proposed by the Communications department.

I. Course Addition

A. Create ENGL 2200 Introduction to Film Studies (See attached syllabus.)
Lec. 3. Cr. 3.
Prerequisites: ENGL 1010.

Course description: "Introduces students to the discipline of film studies. Students learn the concepts and vocabulary for critically analyzing films as well as how to situate films and media their social and historical contexts."

II. Justification:

C. With the creation of a film and media minor by the Communications Department, there is need for an introductory level class in film studies. In the past, at Tennessee Tech, students have been able to take ENGL3290 through eCampus or THEA3600 from theater, but neither of these have been taught by specialists in the discipline of film studies and neither are part of any degree program. A 2000-level introductory class is common at many of Tennessee Tech's peer universities such as University of Tennessee Knoxville and University of Tennessee Chattanooga that offer film minors. The proposed film and media minor requires a clearer distinction between introductory-level courses and advanced-level courses.

Effective Date
Upon approval

Financial Impact
None

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

ENGL-2200
Introduction to Film Studies
Syllabus • Spring 2026
Tennessee Tech University

Instructor Information:

Dr. Steven W. Thomas
e-mail: swthomas@tntech.edu

Idea of Class:

Introduction to Film is a class about how to analyze film, television, and other forms of artistic screen media. The class begins with the study of cinematic form such as image, mise-en-scène, camera movement, cinematography, and narrative structure. With these basic concepts, we next develop strategies for analyzing the relationship between form and social issues such as ideology, race, class, gender, sexuality, accessibility, and underrepresented cinema.

Course Learning Objectives:

- Learn the technical vocabulary and critical methods of the discipline of film studies.
- Interpret and analyze films within multiple historical, intellectual, and cultural contexts.
- Gain a historical sense of the movie business and how it is affected by political, economic, and technological changes.
- Learn how cultural expression contributes to the development of self and society.
- Apply critical and analytical methodologies to interpret movies and other screen media.
- Put into practice research strategies and the writing process.

Prerequisites: ENGL-1010

Major Teaching Method: On-ground or on-line.

Textbooks:

Film Studies: An Introduction by Ed Sikov, 2nd ed. (Columbia University Press, 2020)
Engaging Cinema: Introduction to Film Studies by Bill Nichols (W. W. Norton, 2010)

Movies:

You are responsible for watching the movies on your own time. You can find the movies on Netflix, Amazon, Hulu, YouTube, and other streaming platforms. Tennessee Tech's library also has the DVDs or free online access for many of the films, and you can also see what's available at your local public library.

Expectations and Grading:

Each week will have a short on-line **quiz** on iLearn.

There are **twelve short responses** that you will write each day to relate the assigned reading to the movies analyzing movies. The prompt on iLearn will be unique for each week, but in general your job is to use some of the technical vocabulary and critical concepts from the books to analyze the movies that you watch. I will reply to your responses with constructive feedback, and you should then answer my questions. Our conversation on these responses is an important part of your weekly instruction.

A **short essay** (2-3 double-spaced pages) where you use the various tools from the week to analyze a film and make a coherent argument about it. The more detailed prompt is on iLearn.

A **final research paper** (5-7 double-spaced pages) where you must find two good scholarly journal articles and two good non-scholarly articles (e.g., magazine reviews, interviews) about two of the films assigned for the course. The more detailed prompt is on iLearn. Using and responding to this research, pose your own argument about the films.

All assignments must be completed. If any are incomplete, the student will not receive a final grade for the class.

How the Class Works

The order of the various modalities and tasks for instruction take place is important. First you will read a chapter from the textbook to learn the concepts that you will later use to analyze the movie. Then watch the movie(s) assigned for that day. After reading the textbook and watching the movie(s), then take a very short quiz (open book) on iLearn. This will prepare you for the in-class and/or on-line lecture and discussion with the instructor. Last, after the lecture, then write a response to the writing prompt for that day. I will respond to your daily writing with feedback, and our conversation on iLearn is an important part of the instruction.

As you see in the **calendar** below, each day has a reading assignment, a watching assignment, a list of concepts you should be able to identify, and the main topic of the short writing assignment.

I expect you to do all of the assignments. If any are missing or incomplete, you will not receive a grade for the class.

If you have any further questions, please e-mail me, and we can make an appointment to meet on Teams.

Grading and Evaluation:

The final score for the course is calculated by diving the total number of points earned by the student at the end of the semester by the total number of points possible to arrive at a percentage. The letter grade that corresponds with the percentage range is in this table:

Letter Grade	Percentage Range
A	90—100%
B	80—89%
C	70—79%
D	60—69%
F	below 60%

Calendar:

Week	Reading	Watching	Concepts	Writing Assignments
Jan. 21	Sikov, introduction			Favorite movie, find reviews/ scholarship
Jan. 26	Sikov, ch. 1 Mise-en-scene: Image	*Fight Club* (directed by David Fincher, 1999)	mise-en-scene, shot, take, camera angle, synchronized sound, composition, frame, motion, aspect-ratio, close-up, medium, full, long, eye-level, high-angle, bird's-eye, dutch-tilt, master shot, establishing shot	Analyze a scene (one from Fight Club, one from YouTube clip of random film)
Jan. 28	Sikov, ch. 2 Mise-en-scene: camera movement *Engaging Cinema*, pp. 29-38	*Boogie Nights* (directed by Paul Thomas Anderson, 1997)	pan, tilt, tracking, dolly, crane, hand-held, zoom, wide-angle, motivated and unmotivated camera movement, long-take, offscreen, diegetic, nondiegetic, reverse shot	Analyze a scene (one from Boogie, one from random film)

Feb. 2	Sikov, ch. 3 Mise-en-Scene: Cinematography	*Citizen Kane* (directed by Orson Welles, 1941)	cinematography, aspect-ratio, blocking, composition, key-light, fill-light, backlight, top-lighting, reflectors, lamps, film stock, gauge, exposure index, tinting, toning, depth of field, deep focus, wide-angle-lens, telephoto-lens, rack-focus	Analyze two scenes in Citizen Kane
Feb. 4		*Atlantics* (directed by Mati Diop, 2019)		Analyze cinematography in Atlantics

Feb. 9	Sikov, ch. 4 Editing	*City Lights* (directed by Charlie Chaplin 1931)	editing, cutting, cut, transitions, fade-in, fade-out, iris-in, iris-out, dissolve, wipe, montage, sequence, Kuleshov experiment, continuity editing, discontinuity, collision, matching (action, eye-line, graphic), looking relations (glance-object), 180° system, shot-reverse-shot pattern	Analyze the editing in City Lights
Feb. 11	*Engaging Cinema*, p. 38-50	*Battleship Potemkin* (directed by Sergei Eisenstein 1925)		Analyze the editing in Battleship, contrast it to City Lights
Feb. 16	Sikov ch. 5 Sound	*Romance and Cigarettes* (directed by John Turturro 2005)	silent movies, title cards, boom mic, radio mic, shotgun mic, analogue/digital, audio workstation,	Analyze sound design in *Romance and Cigarettes*

			postproduction, Foley studio, dialogue, music, sound-effects, diegetic, non-diegetic, synchronous, nonsynchronous, asynchronous (offscreen sound), sound bridge, aural space, sound perspective, direct sound, reflected sound, phase	
Feb. 18	Sikov ch. 11 Special Effects	*Vertigo* (directed by Alfred Hitchcock 1958)	optical effects, mechanical effects, computer-generated imagery (CGI), rear projection, superimposition, matte work, bluescreen	Analyze how visual effects contribute to how the audience conceptualizes the psychology of the characters

Feb. 23	Sikov, ch. 6 Narrative: from Scene to Scene	*Wizard of Oz* (directed by Victor Fleming 1939)	narrative, story, plot, diegesis, non-diegetic, scene, sequence, continuity, discontinuity, flashback, flashforward, fade-in, fade-out, crosscutting, character, desire, conflict	Analyze the narrative structure of Wizard of Oz
Feb. 25	Sikov, ch. 7 From Screenplay to Film	*Inside Man* (directed by Spike Lee 2006)	three-act structure, convention, segmentation, dramatic unities	Analyze the narrative structure of Inside Man
Mar. 2				Short Essay
Mar. 4	Sikov, ch. 8 Filmmakers	*Bamboozled* (directed by Spike Lee 2000)	authorship, auteur theory	open discussion topic

	Sikov, ch. 9 Performance		type, stereotype, persona, extra-filmic meaning	
Mar. 9	*Engaging Cinema* ch. 8-9 and Sikov, ch. 12, Ideology and Race	*Do the Right Thing* (directed by Spike Lee 1989)	Ideology, hegemony, social context, race, class, ethnicity, prejudice, binary oppositions, social symbolic, and web of social conflict	
Mar. 11		*Black Girl* (directed by Ousmane Sembene 1966)		Analyze the issue of race in the movies Do the Right Thing and Black Girl
Mar. 23	*Engaging Cinema* ch. 10-11 Gender and Sexuality	*Vertigo* (directed by Alfred Hitchcock 1958)	Gender, sexual identity, desire, male gaze, alterity, feminist criticism, family	
Mar. 25		*Atlantics* (directed by Mati Diop 2019)		Comparatively analyze gender and the "gaze" in the movies Vertigo and Atlantics

Mar. 30	Sikov ch. 10 Genre	*Guess Who's Coming to Dinner* (directed by Stanley Karmer 1967)	genre, subgenre, convention, social issue drama, comedy, western, horror, film noir, semantic/syntactic,	Analyze how two different genres explore the same theme/story
Apr. 1		*Get Out* (directed by Jordan Peele 2017)		

Apr. 6	*African Cinema Studies: an Introduction* (Sawadogo)	*Yeelen* (directed by Cisse) and "Pumzi" (directed by Wanuri Kahiu)	African cinema, colonial, accessibility, film as art or business	Think about how films respond to their under-represented position in a global cinema market
Apr. 8	Sikov, ch. 13 digital cinema	*Aristotle's Plot* (directed by Jean-Pierre Bekolo 1996)	Digital, streaming, truth	Compare the African movies to reflect on how the industry has changed
Apr. 13	Sikov ch. 14 and *Engaging Cinema*, ch. 12 on writing the paper	library research		
Apr. 15				Annotated bibliography
Apr. 20				One-on-one meetings with intstructor
Apr. 22				Rough draft peer workshop
Apr. 27				Oral presentation
Apr. 29				Oral presentation
May 5				Final paper due

Access, Class Environment, and Policies:

Classroom environment:

Tennessee Tech University aims to foster a positive and open classroom environment based on mutual respect and trust. The basis for all universities is their academic integrity, and therefore all students must abide by the policies of Tennessee Tech concerning academic integrity and student conduct as described in the Student Handbook.

Moreover, in particular, a course in film studies requires that those enrolled in the course examine, discuss, study, and compare films whose content may be provocative or controversial or that may present historical and cultural structures, rules, uses, habits, customs, traditions, and beliefs that are often different from those with which students are probably most familiar. These examinations, discussions, comparisons, and lessons will occur solely within the context of learning about different cultures, for learning analytical tools, and for reflecting on one's own position in the world. The course does not aim to endorse or judge any person's, or any people's, language, beliefs, values, culture, habits, customs, traditions, sexual orientation, gender, veteran status, marital status, class, ethnicity, race, or faith. Our aim is for a thoughtful, nuanced, and complex understanding of film from around the world.

Accommodations and Disability Services:

Following Tennessee Tech's policy on disability services**,** I aim for this class to be accessible to all students. If you have a disability for which you need to request accommodation, you ought to inform me in the first week of class, and you should communicate with the Accessible Education Center by e-mailing: disability@tntech.edu or calling (931) 372-6119. Please discuss with me such accommodations and your access to the internet and the necessary technology.

Academic Honesty:

Students are expected to maintain the utmost integrity following TTU's standards of academic integrity described in the Student Handbook. Academic dishonesty is the *theft* of intellectual property and is taken extremely seriously. Plagiarism is defined in Policy 216 as "using work that is not yours and claiming it as your own." The most common form of plagiarism is directly cutting and pasting a sentence, paragraph, or entire essay from the web, a journal, a book, or some other source, and copying content created by generative artificial intelligence without acknowledging the source. Remember, any information gathered from another source must be properly cited. Collaborating on an exam or homework assignment where collaboration was not permitted constitutes academic dishonesty. All instances of plagiarism and academic dishonesty (no matter how minor) will be reported to the Academic Integrity Officer (AIO) for review. In general, the first offence results in failure of the assignment and/or the course. A second offence almost invariably results in suspension or expulsion from the university.

Generative AI resources are not permitted in this course. Students are expected to do all coursework themselves, as an individual or collectively, as designated by the instructor per assignment. The use of a Generative AI Tool to complete coursework constitutes academic misconduct for this course.

Attendance is a requirement. Part of academic integrity is your presence and attitude in class. In-class activities and collegial participation during class time will be awarded points each day and cannot be made-up at a later time. Students who are unable to attend class for an extended period of time due to an emergency/extenuating circumstance (i.e., medical illness,

hospitalization, death in the family/bereavement, military or legal obligation), may contact the Office of the Vice President for Student Affairs at studentaffairs@tntech.edu to request an absence notification.

Academic support:

Tennessee Tech University also provides many support services. You can find tutors for most subjects at the Learning Center. There are also writing tutors at the Writing Excellence Studio at Tech (Henderson Hall 306B). There are also Health Services, which includes a Counseling Center. Please consult the webpages for each of these.

Changes to syllabus:

As the instructor, I may make changes to the syllabus. I will inform you of any such changes via e-mail and on iLearn.

05b. English Curriculum Changes for Flight Foundations

I. Course Additions - NONE

II. Course Deletions - NONE

III. Course Changes - NONE

IV. Curriculum Changes

Update the General Education Requirements in all English Concentrations—Creative Writing, Literature, Professional and Technical Communication,—to the hours listed in table below.

Category Name	**Credit Hours**
Quantitative Reasoning	3
Humanities and Cultural Expression	9
Historical Foundations	6
Social and Behavioral Sciences	6
Communication	9
Scientific Reasoning	4
Digital and Financial Literacy	4
Total	**41**

Justification: These changes are consistent with the new university Flight Foundations general education core requirements. Reducing the Scientific Reasoning category to four credits and allotting four credit hours for Digital and Financial Literacy provide students with the opportunity to meet all of the new Flight Foundations requirements using the minimum and maximum ranges allowed.

Degree maps attached.

Financial Impact: None

Effective Date: Fall 2026

Four-Year Plan for B.A. Degree in English

Creative Writing Concentration

Tennessee Tech University

Effective August 1, 2026

First Year			
Fall Total Credit Hours: 16		Spring Total Credit Hours: 16	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 1010 English Composition I	3	Digital/Financial Literacy	4
Foreign Language *	3	ENGL 1020 English Composition II	3
Quantitative Reasoning	3	ENGL 2400 Intro to Creative Writing	3
Scientific Reasoning	4	Foreign Language *	3
Social/Behavioral Science	3	ENGL 1100 English Explorations	3

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

Second Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 16	
Course	Cr. Hrs.	Course	Cr. Hrs.
COMM 2025 Fundamentals of Comm OR PC 2500 Communication in the Prof.	3	Electives	4
ENGL 2330 Topics in World Literature	3	ENGL 3000 Intro/English Method/Resrch	3
Foreign Language *	3	ENGL 3810 British Literature I	3
HIST 2010 Early U.S. History	3	English approved courses	3
Social/Behavioral Science	3	Foreign Language *	3

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

Third Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 15	
Course	Cr. Hrs.	Course	Cr. Hrs.
Elective	3	ENGL 3920 American Literature II	3
ENGL 3910 American Literature I	3	ENGL 4121 Shakespeare	3
ENGL 3820 British Literature II	3	English approved courses	6
English approved courses	3	Humanities and Cultural Expression	3
HIST 2020 (Modern U.S. History)	3		

Fourth Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 12	
Course	Cr. Hrs.	Course	Cr. Hrs.
Elective	3	Elective	3
English approved courses	9	ENGL 4995 Senior Colloquium	3
Humanities and Cultural Expression	3	English approved courses	6

- Students in the Creative Writing Concentration take 12 hours from the following courses: ENGL 4430 (5430), ENGL 4440 (5440), ENGL 4450 (5450), ENGL 4460, ENGL 4470 (5470), ENGL 4620 (5620). ENGL 4430 (5430), ENGL 4440 (5440), and ENGL 4450 (5450) and ENGL 4470 (5470) may be repeated for credit provided the content is different each time. ENGL 4460 may be repeated once provided the content is different. Students choose courses from the list of approved ENGL courses as indicated below, for a total of 18 hours 2 Choose one from the British Literature Block: ENGL 4111 (5111), ENGL 4130 (5130), ENGL 4140 (5140), ENGL 4210 (5210), ENGL 4221 (5221), ENGL 4231 (5231), ENGL 4240 (5240) Choose one from the American Literature Block: ENGL 4310 (5310), ENGL 4320 (5321), ENGL 4330 (5330), ENGL 4340 (5340), ENGL 4830 (5830), ENGL 4712 (5712), ENGL 4713 (5713) Choose one from the Language Block: ENGL 4511 (5511), ENGL 4521 (5521), ENGL 4531 (5531), ENGL 4541 (5541), ENGL 4561 (5561) The remaining 9 hours of upper-division ENGL courses must be taken from any ENGL courses 3000 or above EXCEPT core courses. The upper-division core courses are ENGL 3000, ENGL 3810, ENGL 3820 , ENGL 3910, ENGL 3920, ENGL 4121 (5121), and ENGL 4995. British I: Choose one ENGL 4111 (5111), ENGL 4130 (5130), ENGL 4140 (5140) British II: Choose one ENGL 4210 (5210), ENGL 4221 (5221), ENGL 4231 (5231), ENGL 4240 (5240) American: Choose two ENGL 4310 (5310), ENGL 4320 (5321), ENGL 4330 (5330), ENGL 4340 (5340), ENGL 4712 (5712), ENGL 4713 (5713), ENGL 4830 (5830) Language: Choose one ENGL 4511 (5511), ENGL 4521 (5521), ENGL 4531 (5531), ENGL 4541 (5541), ENGL 4561 (5561). The remaining 12 hours of upper-division ENGL courses must be taken from any ENGL courses at the 3000-level or above EXCEPT core courses. The upper-division core courses are ENGL 3000, 3810, 3820, 3910, 3920, 4121, and 4995.
- Students in the Creative Writing Concentration can also have a concentration in Professional and Technical Communication by using elective hours to complete 24 credit hours from the following courses (the nine credit hours from the Professional Communication Core are required): • PC 2500 Communicating in the Professions • PC 3250 Professional Communication I • PC 4850 (5850) Internship and 15 additional hours from the following: • PC 3500 - Rhetoric and the Internet • PC 3700 - Information Design in the Professions • PC 3750 - Ethics in the Professions • PC 4850 (5850) - Internship • PC 4940 (5940) - Technical Editing • PC 4950 (5950) - Topics in Professional and Technical Communication • PC 4970 (5970) Professional Communication II • PC 4990 Business and Grant Proposal Writing 3 When necessary, a committee of the instructor of record, the department chair, and the literature concentration advisor will determine if and how courses with primarily Anglophone Literature fit into the existing curriculum for the British/American blocks. Suitably designated courses may be substituted for the courses currently listed in those blocks, contingent upon approval of the majority of the committee.

Four-Year Plan for BA Degree in English

Literature Concentration

Tennessee Tech University

Effective August 1, 2026

FIRST YEAR			
FALL Total Cr. Hrs. **16**		**SPRING** Total Cr. Hrs. **15**	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
Foreign Language*	3	Foreign Language*	3
Scientific Reasoning	4	Quantitative Reasoning	3
Social & Behavioral Sciences	3	ENGL 1100 English Explorations	3
Humanities and Cultural Expression	3	COMM 2025 Fundamentals of Comm or PC 2500 Comm in the Professions	3

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

SECOND YEAR			
FALL Total Cr. Hrs. **16**		**SPRING** Total Cr. Hrs. **16**	
Course	Cr. Hrs.	Course	Cr. Hrs.
Digital/Financial Literacy	4	Social & Behavioral Sciences	3
ENGL 2330 Topics in World Literature	3	Foreign Language*	3
Foreign Language*	3	Humanities and Cultural Expression	3
Humanities and Cultural Expression	3	ENGL 3000 Intro ENGL Method/Resear	3
Free Electives	3	Free Electives	4

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

THIRD YEAR			
FALL Total Cr. Hrs. **15**		**SPRING** Total Cr. Hrs. **15**	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 3810 British Lit I	3	ENGL 3820 British Lit II	3
ENGL 3910 American Lit I	3	ENGL 3920 American Lit II	3
HIST 2010 Early US Hist	3	HIST 2020 Modern US Hist	3
ENGL approved courses	6	ENGL approved courses	6

FOURTH YEAR			
FALL Total Cr. Hrs. **15**		**SPRING** Total Cr. Hrs. **12**	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 4121 Shakespeare	3	ENGL 4995 Senior Colloquium	3
ENGL approved courses	9	ENGL approved courses	6
Free Electives	3	Free Electives	3

- Approved ENGL courses: British I: Choose one ENGL 4111 (5111), ENGL 4130 (5130), ENGL 4140 (5140) British II: Choose one ENGL 4210 (5210), ENGL 4221 (5221), ENGL 4231 (5231), ENGL 4240 (5240) American: Choose two ENGL 4310 (5310), ENGL 4320 (5321), ENGL 4330 (5330), ENGL 4340 (5340), ENGL 4712 (5712), ENGL 4713 (5713), ENGL 4830 (5830) Language: Choose one ENGL 4511 (5511), ENGL 4521 (5521), ENGL 4531 (5531), ENGL 4541 (5541), ENGL 4561 (5561). The remaining 12 hours of upper-division ENGL courses must be taken from any ENGL courses at the 3000-level or above EXCEPT core courses. The upper division core courses are ENGL 3000, 3810, 3820, 3910, 3920, 4121, and 4995. (Generic)

Four-Year Plan for B.A. Degree in English

Professional and Technical Communication Concentration

Tennessee Tech University

Effective August 1, 2026

First Year			
Fall Total Credit Hours: 16		Spring Total Credit Hours: 16	
Course	Cr. Hrs.	Course	Cr. Hrs.
Elective	3	Digital/Financial Literacy	4
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
HIST 2010 Early U.S. History	3	HIST 2020 Modern U.S. History	3
Quantitative Reasoning	3	PC 2500 Communicating in the Profess.	3
Scientific Reasoning	4	ENGL 1100 English Explorations	3

Second Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 16	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 2330 Topics in World Literature	3	Elective	4
ENGL/PC 3250 Professional Comm I	3	Elective	3
ENGL 3810 British Literature I	3	ENGL 3000 Intro/English Method/Resrch	3
Humanities and Cultural Expression	3	ENGL 3820 British Literature II	3
Social/Behavioral Sciences	3	Social/Behavioral Science	3

Third Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 15	
Course	Cr. Hrs.	Course	Cr. Hrs.
ENGL 3910 American Literature I	3	Elective	3
ENGL 4121 Shakespeare	3	ENGL 3920 American Literature II	3
Foreign Language *	3	Foreign Language *	3
Humanities and Cultural Expression	3	PC 3500 Rhetoric and the Internet OR PC 3700 Info Design in the Prof. OR PC 3750 Ethics in the Professions OR PC 4850 Internship	6
PC 4850 Internship	3		

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

Fourth Year			
Fall Total Credit Hours: 15		Spring Total Credit Hours: 12	
Course	Cr. Hrs.	Course	Cr. Hrs.

Elective	3	Elective	3
ENGL 4511 Intro to Descriptive Ling OR ENGL 4521 Hist of the English Lang OR ENGL 4531 Grammar and Language	3	ENGL 4995 Senior Colloquium	3
Foreign Language *	3	Foreign Language *	3
PC 4940 Technical Editing OR PC 4970 Professional Comm II OR PC 4990 Bus/Grant Proposal Writing OR PC 4850 Internship OR PC 4950 Topics in Prof/Tech Comm	6	PC 4940 Technical Editing OR PC 4970 Professional Comm II OR PC 4990 Bus/Grant Proposal Writing OR PC 4850 Internship OR PC 4950 Topics in Prof/Tech Comm	3

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

Note: Students may use their 18 elective hours to pursue the following optional options: Corporate Culture • BMGT 3510 - Management and Organizational Behavior Credit: 3. • BMGT 3630 - Human Resource Management Credit: 3. • COMM 4420 - Advanced Organizational Communication Credit: 3. • COMM 4430 (5430) - Advanced Interpersonal Communication Credit: 3. • COMM 4630 (5630) - Persuasion Credit: 3. Information Architecture • COMM 3120 - Visual Communication/Rhetoric Credit: 3. • WEBD 1500 - Introduction to Web Design Credit: 3. • WEBD 2300 - Web Site Design: Dynamic Sites Credit: 3. • WEBD 3500 - Rhetoric and the Internet Credit: 3. or • PC 3500 - Rhetoric and the Internet Credit: 3. Scientific and Technical Writing • BIOL 3920 - Biological Communication Skills Credit: 3. • PC 4940 (5940) - Technical Editing Credit: 3. • Natural Science Credit 8.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

06. School of Art, Craft and Design – 8 Course Deletions and 23 Course Changes

I. COURSE ADDITIONS:

II. COURSE DELETIONS:

A. ART 4210: Practicum
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

B. ART 4220: Internship
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026.
Financial impact: none

C. ART 4230: Portfolio
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

D. ARED 4870: Student Teaching I
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

E. ARED 4871: Residency I
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

F. ARED 4872: Professional Seminar 1
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

G. ARED 4880: Student Teaching II
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

H. ARED 4881: Residency II
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

I. ARED 4882: Professional Seminar II
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

J. ARED 4890: Seminar: Education and Society
Justification: this course is no longer taught. Cleaning up catalog.
Effective date: fall 2026
Financial impact: none

III. COURSE CHANGES

A. ART 3810 Metals Studio: Metalsmithing
Delete the following prerequisites: ART 1050: Drawing II or ART 2330: Technical Drawing or ART 2340: CAD for the artist
Justification: successful completion of only ART 1045: Drawing I is needed for the course
Financial impact: none
Effective date: fall 2026

B. ART 3811 Metals Studio: Metalsmithing
Delete the following prerequisites: ART 1050: Drawing II or ART 2330: Technical Drawing or ART 2340: CAD for the artist
Justification: successful completion of only ART 1045: Drawing I is needed for the course
Financial impact: none
Effective date: fall 2026

C. ART 3820 Metals Studio: Blacksmithing
Delete the following prerequisites: ART 1050: Drawing II or ART 2330: Technical Drawing or ART 2340: CAD for the artist, AND ART 2810: Intro to Metals
Justification: successful completion of only ART 1045: Drawing I is needed for the course, and the skills gained in ART 2810: Intro to Metalsmithing aren't transferable to blacksmithing.
Financial impact: none
Effective date: fall 2026

D. ART 4231 Portfolio I
ADD prerequisite: ART 3230 Design Studio 3
Justification: Students must have technical grasp of the software and design concepts learned in ART 3230: Design Studio 3 to successfully manage the course content in ART 4231: Portfolio I.
Financial impact: none
Effective date: fall 2026

E. ART 3640 3D Structures in Fibers
Delete restrictions: must be enrolled in Fine Arts or Reverse Transfer Degree
Justification: this is not needed, discourages enrollment in the course
Financial impact: none
Effective date: fall 2026

F. ART 3650 Fiber Art Studio
ADD pre-requisites: ART 2610, AND 3640 OR 3610 or 3620.
Justification: students need the conceptual and technical background of the pre-requisite courses to meet the demands of ART 3650: Fiber Art Studio.

G. ART 3099: Professional Practices of the Artist
ADD pre-requisites: ART 1340 Foundation Studio I, ART 1350 Foundations Studio II, ART 1250 Digital Imaging Basics, ART 1320 Creative Studio, ART 1045 Drawing I, AND ART 1050 Drawing II OR ART 2340 CAD for the Artist OR ART 2330 Technical Drawing, plus at least 9 credits of other art studio courses, OR permission of the instructor.
Justification: to ensure preparedness for the course
Financial impact: none
Effective Date: fall 2026

H. ART 3511: Intermediate Handbuilding
ADD pre-requisites: ART 2505: Intro to Ceramics OR ART 2510: Intro to Handbuilding, and ART 1340: Foundation Studio I, ART 1045: Drawing I, and ART 1320: Creative Studio OR permission of the instructor.
Description: Further exploration of hand-building with emphasis on decorating and firing. May be repeated up to 12 credit hours.
Justification: completion of the pre-requisites ensures technical and conceptual framework for the course.
Financial impact: none
Effective date: fall 2026

I. ART 3520: Advanced Clay Studio
ADD pre-requisites: ART 2505: Introduction to Ceramics, OR both ART 2510: Introduction to Handbuilding AND ART 2540: Introduction to Wheelthrowing, ART 3511: Intermediate Handbuilding, ART 3540: Intermediate Wheelthrowing, ART 1350: Foundations Studio II, ART 1050: Drawing II OR ART 2330: Technical Drawing OR ART 2340; and ART 2540: Introduction to Wheelthrowing OR ART 3511: Intermediate Handbuilding, or permission of the instructor.
Description: Advanced ceramics form and process with emphasis on individual stylistic concept. Additional emphasis on ceramic history, aesthetics and criticism. May be repeated up to 12 hours.
Justification: updating course prerequisites
Financial impact: none
Effective date: fall 2026

J. ART 3521: Advanced Clay Studio
ADD pre-requisites: ART 2505: Introduction to Ceramics, OR both ART 2510: Introduction to Handbuilding AND ART 2540: Introduction to Wheelthrowing, ART 3511: Intermediate Handbuilding, ART 3540: Intermediate Wheelthrowing, ART 1350: Foundations Studio II, ART 1050: Drawing II OR ART 2330: Technical Drawing OR ART 2340; and ART 2540: Introduction to Wheelthrowing OR ART 3511: Intermediate Handbuilding, or permission of the instructor.
Description: Advanced ceramics form and process with emphasis on individual stylistic concept. Additional emphasis on ceramic history, aesthetics and criticism. May be repeated up to 12 hours.

Justification: updating course prerequisites
Financial impact: none
Effective date: fall 2026

K. ART 3530: Independent Studies – clay
ADD pre-requisites: ART 2505: Introduction to Ceramics, OR both ART 2510: Introduction to Handbuilding AND ART 2540: Introduction to Wheelthrowing, ART 3511: Intermediate Handbuilding, ART 3540: Intermediate Wheelthrowing, ART 1350: Foundations Studio II, ART 1050: Drawing II OR ART 2330: Technical Drawing OR ART 2340: CAD for the Artist, and ART 2540: Introduction to Wheelthrowing OR ART 3511: Intermediate Handbuilding, or permission of the instructor.
Description: Independent production studies by arrangement with the instructor, emphasis on advanced creative design and skills. May be repeated up to 12 credit hours.
Justification: updating departmental course prerequisites
Financial impact: none
Effective date: fall 2026

L. ART 3531: Independent Studies – clay
ADD pre-requisites: ART 2505: Introduction to Ceramics, OR both ART 2510: Introduction to Handbuilding AND ART 2540: Introduction to Wheelthrowing, ART 3511: Intermediate Handbuilding, ART 3540: Intermediate Wheelthrowing, ART 1350: Foundations Studio II, ART 1050: Drawing II OR ART 2330: Technical Drawing OR ART 2340: CAD for the Artist, and ART 2540: Introduction to Wheelthrowing OR ART 3511: Intermediate Handbuilding, OR permission of the instructor.
Description: Independent production studies by arrangement with the instructor, emphasis on advanced creative design and skills. May be repeated up to 12 credit hours.
Justification: updating departmental course prerequisites
Financial impact: none
Effective date: fall 2026

M. ART 3540: Intermediate Wheelthrowing
ADD pre-requisites: ART 2505: Intro to Ceramics OR ART 2540: Intro to Wheelthrowing, and ART 1340: Foundation Studio I, ART 1045: Drawing I, and ART 1320: Creative Studio, or permission of the instructor.
Description: Continued advanced skill development of wheel-throwing techniques. Independent glaze formulation and testing introduction.

Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

N. ART 4000: Senior Capstone
Pre-requisites: ART 1340: Foundation Studio I, ART 1250: Digital Imaging Basics, ART 1350: Foundation Studio II, ART 1045: Drawing I, ART 1320: Creative Studio, ART 1050: Drawing II or ART 2330: Technical Drawing or ART 2340: CAD for the Artist, and 15 credits of studio electives, OR permission of the instructor.
Description: The senior capstone is intended to verify the student's ability to conceive, plan and execute a small body of work appropriate to the liberal arts degree. Students will research and become familiar with practices of the artist.
Justification: updating pre-requisites.
Financial impact: none
Effective date: fall 2026.

O. ART 3250: Independent Studies in Design
ADD pre-requisites: ART 3210: Design Studio I, and ART 3220: Design Studio II, or permission of the instructor.
Justification: updating pre-requisites
Financial impact: none
Effective date: Fall 2026

P. ART 3251: Independent Studies in Design
ADD Pre-requisites: ART 3210: Design Studio I, and ART 3220: Design Studio II, OR permission of the instructor.
Justification: updating pre-requisites
Financial impact: none
Effective date: Fall 2026

Q. ARED 4875: Applications of Learning
Update description: Application of Learning equips students with essential skills and knowledge to excel in Residency. Through comprehensive discussions and review sessions, students will understand the key requirements for Residency while exploring effective instructional techniques and crafting innovative curricula and assessment strategies. Additionally, students will communicate and meet with their future mentor teachers and observe their Residency placement classrooms, fostering meaningful relationships before they officially start next semester. This course prepares students to start Residency Teaching, reviews core content, and familiarizes students with state teacher licensure procedures. A grade of 'C' or better is required for course credit.
Justification: EdTPA is being eliminated
Financial impact: none
Effective date: Fall 2026

R. ART 3420: Painting III
Prerequisites: ART 1340, ART 1050, and ART 3410: Painting II or permission of the instructor.
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

S. ART 2041: Relief Printmaking
Prerequisites: ART 1340: Foundation Studio I, ART 1045: Drawing I, or permission of the instructor.
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

T. ART 2050: Intaglio Printmaking
Prerequisites: ART 1340: Foundation Studio I, ART 1045: Drawing I, or permission of the instructor
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

U. Art 3430: Independent Studies in Painting I
Prerequisite: permission of the instructor
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

V. ART 3431: Independent Studies in Painting II
Prerequisites: Permission of the instructor
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

W. ART 4100: Art Tour
Restricted to BFA and BS-studio art students,
Prerequisite: ART 1035 or permission of instructor
Justification: updating prerequisites
Financial impact: none
Effective date: fall 2026.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

07a. Exercise Science: Course Changes - Updates to Catalog for Licensure Concentration

Justification: These changes clean up the catalog and align pre-requisites and co-requisites

Financial Implications: None

Effective Date: Fall 2026

CHANGE

EXPW 3720-Instructional Strategies

Prerequisite: Exercise Science Licensure major, must pass with a grade of B or better. For physical education teacher candidates to identify specific strategies beneficial to teaching physical education.

To:

Prerequisite: Exercise Science Licensure major, full admission to Teacher Education.
Must ~~pass with a~~ have grade of B or better. ~~For physical education teacher candidates to identify specific strategies beneficial to teaching physical education.~~ Examines evidence-based strategies for effective instruction in physical education grades K-12.

EXPW4731 - Assessment in PE Classroom

Prerequisite: Full admission to Teacher Education. Multiple opportunities to construct and administer various assessment measures and to interpret data from assessing student performance and learning in physical education. EdTPA assessment tool – TASK 3 is examined.

Use of rubrics, administering standardized fitness tests, administering various skills tests, and analyzing the results is included.

To:

Prerequisite: Full admission to Teacher Education. Multiple opportunities to construct and administer various assessment measures and to interpret data from assessing student performance and learning in physical education. ~~EdTPA assessment tool – TASK 3 is examined.~~ Use of rubrics, administering standardized fitness tests, administering various skills tests, and analyzing the results is included.

EXPW3660 - Curriculum in Physical Edu

Prerequisite: Exercise Science Licensure candidate. Develop skills and understanding to design physical education curricula, interpret and utilize existing curriculum models and evaluate usefulness in physical education programs.

To:

Prerequisite: Exercise Science Licensure candidate, full admission to Teacher Education. ~~Develop skills and understanding to design physical education curricula, interpret and utilize existing curriculum models and evaluate usefulness in physical education programs.~~ Examination of curriculum development processes including planning, design, implementation and evaluation of curricula. Learning to align curricula with standards, to meet learning needs, instructional goals and assessment outcomes is required for completion.

EXPW3132 - School Wellness Pedagogy/Pract

Prerequisite: EXPW 2015 or equivalent and Exercise Science Licensure major. Multiple opportunities to examine health/lifetime wellness curriculum design, gain familiarity with instructional methodology and design, and participate in supervised practicum in a secondary health/wellness classroom.

EXPW4752 - Elementary PE Practicum

Prerequisite: Full admission to teacher education, EXPW 2720, EXPW 3720, EXPW 3565 with grade of "B" or better. Co-requisite: EXPW 4722 - Methods of Teaching Elementary Physical Education. The teacher candidate will observe, assist and tech in the elementary physical education setting. The successful candidate will have a grade of "B" or better to progress to Residency I.

To:

Prerequisite: Full admission to teacher education, Grade of "B" or better in EXPW 2720, EXPW 3720, EXPW 3565 ~~with grade of "B" or better.~~ Co-requisite: EXPW 4722 - Methods of Teaching Elementary Physical Education. The teacher candidate will observe, assist and ~~tech~~ teach in the elementary physical education setting. The successful candidate will have a grade of "B" or better to progress to Residency. ~~I.~~

EXPW4845 - Phys Educ Field Experience

Prerequisite: Exercise Science Licensure major. Candidates learn from seasoned physical education professionals. Must pass background check before going into school setting.

To:

Prerequisite: Exercise Science Licensure major, Full admission to Teacher Education. Candidates learn from seasoned physical education professionals in a supervised observation experience. ~~Must pass background check before going into school setting.~~

EXPW4874 - Professional Seminar I

Prerequisite: Full admission to teacher education, EXPW 4712, EXPW 4722, EXPW 4751 and EXPW 4752 with grade of "B" or better in each. Problem-based learning for teacher candidates to prepare for Residency and edTPA. (Fall Only)

To:

Prerequisite: Full admission to teacher education, Grade of "B" or better in EXPW 4712, EXPW 4722, EXPW 4751 and EXPW 4752 ~~with grade of "B" or better in each~~. Problem-based learning for teacher candidates to prepare for Residency ~~and edTPA. (Fall Only)~~

EXPW4883 - Residency

Full-time, supervised teaching experience where candidate teaches physical education at an assigned placement. Candidate must complete and submit the EdTPA assessment during this course and make the minimum cut score of higher for program completion, graduation and earning a Tennessee teaching license.

To:

Co-requisite EXPW 4882. A culminating residency experience in physical education teacher preparation. Candidates demonstrate competence in planning, instruction, assessment, classroom management, and professional practice in a supervised physical education setting. ~~Full-time, supervised teaching experience where candidate teaches physical education at an assigned placement.~~ ~~Candidate must complete and submit the EdTPA assessment during this course and make the minimum cut score of higher for program completion, graduation and earning a Tennessee teaching license.~~

EXPW4882 - Professional Seminar II

Corequisite: EXPW 4881. This course is a seminar on issues related to the interrelationships among school, culture and society; a historical, philosophical and sociological analysis. (Spring only).

To:

Corequisite: EXPW ~~4881~~ 4883. ~~This course is a~~ Seminar on issues related to the interrelationships among school, culture and society; a historical, philosophical and sociological analysis. ~~(Spring only).~~

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

07b. Exercise Science: Curriculum Changes - Updates to Physical Education Licensure Degree Map

Justification: This change provides students with added flexibility in their course selections, includes the flight foundations changes, and helps limit the need for course substitutions.

Financial Implications: None

Effective Date: Fall 2026

CHANGE

1. From: BIOL 1010 – Intro to Biology or BIOL 1113 – General Biology I
   BIOL 1020 – Diversity of Life or BIOL 1123 – General Biology II
   TO: SCIENTIFIC REASONING [Natural Science] 8 credit hours

2. From: FOED 2011 – Intro to Teaching/Technology (2 cr)
   TO: FOED 2050 – Education and Technology (3 cr)

3. From: BIOL 2010 – Human Anatomy & Physiology I or BIOL 2350 Intro to A & P
   TO: BIOL 2350 – Intro to Anatomy & Physiology or advisor approved A&P course

4. From: SBS Elective
   TO: EXPW 2015 – Concepts of Health/Wellness

5. From: EXPW 1021 – Connections to EXPW
   TO: EXPW 1021 – Connections to Exercise Science OR equivalent

6. From: EXPW 1022 – Introduction to EXPW
   TO: EXPW 1022 – Introduction to Exercise Science OR equivalent

7. From: Math
   TO: Quantitative Reasoning and Analysis (3 credit hours)

8. From: EXPW 4840 – Field Experience
   TO: EXPW 4845 – Field Experience
   [EXPW 4840 is a typographical error]

ADD:

1. Financial or Digital Literacy (3 credit hours)

DELETE:

1. Elective Credit (1 credit)
   This hour is absorbed with the FOED change from 2 to 3 credit hours.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Physical Education Licensure Concentration Degree Map

Freshman (semester 1)	
From	To
BIOL 1010 or BIOL 1113(4)	*Natural Science (Scientific Reasoning) (4)*
ENGL 1010(3)	ENGL 1010 (3)
EXPW 1021(1)	EXPW 1021 or equivalent (1)
EXPW 1022 (2)	EXPW 1022 or equivalent (2)
FOED 2011(2 cr)	**FOED 2050 (3cr)**
PHED 1002(0)	PHED 1002 (0)
PSY 1030 (3) 15 cr	PSY 1030 (3) 16 cr
Freshman (semester 2)	
BIOL 1020 or BIOL 1123 (4)	*Natural Science (Scientific Reasoning) (4)*
ENGL 1020 (3)	ENGL 1020 (3)
EXPW 2900 (3)	EXPW 2900 (3)
MATH (3)	*Quantitative Reasoning & Analysis (3)*
PSY 2210(3) 16 cr	PSY 2210 (3) 16 cr
Sophomore (semester 1)	
BIOL 2010 or BIOL 2350 (4)	*BIOL 2350 (4)*
HIST 2010 (3)	*HIST 2010 (3)*
Humanities and Cultural Expression (3)	Humanities and Cultural Expression (3)
PHED 1002 (0)	PHED 1002 (0)
EXPW 3170 (3)	EXPW 3170 (3)
EXPW 2430 (2) 15 cr	EXPW 2430 (2) 15 cr
Sophomore (semester 2)	
COMM 2025 or PC 2500 (3)	*COMM 2025 or PC 2500 (3)*
ENGL 2130 or ENGL 2235 or ENGL 2330 (3)	*Financial or Digital Literacy (3)*

HIST 2020 (3)		*HIST 2020 (3)*	
EXPW 2015 (3)		EXPW 2015 (3)	
Humanities/Fine Arts (3)	*15 cr*	*Humanities/ Cultural Expression (3)*	*15 cr*
Junior Year (semester 1)			
EXPW 3565 (3)		EXPW 3565 (3)	
EXPW 3720 (3)		EXPW 3720 (3)	
EXPW 4420 (3)		EXPW 4420 (3)	
PHED 1002 (0)		PHED 1002 (0)	
EXPW 4731 (2)		EXPW 4731 (2)	
EXPW 3660 (2)		EXPW 3660 (2)	
EXPW 2720 (2)		EXPW 2720 (2)	
EXPW 4840 (1)	**16 cr**	**EXPW 4845 (1)**	**16 cr**
Junior Year (semester 2)			
EXPW 3132 (3)		EXPW 3132 (3)	
EXPW 3310 (1)		EXPW 3310 (1)	
EXPW 3410 (3)		EXPW 3410 (3)	
EXPW 4440 (3)		EXPW 4440 (3)	
EXPW 4722 (3)		EXPW 4722 (3)	
EXPW 4752 (2)	15 cr	EXPW 4752 (2)	15 cr
Senior Year (semester 1)			
EXPW 4520 (3)		EXPW 4520 (3)	
EXPW 4874 (2)		EXPW 4874 (2)	
PHED 1002 (0)		PHED 1002 (0)	
EXPW 4712 (3)		EXPW 4712 (3)	
EXPW 4751 (2)		EXPW 4751 (2)	
FOED 3010 (3)		FOED 3010 (3)	

Elective (1)		**XXX[absorbed in FOED change]**	
EXPW 3330 (2)	15 cr	EXPW 3330 (2)	15 cr
Senior Year (semester 2)			
EXPW 4883 (10)		EXPW 4883 (10)	
EXPW 4882 (2)	12 cr	EXPW 4882 (2)	12 cr
Total .....120 cr			120 cr

08. Accounting: Curriculum Change

ADD ACCT 4250/5250 - Governmental, NFP, & Healthcare Acct to Accounting Department Accounting Elective List

CHANGE

ACCT 4250/5250 was added as a new course at the previous Curriculum Committee Meeting. We now need to add ACCT 4250/5250 to the list of approved Accounting Electives for Accounting majors.

Justification: As ACCT 4250/5250 did not previously exist and as ACCT 4250/5250 is intended to be allowed as an upper division Accounting Elective for Accounting majors, this course needs to be added to the approved list of Accounting Electives.

Financial Impact: No additional financial impact is anticipated.

Effective Date: Summer 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Department *of* Accounting

Updated 1-7-2026

Term: Summer 2026

Course Subject: **ACCT**
Course Number: **4250**
Section: **500**
CRN: ?????
Title: **Governmental/Not-For-Profit Accounting** Credit Hours: **3**
Schedule Time: **Web Online** Day(s): **- Weekly**
Location: **Web Online**

Contact Information

Instructor: **Dr. Robert Wilbanks, CPA**
Office Location: **Foundation Hall Room 227**
Office Phone: **931-372-3911 (preferable to contact me via email)**
Office Hours: **I am typically in my office on Mondays and Wednesdays before and after my 1:00-2:15 PM class. I can also meet by appointment, via Zoom video conferencing, or by phone.**
Email Address: rwilbanks@tntech.edu.

*** I will respond as soon as possible and no later than one working day (M-F). If I receive an email on a Saturday, Sunday, or a holiday break, I will follow up with you on the first working day after that, at the latest. EMAIL SENT THROUGH ILEARN WILL NOT REACH ME, SO ALWAYS SEND EMAILS TO MY TNTECH EMAIL ADDRESS**

I. Catalog Description: Prerequisite: ACCT 2110 & 2120 with a minimum grade of C. Cannot be taken concurrently with ACCT2110 (Accounting majors must complete ACCT 2110 and ACCT 2120 with a minimum grade of "C" to register for ACCT 4530). Accounting, reporting, and budgeting for governmental entities and other not-for-profit organizations, including coverage of healthcare and voluntary welfare organizations.

II. Purpose: To introduce students to the standard body of knowledge related to governmental and not-for-profit accounting.

III. Course Objectives:

Students satisfactorily completing this Course will be able to:
1. Demonstrate and apply an understanding of the different objectives, the basis of accounting, and the measurement focus used for each set of financial statements in the government financial reporting model and the related standards.
2. Demonstrate and apply an understanding of fund accounting and budgetary accounting.
3. Demonstrate and apply an understanding of the differences and similarities between state and local governments and not-for-profit organizations.

IV. Content Outline:

V. Resources: McGraw Hill's Connect system and the text are the primary resources for this Course. Connect allows all homework to be completed, graded, and scored online. This product also provides access to the e-book at any time. E-book links to chapter learning objectives are available while

working on homework. Connect also provides access to accounting videos, chapter learning objectives, PPTs, narrated PPT shows, Excel templates, and iPod content for download. Your grade book will be managed in iLearn. You will also find the syllabus, PowerPoint slides, and course videos in Ilearn. **iLearn Assistance:** Students needing assistance should visit https://www2.tntech.edu/ilearn/ for resources and contact information.

Textbook:

Required:
You must purchase an access code to access the Connect homework system (see Connect Instruction pdf file). This option also will give you access to the e-book and costs substantially less than the hard copy book and Connect access. **Register for Connect as soon as possible to submit the first Connect homework assignment due on 9/1. If you choose to use the complimentary two weeks of free access, please make your complete purchase by the end of the trial period, or else you may lose your scores for any homework completed to date.**

Course Grading:

Your grade will be based entirely on your exam and homework scores. Course Grades will be based on the following:

Exam I	250 points*
Exam II	150 points*
Exam #3	200 points
Project	200 points (Mandatory)
Homework & All Other Assignments	200 points
Total Points	1000 **points**

A = 90%+; B = 80%+; C = 70%+; D = 60%+; F = <60%*
At least one exam must be 60% or higher to pass the Course, although this does not in and of itself result in passing the Course. **Your final grade will be based on the total points you earned. Your grade will not be adjusted because you need to improve your grade point average or need a grade to graduate or to maintain a scholarship.**

Exams: You will have two exams during the semester. There are no opportunities to drop any of the exam scores. It is always a good idea to stay up-to-date throughout the semester and prepare for the exams. On the exams, you may use one 8.5 X 11 letter-size piece of paper with handwritten notes on one of the sides and use the backside for any calculations. Your instructor will give you specific instructions about how to do this and comply with the exam monitoring program.

Exam Monitoring: Your exams will be monitored using the Proctorio software platform McGraw-Hill provides. Your PC should have a working camera as you will be recorded while you take your exams. Your instructor will provide you with more specific directions about how to use Proctorio. You should test Proctorio on your PC before taking the first exam.

Make-up Exams: As a policy, make-up exams are not given. If a family or medical emergency causes you to miss an exam, it is your responsibility to contact the teacher, document the reason for missing, and make arrangements to take the exam. Failing to do this will result in a score of zero.

Homework:

We will be using the homework problems in the Connect system. On each problem, you will have three (3) attempts. The homework will typically be due on **Sunday nights at 11:59 pm**, central time,

and it is your responsibility to keep up with deadlines. **I will not reopen Connect assignments for any reason**. If you forget to do your homework, you will still have practice attempts, but you will not earn points. I have also made the Learnsmart modules for this Course available to help you learn the material. These modules are not part of your grade, although Connect indicates 1 point each.

Withdrawal Policy: The last **day to drop the class without a grade is Wednesday, September 3. The last day to withdraw and receive a W grade (withdrawal) is Friday, October 24.** After that date, the student must remain in the class and receive a grade (A, B, C, D, or F). Any student contemplating withdrawing should consider the consequences of failure to withdraw by the deadlines.

Course Policies

Student Academic Misconduct Policy

Maintaining high standards of academic integrity in every class is critical to the reputation of Tennessee Tech, its students, alumni, and the employers of Tennessee Tech graduates. The student academic misconduct policy describes the definitions of academic misconduct and policies and procedures for addressing academic misconduct at Tennessee Tech. For details, view Tennessee Tech's policy 217 – student academic misconduct at policy central.

AI policy statement (Moderate Use): In this course, Generative AI resources are allowed to be used for specific assignments (semester project) or within set parameters, as designated by the instructor.

To ensure academic integrity, students must openly disclose any AI-generated material they utilize and provide proper attribution. This includes in-text citations, quotations, and references.

To indicate the use of a Generative AI resource, a student should include the following statement in their assignments: "The author(s) acknowledge the utilization of [Generative AI Tool Name], a language model developed by [Generative AI Tool Provider], in the preparation of this assignment. The [Generative AI Tool Name] was employed in the following manner(s) within this assignment [e.g., brainstorming, grammatical correction, citation, specific section of the assignment]."

Attendance Policy

Students who are unable to keep up with the Course for an extended time due to an emergency/extenuating circumstance (i.e., medical illness, hospitalization, death in the family/bereavement, military or legal obligation) may contact the Office of the Vice President for Student Affairs at studentaffairs@tntech.edu to request an absence notification.

Disability Accommodation

Students with a disability requiring accommodations should contact the accessible education center (AEC). An accommodation request (AR) should be completed as soon as possible, preferably by the end of the first week of the Course. The AEC is in the Roaden University Center, room 112; phone 931-372-6119. For details, view Tennessee Tech's policy 340 – services for students with disabilities at policy central.

Personal Services

If you find that personal problems, career indecision, study and time management difficulties, etc., are adversely affecting your successful progress at TTU, you may want to take advantage of the services of the TTU Counseling Center located in the Roaden University Center, Room 307, phone 931-372-3331. For more information, see COUNSEL.

Inclement Weather Policy

All Tennessee Technological University offices will remain in operation during inclement weather to ensure continuity of services and to meet the needs of our students. In extreme weather conditions, classes and exams on campus and off-campus locations may be rescheduled or canceled while the

University is open. For further information regarding the University's inclement weather policies, see: TNTECHWEATHER

Additional Resources

Technical Help

If you are experiencing technical problems, visit the myTech IT Helpdesk for assistance.
If you are having trouble with one of the instructional technologies (i.e., Zoom, Teams, Qualtrics, Respondus, or any technology listed here), visit the Center for Innovation in Teaching and Learning (CITL) website or call 931-372-3675 for assistance.
For accessibility information and statements for our instructional technologies, visit the CITL's Learner Success Resource page.

Tutoring

The University provides free tutoring to all Tennessee Tech students. Tutoring is available for any class or subject, as well as writing, test prep, study skills, and resume support. Appointments are scheduled, so contact the Learning Center website for more information.

Health and Wellness

Counseling Center

The Counseling Center offers short-term, solution-focused therapeutic interventions for Tennessee Tech University students. The staff of the Counseling Center is available to assist students with their personal and social concerns in hopes of helping them achieve satisfying educational and life experiences. To learn more or schedule an appointment, visit the Counseling Center website.

Health Services

Health Services offers high-quality, affordable care that is accessible and promotes the health and wellness of our Tennessee Tech community. Visit the Health Services website to learn more.

Pandemic Protocols

Each student must take personal responsibility for knowing and following any University protocol related to pandemics and other public health events. Students are expected to follow all directives published by Tennessee Tech on its official webpage. As conditions related to the COVID-19 pandemic change, the University's COVID-19 protocols are also likely to change. Students are expected to monitor the University's official webpage to stay current on public health protocols. Here is the link to the University's official Covid-19 page: https://www.tntech.edu/covid19/

09a. Curriculum and Instruction: 5 Course Changes

Effective Fall 2026

I. Course Changes:

1. **From:**
   ESLP 3100. ESL Pedagogy: Secondary Education Methodology and Materials Lec. 1. Credit 1.
   This course is an integration of concepts fundamental to meeting the needs of students with diverse backgrounds. Particular focus will be given to language and cultural diversity in EL populations in secondary educational settings. The course will explore: research-based instructional strategies, language acquisition theories, stages of language acquisition, WIDA resources and requirements, ESL assessment, laws, and culturally relevant education.

   To:
   ESLP 3100. ESL Pedagogy: Secondary Education Methodology and Materials Lec. 1. Credit 1.
   Examination of research-based methods for teaching English learners in secondary classrooms. Topics include language acquisition, assessment, and literacy development. Emphasis is placed on integrating language and content to support the academic success of all students.

   Update: Course description.

2. **From:**
   ESLP 4100(5100). ESL Methods and Materials for PreK-12. Lec. 3. Credit 3.
   Prerequisite: Full admission to the Teacher Education Program. Current approaches, methodologies, techniques, and materials for teaching ESL primarily in preK-12 situations; developing literacy skills appropriate for age and language proficiency levels.

   To:
   ESLP 4100(5100). ESL Methods and Materials for PreK-12. Lec. 3. Credit 3.
   Prerequisite: Full admission to the Teacher Education Program. Introduction of foundational concepts in second or additional language acquisition, key language theories, and instructional strategies supporting English development in preK–12 classrooms, with emphasis on methods and materials that promote listening, speaking, reading, and writing. A minimum grade of B is required to meet degree requirements for licensure candidates.

   Update: Course description
   Add: B or better grade wording

3. **From:**
ESLP 4200 (5200). ESL Assessment and Writing. Lec. 3. Credit 3.
Prerequisite: Full admission to the Teacher Education Program; ESLP 4100 (5100). Assessing proficiency for ESL placement and eventual integration into school curriculum mainstreaming with special emphasis on language literacy skills: reading and writing. A minimum grade of B is required to meet requirements for licensure candidates.

To:
ESLP 4200 (5200). ESL Assessment and Writing. Lec. 3. Credit 3.
Prerequisite: Full admission to the Teacher Education Program; ESLP 4100 (5100). Assessment in second or additional language acquisition is examined through analysis of tools, procedures, and results, with emphasis on using assessment data to guide instructional decisions that support language development. A minimum grade of B is required to meet degree requirements for licensure candidates.

Update: Course description

4. **From:**
ECED 4275. Internship I Seminar Credit 9.
Corequisite: ECED 4280. Advanced internship seminar course prepares students for immersive engagement in an early childhood agency. Provides necessary preparation for internship placements.

To:
ECED 4275. Internship I Seminar Credit 9.
Prerequisites: Full admission to the Teacher Education Program. Corequisite: ECED 4280. Advanced internship seminar course prepares students for immersive engagement in an early childhood agency. Provides necessary preparation for internship placements. A minimum grade of B is required to meet degree requirements for licensure candidates.

Add: Prerequisite: Full admission to the Teacher Education Program.
Update: Course description to include B or better wording.

5. **From:**
ECED 4280. Early Childhood Internship II Credit 7.
Prerequisites: ECED 4230 (5230). Corequisite: ECED 4275. Continued, supervised work experience in an early childhood related field with professional-level responsibilities.

To:
ECED 4280. Early Childhood Internship II Credit 7.
Prerequisites: ECED 4230 (5230); Full admission to the Teacher Education Program. Corequisite: ECED 4275. Continued, supervised work experience in an

early childhood related field with professional-level responsibilities. A minimum grade of B is required to meet degree requirements for licensure candidates.

Add: Prerequisite: Full admission to the Teacher Education Program.
Update: Course description to include B or better wording.

Note: Graduate level changes will go to GSEC on 3/31/2026.

Justification: To ensure our graduates remain eligible for professional licensure in Tennessee, and to meet current accreditation requirements, we have updated program curricula and course descriptions to reflect current licensure standards. These changes strengthen our focus on academic excellence and professional teacher preparation across multiple content areas.

Financial Impact: None

Effective Date: Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

09b. Curriculum and Instruction: Curriculum/Catalog Changes-Effective Fall 2026

Note-These are additional changes requested to the following PoS (shown in green). Previous changes have already been approved at UCC.

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

   A. **Junior Year Second Semester**
   From:
   FOED 3840. Field Experiences in ESL (credit 1-3; required-1 credit)
   Elective (credit 2)

   Total: 17

   To:
   SPED 4155. Collaborative Practices (credit 2)

   Total: 16

   B. **Senior Year First Semester**
   From:
   Advisor Guided Electives (credit 3)
   ELED 4875. Application of Learning (credit 3)

   Total: 12

   To:
   Advisor Guided Electives (credit 5)
   FOED 3840. Field Experiences in ESL (credit 1-3; required-2 credit)

   Total: 13

2. **Secondary Education, Biology Concentration, B.S. ED.**
   A. **Sophomore Year First Semester**
   From:
   PHYS 1310. Concepts of Physics (credit 3)

   Total: 16

   To:
   PHYS 1090. Concepts of Physics (credit 4)

   Total: 17

B. Senior Year First Semester
From:
Advisor Guided Electives (credit 3)

Total: 14

To:
Advisor Guided Electives (credit 2)

Total: 13

Justification: Changes due to edTPA no longer being required starting Fall 2026. Change in Physics class offered.

Financial Impact: None; **Effective Date:** Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

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

Freshman Year			
Freshman Year First Semester	**Cr. Hrs.**	**Freshman Year Second Semester**	**Cr. Hrs.**
Electives	3	ENGL 1020-English Composition II	3
ENGL 1010-English Composition I	3	HIST 2020-Modern United States History	3
FOED 2050-Education and Technology	3	~~MATH 1420-Geometry Concepts for Teachers~~	~~3~~
HIST 2010-Early United States History	3	~~Natural Sciences (Gen Ed)~~	~~3-4~~
~~MATH 1410-Number Concepts for Teachers~~	~~3~~	Financial & Digital Literacy (Gen Ed)	4
~~Natural Sciences (Gen Ed)~~	~~3-4~~	~~Social/Behavioral Sciences Elective (Gen Ed)~~	~~3~~
Scientific Reasoning (Gen Ed)	4	Social & Behavioral Sciences (Gen Ed)	3
Total: ~~15-16~~ 16		Quantitative Reasoning & Analysis (Gen Ed)	3
		Total: ~~15-16~~ 16	

Sophomore Year			
Sophomore Year First Semester	**Cr. Hrs.**	**Sophomore Year Second Semester**	**Cr. Hrs.**
~~Advisor Guided Electives~~	~~3~~	COMM 2025-Fund of Communication **OR**	3
CUED 3500-Classroom Design & Mngmt for ELED	3	PC 2500-Communicating in the Professions	
~~ENGL 2130-Topics in American Literature **OR**~~	~~3~~	PSY 2210-Educational Psychology	3
~~ENGL 2235-Topics in British Literature **OR**~~		~~Humanities/Fine Arts Elective (Gen Ed)~~	~~6~~
~~ENGL 2330-Topics in World Literature~~		Humanities & Cultural Expression (Gen Ed)	6
Humanities & Cultural Expression (Gen Ed)	3	~~**Select One:**~~	
~~Social/Behavioral Sciences Elective (Gen Ed)~~	~~3~~	~~FREN 1020-Elementary French II **OR**~~	3
Social & Behavioral Sciences (Gen Ed)	3	~~GERM 1020-Elementary German II **OR**~~	
SPED 2010-Introduction to Special Education	3	SPAN 1020-Elementary Spanish II	
~~**Select One:**~~		**Total: 15**	
~~FREN 1010-Elementary French I **OR**~~	3		
~~GERM 1010-Elementary German I **OR**~~			
SPAN 1010-Elementary Spanish I			
Total: 15			

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

Junior Year			
Junior Year First Semester	**Cr. Hrs.**	**Junior Year Second Semester**	**Cr. Hrs.**
ESLP 4100(5100)-ESL Methds and Mtrls PreK-12 **OR** TEAE 4020	3	ECSP 4100-Develop Approp Practices: K-4	3
		~~FOED 3840-Field Experiences in ESL~~	~~1-3 (1~~ required)
FOED 3810-Field Experiences in Education	1-2 (2 required)	~~Elective~~	~~2~~
READ 3320-Literacy Methods	6	READ 3335-Literacy for Exceptional Learners	3
SPED 3001-Inclusive Tchg Practices/Diverse Learners	3	SPED 3015-Applying Univ Learning Principles	2
Select One:		SPED 4155-Collaborative Practices	2
~~FREN 3510-France: The Country & the People~~	3	ENGL 4511(5511)-Intro to Descriptive Linguistics	3
~~GERM 3520-Germany: The Country & the People~~		LING 4511(5511)-Intro to Descriptive Linguistics **O**	
SPAN 3510-Spain: The Country & the People		TEAE 4500 **or**	
SPAN 3550-Latin America: The Countries & the Peopl		ESOL 4400-Foundations of Language for ESOL Educ	
Total: 17		ESLP 4200(5200)-ESL Assesmnt: Rdg & Writing **O** TEAE 4437	3
		Total: ~~17.~~ 16	

Senior Year			
Senior Year First Semester	**Cr. Hrs.**	**Senior Year Second Semester**	**Cr. Hrs.**
Advisor Guided Electives	~~3.~~ 5	ELED 4900-Residency	10
CUED 4725-Data, Assessment, & Evaluation	3	ELED 4925-Application of Teaching	2
~~ELED 4875-Application of Learning~~	~~3~~	**Total: 12**	
FOED 3010-Integrating Inst Tech in the Class	3		
FOED 3840-Field Experiences in ESL	1-3 (2 required)		
Total: ~~12.~~ 13			

~~Note: Students may take any of the following foreign language sequences based on guidelines from the Foreign Language department: 1010 **and** 1020; **OR** 1020 **and** 2010; **OR** 2010 **and** 2020.~~

Note: Natural Science courses may be 3 or 4 credit hours. Three credit hour Natural Science concept courses are recommended. A minimum of eight credit (8) hours is required.

Items in Blue due to Gen Ed Category changes
Items in RED voted on Nov. 13, 2025
Items in GREEN voted on Feb. 12, 2026

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

Freshman Year			
Freshman Year First Semester	**Cr. Hrs.**	**Freshman Year Second Semester**	**Cr. Hrs.**
BIOL 1113-General Biology I	4	BIOL 1123-General Biology II	4
ENGL 1010-English Composition I	3	CHEM 1110-General Chemistry I	4
FOED 2050-Education and Technology	3	~~COMM 2025-Fundamentals of Communication **OR**~~	~~3~~
GEOL 1040-Physical Geology	4	~~PC 2500-Communicating in the Professions~~	
MATH 1530-Introductory Statistics	3	ENGL 1020-English Composition II	3
Total: 17		MATH 1710-Pre-calculus Algebra	3
		~~Social/Behavioral Sciences Elective (Gen Ed)~~	~~3~~
		Social & Behavioral Sciences (Gen Ed)	3
		Total: 17	

Sophomore Year			
Sophomore Year First Semester	**Cr. Hrs.**	**Sophomore Year Second Semester**	**Cr. Hrs.**
BIOL 2310-General Botany	4	BIOL 2010-Human Anatomy and Physiology I	4
~~ENGL 2130-Topics in American Literature **OR**~~	~~3~~	BIOL 3140-Cellular Biology	4
~~ENGL 2235-Topics in Britsh Literature **OR**~~		~~ESLP 3100-ESL Pedagogy: SEED Meth & Materials~~	~~1~~
~~ENGL 2330-Topics in World Literature~~		HIST 2020-Modern United States History	3
Financial & Digital Literacy (Gen Ed)	3	~~Humanities/Fine Arts Elective (Gen Ed)~~	~~3~~
~~FOED 3010-Integrating Instrl Tech into the Class~~	~~3~~	PSY 2210-Educational Psychology	3
HIST 2010 - Early United States History	3	**Total: ~~15~~ 14**	
Humanities & Cultural Expression (Gen Ed)	3		
~~PHYS 1310-Concepts of Physics~~	~~3~~		
PHYS 1090-Concepts of Physics	4		
Total: ~~16.~~ 17			

Junior Year			
Junior Year First Semester	**Cr. Hrs.**	**Junior Year Second Semester**	**Cr. Hrs.**
BIOL 3810-General Genetics	4	BIOL 3120-General Ecology	3
COMM 2025-Fundamentals of Communication **OR**	3	FOED 3820-Field Experiences in Education	1-2 (2required)
PC 2500-Communicating in the Professions		~~Humanities/Fine Arts Elective (Gen Ed)~~	~~3~~
CUED 4400(5400)-Tchg Methods for Phys Sciences	3	Humanities & Cultural Expression (Gen Ed)	3
FOED 3010-Integrating Instrl Tech into the Class	3	SEED 4123(5123)-Mtrls & Mthds of Tchg the Sciences	3
~~MATH 1130-College Algebra **OR**~~	~~3~~	~~Social/Behavioral Sciences Elective (Gen Ed)~~	~~3~~
~~MATH 1710-Pre-calculus Algebra~~		Social & Behavioral Sciences (Gen Ed)	3
~~PSY 2210-Educational Psychology~~	~~3~~	**Total: 14**	
READ 3350-Teaching Reading in Content Areas	3		
Total: 16			

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

Senior Year				
Senior Year First Semester	**Cr. Hrs.**		**Senior Year Second Semester**	**Cr. Hrs.**
Advisor Guided Electives	~~3.~~ 2		SEED 4900-Residency	10
ESLP 3200-Teaching English Learners/SEED Classrm	3		SEED 4925-Application of Teaching	2
FOED 3860-Field Experiences in Education	1-3 (2 required)		**Total: 12**	
~~SEED 4850-Application of Learning~~	~~5~~			
SEED 4875-Application of Learning	3			
SPED 3000-Tchg Prsns w/Disabilities in the Reg Class	3			
Total: ~~**13**~~ ~~**14.**~~ 13				

Items in Blue due to Gen Ed Category changes

Items in RED voted on Nov. 13, 2025

Items in GREEN voted on Feb. 12, 2026

10a1-10a3. Professional Studies

A1. Proposed Changes:
Change the I-credit hour non repeatable to repeatable for credit up to 3 hours

Can be repeated for credit up to 3 hours as long as the topic is different

Justification: The following course numbers listed below is our general Special Topics numbers. Currently it is not repeatable for course credit. In practice, they are used for a variety of courses that do not have permanent course numbers. Students sometimes use this for multiple new course topics and independent study projects, for example. It should be possible to take more than 1 hour using this number for different courses as is the case in our other disciplines. to be repeatable for credit up to 3 hours as long as the topic is different.

PRST 4610, PRST 4611, PRST 4612, PRST 4613, PRST 4614, PRST 4616, PRST 4617, PRST 4618, PRST4619

Cost: None
Effective: Spring 2026

A2. Proposed Changes:
Change the 2-credit hour non repeatable to repeatable for credit up to 6 hours

Can be repeated for credit up to 6 hours as long as the topic is different

Justification: The following course numbers listed below is our general Special Topics numbers. Currently it is not repeatable for course credit. In practice, they are used for a variety of courses that do not have permanent course numbers. Students sometimes use this for multiple new course topics and independent study projects, for example. It should be possible to take more than 2 hours using this number for different courses as is the case in our other disciplines. to be repeatable for credit up to 6 hours as long as the topic is different.

PRST4720, PRST4721, PRST4722, PRST4723, PRST4724, PRST4725, PRST4726, PRST4727, PRST4728, PRST4729

Cost: None
Effective: Spring 2026

A3. Proposed Changes:

Proposed Changes:
Change the3-credit hour non repeatable to repeatable for credit up to 9 hours Can be repeated for credit up to 9 hours as long as the topic is different

Justification: Currently these courses are not repeatable for course credit. In practice, they are used for a variety of courses that do not have permanent course numbers. Students sometimes use this for multiple new course topics and independent study projects, for example. It should be possible to take more than 3 hours using this number for different courses as is the case in our other disciplines. to be repeatable for credit up to 9 hours if the topic is different.

PRST4830, PRST4831, PRST4832, PRST4833, PRST4834, PRST4835, PRST4836, PRST4837, PRST4838, PRST4839

Cost: None
Effective: Spring 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

10b. Professional Studies - 5 Curriculum Changes for Flight Foundations

I. CURRICULUM CHANGE: Revision of the General Education Flight Foundations curriculum for the Bachelor of Science in Professional Studies all concentrations (Desktop Publishing, Health Administration, Information Technology, Organizational Leadership, and Public Safety)

Category	Hours
Quantitative Reasoning and Analysis	3
Humanities and Cultural Expression	6
Historical Foundations	6
Social and Behavioral Sciences	6
Communication	9
Scientific Reasoning	8
Financial and Digital Literacy	3
Total	41

II. JUSTIFICATION:
These changes align the Bachelor of Science in Professional Studies to the new Flight Foundations requirements. Humanities and Cultural Expression was reduced by 3 hours and added to Financial and Digital Literacy. This maintains the rigor and flexibility of the Professional Studies degree for our students, especially transfer students.

III. EFFECTIVE DATE: Fall 2026

IV. FINANCIAL IMPACT: None

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

11. Human Ecology – Course Addition and Curriculum Change

Course Additions:
HEC 3202 Topics in Public Health and Community Nutrition Lec 3. Credit 3.
Prerequisites: HEC 3201 Community Nutrition. Evaluation of community nutrition and public health needs and application of nutrition education practices. Emphasis on nutrition policy at the state and federal levels.

Justification: Due to revised accreditation standards in dietetics education, more emphasis is being placed on community nutrition knowledge. Due to changes in the Flight Foundations requirements, the dietetics curriculum had an extra 3 credits and it was deemed an appropriate time to add this additional course in Community Nutrition. This course will be taught in Spring semesters, and HEC 3201 will be moved to be taught in Fall semesters. See attached syllabus and see attached curriculum plan to show sequence of courses.

Financial Impact: Current faculty have expertise to teach this course and no new resources are needed

Effective Date: Fall 2026

Curriculum Changes in the Nutrition and Dietetics Concentration for Flight Foundations

No Changes in Fall Freshman Year:
Fall Freshman Year should be: ENGL 1010, CHEM 1010, Humanities, HEC 1040, Social/Behavioral for a total of 14 credits

From Spring Freshman Year
13 credits

To Spring Freshman Year
Add Social/Behavioral 3 credits
Spring Freshman Year should be: ENGL 1020, CHEM 1020, HEC 2065, HIST 2010, Social/Behavioral for a total of 16 credits

Total Credits Freshman Year is 14 and 16 = 30 credits

No Changes in Fall Sophomore Year:
Fall Sophomore Year should be: BIOL 2350, HEC 2020, HEC 2240, Quantitative Reasoning Math 1530, for a total of 14 credits

From Spring Sophomore Year
Elective credits 4

To Spring Sophomore Year
Elective credits 3
Spring Sophomore Year should be: COMM 2025 or PC 2500 or NURS 2600, CHEM 3005, Humanities, HIST 2010, Electives 3 credits for a total of 16 credits

Total Credits Sophomore Year is 14 and 16 = 30 credits

From Fall Junior Year
Remove Literature Course
Remove Elective credit

To Fall Junior Year
Add HEC 3201 3 credits
Add HEC HEC 4055 or HEC elective 3 credits

Fall Junior Year should be: HEC 3290, HEC 3215, BIOL 3230, HEC 3201, HEC 4055 or HEC elective for a total of 16 credits

From Spring Junior Year
Remove HEC 3201 3 credits
Remove PSY 1030 3 credits

To Spring Junior Year
Add HEC 3202 3 credits (new course)
Add Financial/Digital Literacy 1 credit
Spring Junior Year should be: HEC 3202, HEC 3270, HEC 3240, HEC 3212, Fin/Digital Lit (1) for a total of 14 credits

Total Credits for Junior Year is 16 and 14 = 30 credits

No Changes in Fall Senior Year
Fall Senior Year should be: HEC 4100, HEC 4200, HEC 4271, HEC 4925, HEC 3011 for a total of 15 credits

No Changes in Spring Senior Year
Spring Senior Year should be: HEC 4272, HEC 4262, HEC 4242, HEC 4945, CHEM 4500 for a total of 15 credits

Total Credits for Senior Year is 15 and 15 = 30 credits
All of these curriculum changes have no financial impact and are effective Fall 2026 for incoming freshmen.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Nutrition and Dietetics

NEW for 2026-2027

Fall Freshman		**Spring Freshman**	
ENGL 1010	3	ENGL 1020	3
CHEM 1010	4	CHEM 1020	4
Humanities/Fine Arts	3	HEC 2065	3
HEC 1040	1	HIST 2010	3
Social/Behavioral Gen Ed	3	Soc/Behavioral	3
	14		16

Fall Sophomore		**Spring Sophomore***	
BIOL 2350	4	CHEM 3005	4
HEC 2020	3	Elective Credit	3
HEC 2240	4	COMM 2025 OR NURS 2600	3
MATH 1530	3	Humanities/Fine Arts	3
		HIST 2020	3
	14		16

*Apply to Upper Division DPD Program minimum 3.0 GPA 3.0

Fall Junior		**Spring Junior**	
HEC 3290	3	HEC 3202 (NEW)	3
HEC 3215	3	HEC 3270	3
BIOL 3230	4	HEC 3240	4
HEC 3201	3	HEC 3212	3
HEC 4055 or HEC Elective	3	Financial/Digital Literacy	1
	16		14

Fall Senior		**Spring Senior**	
HEC 4100	3	HEC 4272	3
HEC 4200	3	HEC 4262	3
HEC 4271	3	HEC 4945	3
HEC 4925	3	HEC 4242	3
HEC 3011	3	CHEM 4500	3
	15		15

12a. Mechanical Engineering – Course Changes

I. COURSE ADDITIONS, DELETIONS, AND CHANGES

A. COURSE CHANGES

1. ME 1015: Engineering Career Readiness

Current: Lec. 1. Lab 2. Cr. 2.
Proposed: Lec. 2 or (Lec. 1. Lab 2) Cr. 2.

Prerequisites: None.

Develop mechanical engineering career readiness through project-based learning. Apply design, analysis, and experimental thinking, teaming, and engineering communication as professional knowledge, skills, and abilities.

JUSTIFICATION

The change to allow the course to be taught as 2 hours of lecture or 1 hour of lecture/2 hours of lab will provide flexibility for different instructors to structure the course in the configuration they prefer. The software used for the course can be installed on students' personal computers, reducing the need for dedicated time in computer labs.

IMPACT ON FACULTY: NONE

EFFECTIVE DATE: Fall 2026

2. ME 3010: Materials & Processes in Manufacturing

Lec. 3. Cr. 3.

Current Prerequisites: ME 2910 or CEE 3110, or MET 2400; CEE 2110 C or better, CHEM 1010 or CHEM 1110 (ME 2910 and ME 3010 may be taken concurrently)

Proposed Prerequisites: CEE 2110 C or better, CHEM 1110

Processing/microstructure/property interrelations; heat treatment of steels and alloys; overview of manufacturing processes; interrelations among materials, design, and manufacturing; and introduction to material selection.

JUSTIFICATION

The current prerequisites of the course were structured so that MET or ME students could take the course. MET students no longer require the course, so the prerequisites are being changed to meet the requirements for the ME students.

IMPACT ON FACULTY: NONE

EFFECTIVE DATE: Fall 2026

3. ME 4020: Applied Machine Design

Current: Lec. 2. Lab 2. Cr. 3.
Proposed: Lec. 3 or (Lec. 2. Lab 2) Cr. 3.

Prerequisites: ME 3610; and ME 4010 or ME 3020

Design for strength and rigidity under dynamic loads; shaft design; design of joints (threaded fasteners, welds, springs, keys, etc.); design of gear trains; lubrication and bearing design; finite element analysis; optimization; and statistical consideration in design.

JUSTIFICATION

The change to allow the course to be taught as 3 hours of lecture or 2 hours of lecture/2 hours of lab will provide flexibility for different instructors to structure the course in the configuration they prefer. The software used for the course can be installed on students' personal computers, reducing the need for dedicated time in computer labs.

IMPACT ON FACULTY: NONE

EFFECTIVE DATE: Fall 2026

12b. Mechanical Engineering – Course Change

I. Course Additions, Deletions, and Changes (ME)

A. Course Changes

1. ME4900: Special Topics

Lec. 1 to 3 hours. Cr. 1 to 3 hours
Prerequisites: Junior or Senior standing

Current Description: Special topics of current interest in mechanical engineering that are not covered in existing courses. ~~Because of the impossibility of duplicating the conditions for a special topic, this course may not be repeated for the improvement of a grade.~~

Proposed Change of Description: Special topics of current interest in mechanical engineering that are not covered in existing courses. ME 4900 is a variable credit course (1-3 credits). Course is repeatable for additional credit, up to 7 credits, if the topic is different.

Justification
Students may take a ME4900 course for 3 credits in a topic, such as Energy and Sustainability, for an AOE option towards their program of study. Then they also may take ME4900 course for 1 credit in a topic, FE Review. These two courses would earn the student 4 hours of credit with the new description, whereas the old

description would replace the 3 credits earned with 1 credit. Indicating a max of 7 credits allows students flexibility to choose two Special Topics for 3 credits each and one Special Topics for 1 credit.

Effective Date: Spring 2026

Financial Impact: None

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

13a. Foreign Languages: New Courses, Course Changes, Curriculum Changes for Flight Foundations

I. Course Additions and Changes

- **1. Add FLST 1015: Introduction to Careers in World Languages (Lec. 3, Credit 3)**
  Introduction to Careers in World Languages familiarizes students with career possibilities in world languages and concepts in language acquisition. The goal is to prepare students for successful development of linguistic competencies, cultural understanding, and career readiness skills. This course will use readings, videos, class discussions, and group work to aid students in the development of these skills.
  - **Prerequisite:** None
  - **Justification:** This course will be the required introductory course for all Foreign Languages majors (Spanish Option 1, Spanish Option 2, International Business and Cultures Track 1, International Business and Cultures Track 2) and will be part of the Department of Foreign Language (DFL)'s new Flight Foundations curriculum. This course familiarizes students with career possibilities in world languages and concepts in language acquisition. The goal is to prepare students for successful development of linguistic competencies, cultural understanding, and career readiness skills.
  - **Financial Impact:** None
  - **Effective date:** Fall 2026

- **2. Add SPAN 4210: How Spanish Works: Theory & Application (Lec. 3, Credit 3)**
  - **Prerequisite:** SPAN 3010
    Provides a foundation in the principal areas of linguistics, specifically focusing on the analysis of the Spanish language. The overall goal of this course is to understand the basic linguistic structures of Spanish. The course begins with an introduction to the scientific study of language, including the human capacity for communication. The course also covers the fundamental knowledge of: the Spanish sound system (phonetics and phonology), the formation of words and sentence structures in Spanish (morphology and syntax), the study of meaning and functional usage of Spanish (semantics and pragmatics). Other topics covered include the history of the Spanish

language, linguistic variation in Spanish, and Spanish in the United States.

- **Justification:** Offering this upper division elective course would provide a more well-rounded curriculum. It would deepen students' knowledge of the Spanish language by preparing them to analyze the language from a scientific perspective in addition to the humanistic perspective already offered in the current curriculum. Second, it enhances students' career readiness by exposing students to the regional and national differences in both vocabulary and pronunciation that they will encounter in the workplace. Lastly, this course responds to students' interest in linguistics-based courses, which has increased over the past few years.
- **Financial Impact:** None
- **Effective date:** Fall 2026

► **3. Change Course Description for SPAN 1015: Spanish for Health Services (Lec. 3, Credit 3)**

- **Current:** The course catalog description for SPAN 1015: Spanish for Health Services reads as follows: "Course restricted to Nursing majors (Special permission is needed from instructor for all other majors.). Spanish language instruction for students entering medical fields. They will learn the Spanish language—development of oral, reading, writing, and listening communication skills–and knowledge of Hispanic culture necessary to be able to communicate with their future Hispanic patients efficiently and effectively. Students may enroll in SPAN 1010 or SPAN 1015, but not both. Native speakers of Spanish may not take this course."
- **Proposed:** The Department of Foreign Languages proposes the elimination of the first sentence of the aforementioned course catalog description, which restricts the class to Nursing majors. This deletion will result in the catalog description reading as follows: "Spanish language instruction for students entering healthcare-related fields. They will learn the Spanish language—development of oral, reading, writing, and listening communication skills–and knowledge of Hispanic culture necessary to be able to communicate with their future Hispanic patients efficiently and effectively. Students may enroll in SPAN 1010 or SPAN 1015, but not both. Native speakers of Spanish may not take this course."
- **Justification:** This deletion will allow any Tennessee Tech student, regardless of their major, to enroll in and take SPAN 1015. This will increase the enrollment numbers in the course and offer a Spanish class especially geared for those students entering healthcare-related fields.
- **Course Additions:** None
- **Course Deletions:** None
- **FInancial Impact:** None
- **Effective Date:** Fall 2026

III. Curriculum Changes and Modifications for BA in Foreign Languages (Spanish Option 1 and Spanish Option 2)

- **1. Expand the course offerings of the "History or Alternate Foreign Language" Additional Program Requirement category as part of the Foreign Languages (Spanish Option 1) Curriculum**

- **Current:** The Foreign Languages Curriculum for Spanish Option 1 has an Additional Program Requirement category titled "History or Alternate Foreign Language." It requires students to complete 6 hours in either an alternate Foreign Language (French or German) or the following History courses: HIST 3710 (Survey of Spanish History) and HIST 4790 (Latin American Studies).
- **Proposed:** The DFL proposes two changes. First, it proposes that the current History course offerings in this category (HIST 3710 and HIST 4790) be eliminated. Second, it proposes that this category be expanded to include the following courses (new additions are noted in parentheses):
    - History - 6 hours (new course additions)
        - HIST 3550 - Ancient Greece and Rome
        - HIST 4354 (5354) – Female Bodies in Western Culture
        - HIST 4520 (5520) - Medieval Europe
        - HIST 4530 (5530) - Renaissance and Reformation
        - HIST 4540 (5540) - Absolutism and Enlightenment
        - HIST 4550 (5550) - French Revolution and Napoleon
        - HIST 4560 (5560) - 19th Century Europe
        - HIST 4620 (5620) - Russia
        - HIST 4630 - History of France
        - HIST 4640 - History of Modern Germany
        - HIST 4710 (5710) - History of Africa
        - HIST 4730 (5730) - The Modern Middle East
        - HIST 4740 (5740) - History of Japan
        - HIST 4750 (5750) - History of China
        - HIST 4770 (5770) – History of India and South Asia
    - Alternate Foreign Language - 6 hours (already approved):
        - FREN 1010, FREN 1020, FREN 2010, or FREN 2020; or GERM 1010, GERM 1020, GERM 2010 or GERM 2020

- **Justification:** First, HIST 3710 and HIST 4790 are no longer offered regularly. Second, given that these two courses center on Spain and Latin America, this proposed change is in alignment with the spirit of the category to allow students to learn about the history of non-English and non-Spanish speaking peoples and cultures. Third, offering a wider range of courses helps students in several ways: a.) The quantity of allowable courses and the regularity with which these courses are offered help avoid scheduling bottlenecks; b.) this change allows students to personalize their course selections to better accommodate their interests; and c.) it adds significant flexibility for both scheduling their classes and completing degree requirements.
- **Financial Impact:** None
- **Effective Date:** Fall 2026

- **2. Include SPAN 1010 - Elementary Spanish I (Lec. 3, Credit 3) and SPAN 1015 - Spanish for Health Services (Lec. 3, Credit 3) as part of the Foreign Languages (Spanish Option 1 and Spanish Option 2) Curricula**
- **Justification:** As equivalent courses (students may take one or the other), SPAN 1010 and SPAN 1015 are set to become foreign language options in the Humanities and Cultural Expressions category of Flight Foundations beginning in Fall 2026. As such, all Tennessee Tech students, regardless of their major, will have the opportunity to study a world language as part of their general education. Additionally, several programs of study (such as English, History, and Political Science) already require the study of a world language, which means that many students of Spanish start their language studies at the 1010 or 1015 level. This proposed change allows students to begin a program of study in Spanish as soon as possible.
- **Financial Impact:** None
- **Effective Date:** Fall 2026

- **3. Update the General Education Requirements for the BA in Foreign Language, concentration in Spanish (Spanish Option 1 and Spanish Option 2)**
- **Justification:** These changes are consistent with the new university Flight Foundations general education core requirements. These include reducing the Scientific Reasoning category to 4 hours, allocating 4 hours for the new Financial & Digital Literacy category, allocating 6 hours for the Humanities & Cultural Expression category (SPAN 1010 or SPAN 1015 will count for 3 credit hours of this category, leaving 6), and eliminating the literature requirement in the Humanities & Cultural Expression category (Foreign Languages majors will still be strongly encouraged to take literature, especially ENG 2330: World Literature). As a result, Foreign Language majors will be able to complete Flight Foundations requirements in a timely manner while benefitting from increased flexibility of course selections.

- **Financial Impact:** None
- **Effective Date:** Fall 2026

Flight Foundations Curriculum (Spanish, Options 1 and 2)

Quantitative Reasoning and Analysis	3 hours
Humanities and Cultural Expression	6 hours PLUS SPAN 1010 or SPAN 1015 {3 er.) = 9 er.
Social and Behavioral Sciences	6 hours
Communication	9 hours
Scientific Reasoning	4 hours
Financial and Digital Literacy	4 hours
Historical Foundations	6 hours
Spanish courses	36 hours including SPAN 1010 or 1015, 1020, 2010, 2020, 3010, 3020, 4920, and FLST 1015 [Students choose 4 additional upper division courses (12 hours)]
General electives	46 hours * * **Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.
Total credit hours:	**120 hours**

Additional Program Requirements (Option 1 only):

- History or Alternate Foreign Language
  - History (6 hours):
    - HIST 3550 - Ancient Greece and Rome
    - HIST 4354 (5354) – Female Bodies in Western Culture
    - HIST 4520 (5520) - Medieval Europe
    - HIST 4530 (5530) - Renaissance and Reformation
    - HIST 4540 (5540) - Absolutism and Enlightenment
    - HIST 4550 (5550) - French Revolution and Napoleon
    - HIST 4560 (5560) - 19th Century Europe
    - HIST 4520 (5520) - Medieval Europe
    - HIST 4530 (5530) - Renaissance and Reformation
    - HIST 4520 (5520) - Medieval Europe
    - HIST 4530 (5530) - Renaissance and Reformation
    - HIST 4540 (5540) - Absolutism and Enlightenment
    - HIST 4550 (5550) - French Revolution and Napoleon
    - HIST 4560 (5560) - 19th Century Europe
    - HIST 4620 (5620) - Russia
    - HIST 4630 - History of France

- HIST 4640 - History of Modern Germany
- HIST 4710 (5710) - History of Africa
- HIST 4730 (5730) - The Modern Middle East
- HIST 4740 (5740) - History of Japan
- HIST 4750 (5750) - History of China
- HIST 4770 (5770) – History of India and South Asia

o Alternate Foreign Language (6 hours):

- FREN 1010, FREN 1020, FREN 2010, or FREN 2020; or GERM 1010, GERM 1020, GERM 2010 or GERM 2020

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Four Year Plan for B.A. Degree in Foreign Languages (Spanish Option 1)

FIRST YEAR			
FALL	**Total hours: 16**	**SPRING**	**Total hours: 16**
SPAN 1010 OR SPAN 1015	3	SPAN 1020	3
ENGL 1010	3	ENGL 1020	3
FLST 1015	3	Quant. Reasoning & Analysis	3
Scientific Reasoning	4	Financial & Digital Literacy	4
Humanities & Cultural Expression	3	Humanities & Cultural Expression	3

SECOND YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 15**
SPAN 2010	3	SPAN 2020	3
Social & Behavioral Sciences	3	Social & Behavioral Sciences	3
HIST 2010	3	HIST 2020	3
Electives*	6	COMM 2025 OR PC 2500	3
		Elective*	3

*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.

THIRD YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 15**
History or Alternate Foreign Lang. (see "Additional Program Reqs.")	3	History of Alternate Foreign Lang. (see "Additional Program Reqs.")	3
SPAN 3010	3	Four upper level SPAN courses	6
SPAN 3020	3	Electives*	6
Electives	6*		
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

FOURTH YEAR			
FALL	**Total hours: 13**	**SPRING**	**Total hours: 15**
Electives*	7	SPAN 4920	3
Two upper level SPAN courses	6	Electives*	12
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

Four Year Plan for B.A. Degree in Foreign Languages (Spanish Option 2)

FIRST YEAR			
FALL	**Total hours: 16**	**SPRING**	**Total hours: 16**
SPAN 1010 OR SPAN 1015	3	SPAN 1020	3
ENGL 1010	3	ENGL 1020	3
FLST 1015	3	Quant. Reasoning & Analysis	3
Scientific Reasoning	4	Financial & Digital Literacy	4
Humanities & Cultural Expression	3	Humanities & Cultural Expression	3

SECOND YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 15**
SPAN 2010	3	SPAN 2020	3
Social & Behavioral Sciences	3	Social & Behavioral Sciences	3
HIST 2010	3	HIST 2020	3
Electives *	6	COMM 2025 or PC 2500	3
		Elective *	3
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

THIRD YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 15**
SPAN 3010	3	Two upper level SPAN courses	6
SPAN 3020	3	Electives *	9

Electives *	9		
* Note: Students must complete 36 hours of upper division courses total to meet university graduation requirements.			

FOURTH YEAR			
FALL	**Total hours: 13**	**SPRING**	**Total hours: 15**
Electives *	7	SPAN 4920	3
Two upper level SPAN courses	6	Electives *	12
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

Department of Foreign Languages

TENNESSEE TECH

SPAN 4210: How Spanish Works: Theory & Application

Instructor: Dr. Michael K. Olsen

E-mail: molsen@tntech.edu

Office hours: TBD

Class schedule: TBD

Required text

- Rei-Doval, G., & Rivas, J. (2025). *Principios de lingüística hispánica*. Georgetown University Press.

Prerequisites: SPAN 3010

Course description

How Spanish Works: Theory & Application provides a foundation in the principle areas of linguistics, specifically focusing on the analysis of the Spanish language. The overall goal of this course is to understand the basic linguistic structures of Spanish. The course begins with an introduction to the scientific study of language, including the human capacity for communication. The course also covers the fundamental knowledge of: the Spanish sound system (phonetics and phonology), the formation of words and sentence structures in Spanish (morphology and syntax), the study of meaning and functional usage of Spanish (semantics and pragmatics). Other topics covered include the history of the Spanish language, linguistic variation in Spanish, and Spanish in the United States.

Enduring Understandings

Students will come to understand that:

- Linguistics is the study of language from a scientific perspective.

- The Spanish language can be described using the fundamental methods of scientific inquiry of observation and analysis.
- The Spanish language is a dynamic system and not simply a set of vocabulary items and grammar rules.

Essential Questions

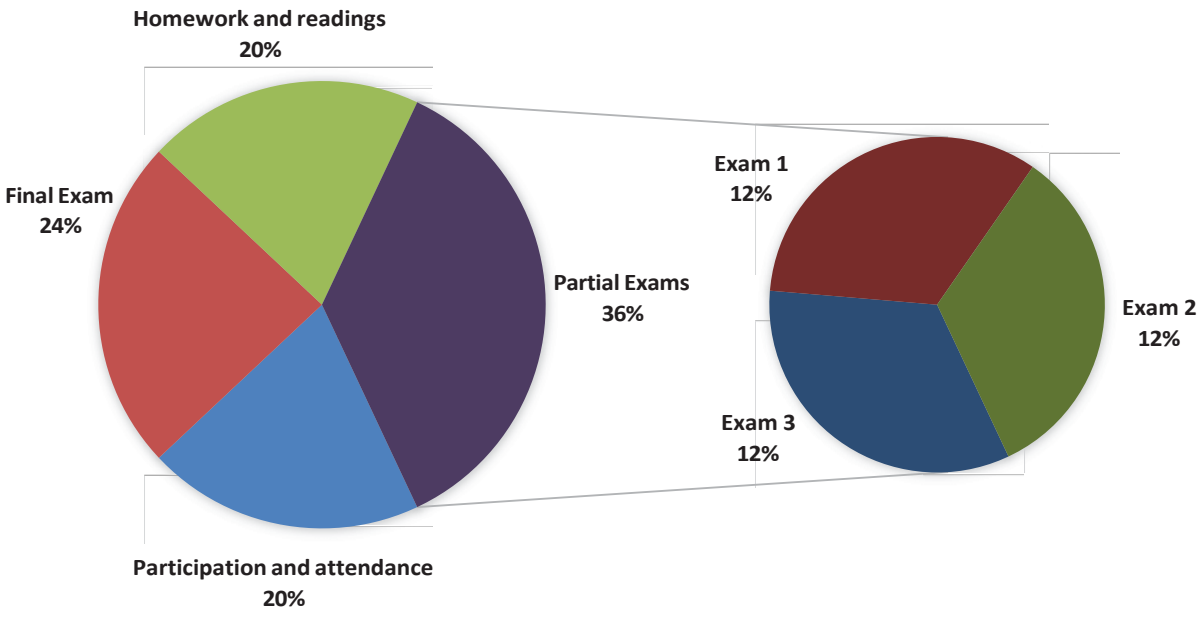
- How can the Spanish language be described?
- How do the different linguistic systems in Spanish work?
- How has Spanish evolved from Latin?
- How does Spanish vary across geographical, social, and temporal boundaries?
- What is the state of Spanish in the United States?

Learning Outcomes

Students will be able to:

- Describe the Spanish language from a linguistics standpoint.
- Apply knowledge of the linguistic systems of Spanish to their professional and private lives.
- Discuss the history of the Spanish language at a rudimentary level.
- Explain how socio-cultural constructs influence language variation.

Evaluation Breakdown



Participation and attendance 20%

1. You will be graded based on your active participation in class activities (whole class, group work, pair work) and use of Spanish. We are here to learn; so contribute with your thoughts and concerns! Respectful behaviour is expected (**no use of cell phones** in the class).

2. Attendance is obligatory. When absent, participation is not possible and therefore results in a loss of participation points. Absences that are justified by a doctor's note are excused. In case of an emergency (i.e., due to grave illness, hospitalization, funeral of a family member, etc.), please let me know as soon as possible by sending me an email. Written documentation/evidence of extenuating circumstances must be given to me within one week of the absence.

3. Arrive on time. Arriving late disrupts the class and you might miss important announcements.

Homework and readings 24%

In order to be successful in the course, you should come to class prepared by having read the Lectura for each day. You should be prepared with a few questions you have about the readings each class period. These questions will contribute to the class discussion.

Entradas are postings on a forum on iLearn that are tied with the reading and discussion for each class period. You will will 1) share something they thought was interesting and 2) pose a question (either for clarification or further inquiry) relating to the reading.

Ejercicios are designed to help you practice and apply the concepts presented in class. Although they are due at the beginning of class the day indicated on the calendar, I suggest that they be completed soon after class periods that cover the topics of the ejercicios. Part of the class periods designated as 'Discusión de ejercicios' in the course calendar are reserved for discussion of the ejercicios. At that time, you will have the opportunity to ask questions about the concepts in the ejercicios. To prepare for theses discussions, you should:

1. type the ejercicios (when possible) and answers
2. print out the ejercicios and answers
3. bring them to class on 'Discusión de ejercicios' days

These steps will allow you to make any corrections and take notes on the ejercicios. You will then turn in the ejercicios at the end of the class period. Ejercicios will be graded with a ✓ (full credit) or a ✓- (half credit). After being graded, I will return the ejercicios so you can study for the exams.

Partial Exams 36%

There will be 3 partial exams covering the topics presented in the course between the previous exam and the exam date listed in the calendar. Make-up exams will not be given without notification and written documentation of your absence and only in cases

of emergency. No exceptions. Do not make any travel plans without checking the class calendar.

Final exam 20%

The final exam will be cumulative. Again, there will be no make-up exams except in cases of emergency. Do not make any travel plans without checking your final exam schedule.

Grading Scale

A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: 0-59

Accessibility Services

Students with a disability requiring accommodations should contact the Accessible Education Center (AEC). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, Room 112; phone 931-372-6119. For details, view the Tennessee Tech's Policy 340 – Services for Students with Disabilities at Policy Central.

Academic Integrity

Maintaining high standards of academic integrity in every class is critical to the reputation of Tennessee Tech, its students, faculty, alumni, and the employers of Tennessee Tech graduates. Academic integrity is at the foundation of the educational process and key to student success. Students with academic integrity are committed to honesty, ethical behavior, and avoiding academic integrity violations. All students must read and understand Policy 216: Student Academic Integrity. Please see the Academic Integrity website (https://www.tntech.edu/provost/academicintegrity) for more information.

Pandemic Protocols

Each student must take personal responsibility for knowing and following any University protocol related to pandemics and other public health events. Students are expected to follow all directives published by Tennessee Tech on its official webpage. As conditions related to the COVID-19 pandemic change, the University's COVID-19 protocols are also likely to change. Students are expected to monitor the University's official webpage to stay up to date on public health protocols.

IMPORTANT: This syllabus is accurate and complete to the best of my knowledge. However, I reserve the right to make midcourse changes to the readings, assignments, or exam dates as needed.

Department of Foreign Languages

TENNESSEE TECH

FLST 1015: Introduction to Careers in World Languages

Course description

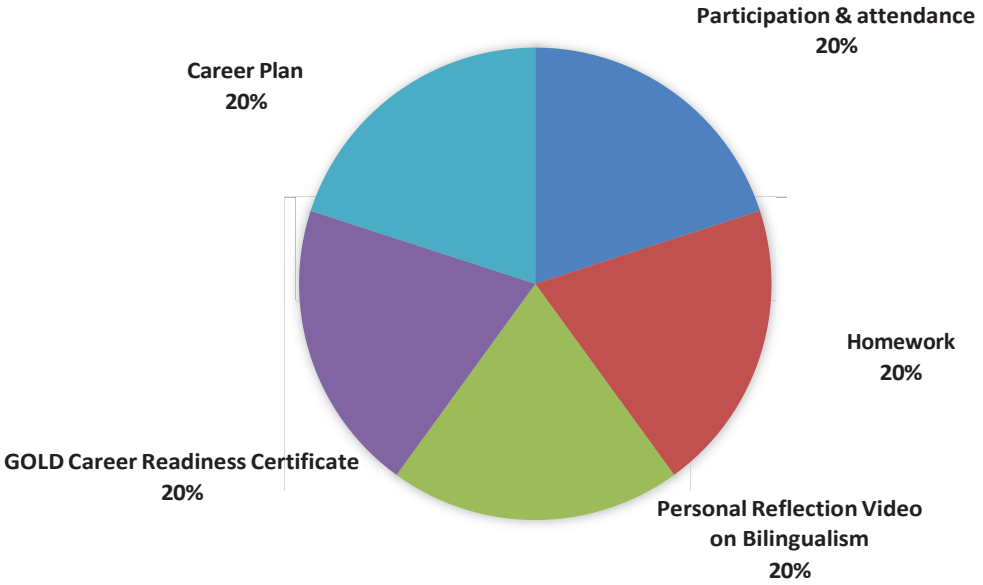
Introduction to Careers in World Languages familiarizes students with career possibilities in world languages and concepts in language acquisition. The goal is to prepare students for successful development of linguistic competencies, cultural understanding, and career readiness skills. This course will use readings, videos, class discussions, and group work to aid students in the development of these skills.

Learning Outcomes

Students will be able to:

- Demonstrate and understanding of the NACE career competencies and their relevance to career readiness by completing the requirements of the Gold Career Readiness Certificate.
- Analyze the benefits of speaking more than one language as it relates to their health, status as global citizens, and earning potential.
- Connect their language learning experience to marketable skills.

Evaluation Breakdown



Participation and attendance 20%

1. You will be graded based on their active participation in class activities (whole class, group work, pair work). We are here to learn; so contribute with your thoughts and concerns! Respectful behavior is expected.

2. Attendance is obligatory. When absent, participation is not possible and therefore results in a loss of participation points. Absences that are justified by a doctor's note are excused. In case of an emergency (i.e., due to grave illness, hospitalization, funeral of a family member, etc.), please let me know as soon as possible by sending me an email. Written documentation/evidence of extenuating circumstances must be given to me within one week of the absence.

3. Arrive on time. Arriving late disrupts the class and you might miss important announcements.

Homework 20%

You will have the opportunity to complete discussion questions and reflection papers to help you prepare for class discussions and reflect on the materials covered in the course.

Personal Reflection Video on Bilingualism 20%

You will have the opportunity to produce a video about yourself and your understanding of the benefits of bilingualism for your well-being, learning, and career applications.

GOLD Career Readiness Certificate 20%

You will have the opportunity to complete the GOLD Career Readiness Certificate through the Center for Career Development. You will create an account in Handshake and complete the components of the certificate in stages throughout the course.

Career Plan 20%

You will have the opportunity to create a career plan that includes goals concerning networking, interning, applying for positions, and interviewing. The plan should also include intermediate goals that will help you achieve your career goals.

Accessibility Services

Students with a disability requiring accommodations should contact the Accessible Education Center (AEC). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, Room 112; phone 931-372-6119. For details, view the Tennessee Tech's Policy 340 – Services for Students with Disabilities at Policy Central.

Academic Misconduct

Maintaining high standards of academic integrity in every class at Tennessee Tech is critical to the reputation of Tennessee Tech, its students, alumni, and the employers of Tennessee Tech graduates. The Student Academic Misconduct Policy describes the definitions of academic misconduct and policies and procedures for addressing Academic Misconduct at Tennessee Tech. For details, view the Tennessee Tech's Policy 217 – Student Academic Misconduct at Policy Central.

Pandemic Protocols

Each student must take personal responsibility for knowing and following any University protocol related to pandemics and other public health events. Students are expected to follow all directives published by Tennessee Tech on its official webpage. As conditions related to the COVID-19 pandemic change, the University's COVID-19 protocols are also likely to change. Students are expected to monitor the University's official webpage to stay up to date on public health protocols.

Grading Scale

A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: 0-59

IMPORTANT: This syllabus is accurate and complete to the best of my knowledge. However, I reserve the right to make midcourse changes to the readings, assignments, or exam dates as needed.

Calendar

This calendar is tentative. You are responsible for checking iLearn and your university email accounts. Assignments, guidelines, and other deadlines will be posted and sent there.

L: Lectura **S:** Supersite **TA:** TalkAbroad

Week	Date	Topic	Out-of-class work
1	[TBD]	Introduction	**Join a campus club**
2	[TBD]	Gold Career Readiness Overview; Students complete TypeFocus Self-Assessment in class	Watch "Applying Career Competencies" at https://isuriz.com. Take Knowledge Test and download certificate of achievement. Upload the Certificate to Handshake documents
3	[TBD]	Principles of Second Language Acquisition	

4	[TBD]	Linguistic development I	Watch Fernald, A. (2014): Why Talking to Little Kids Matters (Video)
5	[TBD]	Resume workshop in class	Create a resume and submit to instructor
6	[TBD]	Interview video workshop in class	
7	[TBD]	Benefits of Bilingualism	Nacamulli, M. (2015): The Benefits of a Bilingual Brain (Video)
8	[TBD]	Benefits of Bilingualism	Bialystok, E., Craik, F. Klein, R. & M. Viswanathan (2004): Bilingualism, Aging, and Cognitive Control: Evidence from the Simon Task
9	[TBD]	ACTFL Standards/Proficiency Descriptors/Can-Do Statements	ACTFL Standards/Proficiency Descriptors/Can-Do Statements
10	[TBD]	Career Plan; Complete My Career Plan Builder on https://isuriz.com and discuss in class	Complete the following sections of the Handshake profile: Major, My Journey, add 2 skills and at least 2 classes.
11	[TBD]		Submit Gold Career Readiness Certificate application
12	[TBD]	1 week for Spring Break/Thanksgiving	
13	[TBD]	Career Specific Exploration	
14	[TBD]	Career Specific Exploration	
15	[TBD]	Career Specific Exploration	Career Plan
Finals	[TBD]		

13b. Foreign Languages - Program Name Change

I. **Change the name of International Business and Cultures (IBAC) to International Commerce and Cultures (ICC)**
   - **Current:** The degree program under consideration is currently called International Business and Cultures (IBAC)
   - **Proposed:** The DFL, which hopes to house this program (see item II. above), wishes to change the name of this degree program to International Commerce and Cultures
   - **Justification:** Per auditing and accreditation restrictions, "business" cannot be in the name of a program that is not housed in the College of Business. The proposed substitute, "commerce," respects this restriction while also reflecting the interdisciplinary and business focus of the program.
   - **Financial Impact:** None
   - **Effective Date:** Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Department of Foreign Languages

TENNESSEE TECH

MEMORANDUM

To: Dr. John Liu, Provost and VPAA

Via: Dr. Daren Snider, Dean of the College Arts & Sciences

Via: Dr. Thomas Payne, Dean of the College of Business

From: Dr. Allan Mills, Acting Chair of the Department of Foreign Languages

Date: March 2, 2026

Re: International Business and Cultures (IBAC) to move to the Department of Foreign Languages

International Business and Cultures (IBAC) is a joint-degree program, shared by the College of Business and the College ofArts and Sciences, which prepares students to navigate the complexities of global markets and the cross-cultural workplace. Students learn about international trade, global economics, foreign regulations, and intercultural communication while developing their language skills.

The College ofBusiness and the College ofArts & Sciences have agreed that effective Fall 2026 the IBAC degree program will be housed within the Department of Foreign Languages in the College ofArts & Sciences.

13c. Foreign Languages: 1 New Course, Curriculum Change for Flight Foundations

I. Course Additions

ICC 4980 - Students either A) engage in a semester-long, internship experience in a business environment or B) prepare a research project related to a global business topic. In both instances, students will enhance their foreign language skills and cultural awareness as they relate to international commerce and the global marketplace.

- **Proposed:** ICC 4980 Applied Professional Experience (Credits 3-10) Prerequisite: Senior standing; consent of advisor. Semester-long, practical experience with international trade or commerce.
- **Justification:** The name change specifies the purpose of the course, while the description removes the requirement for approval from the IBC Executive Committee, a body which hasn't convened in over a decade, and which will no longer be necessary if IBAC (ICC, see Item II. below) is housed in the DFL.
- **Financial Impact:** None
- **Effective Date:** Fall 2026
- **Syllabus is present after degree maps**

IV. Curriculum Changes and Modifications for International Commerce and Cultures (ICC) [formerly known as International Business and Cultures (IBAC)] Track 1 and Track 2

- **1. Update the Required Business Courses in Track 1 (American Students)**

  - **Current:** The following 3 credit hour courses are currently part of Track 1:
    - ACCT 2110 : Principles of Managerial Accounting
    - ACCT 2120: Principles of Financial Accounting
    - BMGT 3510: Management & Organizational Behavior
    - BMGT 3600: International Management
    - BMGT 4930: Business Strategy
    - DS 2810: Computer Applications in Business
    - ECON 3610: Business Statistics
    - ECON 4120 or ECON 4200: Natural Resource Economics or EnvironmentalE Economics
    - ECON 4510: International Trade and Finance
    - FIN 3210: Principles of Managerial Finance
    - FIN 4910: Multinational Financial Management
    - MKT 3400: Principles of Marketing
    - MKT 4100: International Marketing
    - ECON 2010: Principles of Microeconomics
    - ECON 2020: Principles of Macroeconomics

- 1. ECON 3320 (Money and Banking) or 2. ECON 3810 (Intermediate Microeconomics) or 3. ECON 3820 (Intermediate Macroeconomics)
- Business Elective
    - Total: 51 hours

■ **Proposed:** The following 3 credit hour courses are proposed for the revised Track 1:

- Required Business courses
- ACCT 3720: Survey of Accounting
- BMGT 3510: Management & Organizational Behavior
- ECON 2010: Principles of Microeconomics
- ECON 2020: Principles of Macroeconomics
- ECON 3610: Business Statistics
- MKT 3400: Principles of Marketing
- FIN 3210: Principles of Managerial Finance

- Business Electives—Select **2** of the following courses:
- BMGT 3600: International Management
- MKT 4100: International Marketing
- ECON 4510: International Trade and Finance
- FIN 4910: Multinational Financial Management
- MKT 3900: Entrepreneurship/Small Business
- ECON 3320: Money and Banking
- ACCT 4600: Forensic Accounting and Fraud Auditing
    - Total: 27 hours

■ **Justification:** The Bachelor of Science in International Business and Cultures was implemented in fall 1997 as a joint major between the College of Business (COB) and the College of Arts and Sciences (CAS). The COB had approved curriculum changes in fall 2021 in their undergraduate curriculum committee and again in spring 2023; however, these necessary changes were not moved forward to the University Curriculum Committee. Currently, the accrediting body of the College of Business (the Association to Advance Collegiate Schools of Business-AACSB) will not approve of the IBAC program as it stands. The IBAC program, therefore, will be moved to the Department of Foreign Languages (see the DFL memo) and these curricular modifications reflect changes that will allow Tennessee Tech to retain this attractive program; namely, to reduce the required business courses to less than 30 credit hours.

■ **Financial Impact:** None

■ **Effective Date:** Fall 2026

► **2. Update the Required Business Courses in Track 2 (International Students)**

■ **Current:** The following 3 hour courses are currently part of Track 2:

- ACCT 2110: Principles of Managerial Accounting
- ACCT 2120: Principles of Financial Accounting
- BMGT 3510: Management & Organizational Behavior

- BMGT 3600: International Management
- BMGT 3720: Business Communications
- DS 2810: Computer Applications in Business
- DS 3520: Operations Management
- ECON 3610: Business Statistics
- ECON 4310: Labor Economics
- ECON 4510: International Trade and Finance
- FIN 3210: Principles of Managerial Finance
- FIN 4910: Multinational Financial Management
- LAW 2810: Business Legal Environment & Ethics
- MKT 3400: Principles of Marketing
- ECON 2010: Principles of Economics
- ECON 2020: Principles of Macroeconomics
- 1. ECON 3320 or 2. ECON 3810 or 3. ECON 3820: 1. Money and Banking or 2. Intermediate Microeconomics or 3. Intermediate Macroeconomics
    - Total: 51 hours

- **Proposed:** The following 3 hour courses are proposed for the revised Track 2:
    - Required Business courses
    - ACCT 3720: Survey of Accounting
    - BMGT 3510: Management & Organizational Behavior
    - ECON 2010: Principles of Microeconomics
    - ECON 2020: Principles of Macroeconomics
    - ECON 3610: Business Statistics
    - MKT 3400: Principles of Marketing
    - FIN 3210: Principles of Managerial Finance

    - Business Electives—Select **2** of the following course:
    - BMGT 3600: International Management
    - MKT 4100: International Marketing
    - ECON 4510: International Trade and Finance
    - FIN 4910: Multinational Financial Management
    - MKT 3900: Entrepreneurship/Small Business
    - ECON 3320: Money and Banking
    - ACCT 4600: Forensic Accounting and Fraud Auditing
        - Total: 27 hours
- **Justification:** The IBAC program was implemented in fall 1997 as a joint major between the College of Business (COB) and the College of Arts and Sciences (CAS). The COB had approved curriculum changes in fall 2021 in their undergraduate curriculum committee and again in spring 2023; however, these necessary changes were not moved forward to the University Curriculum Committee. Currently, the accrediting body of the College of Business (the Association to Advance Collegiate Schools of Business-AACSB) will not approve of the IBAC program as it stands. The IBAC program, therefore, will be moved

to the Department of Foreign Languages (see Item II. of the present memo) and these curricular modifications reflect changes that will allow Tennessee Tech to retain this attractive program; namely, to reduce the required business courses to less than 30 credit hours.

- **Financial Impact:** None
- **Effective Date:** Fall 20206

- **3. Update the World Studies Electives in Track 1 (American Students) and increase the required credit hours from 6 to 12 hours.**
- **Current:** The following 3 credit hour courses fulfill the current 6 required credit hours:
  - ENGL 4720: Continental Literature
  - FLST 3520: Cultures/People North Africa
  - FREN 3510: France-Country and People
  - GERM 3520: Germany-Country and People
  - SPAN 3510: Spain-Country and People
  - SPAN 3550: Latin America: Country and People
  - Any upper-division Spanish class not used for the foreign language requirement
  - GEOG 1012: Cultural Geography
  - GEOG 1130: Geography of Natural Hazards
  - GEOG 2010 **[no longer offered]**
  - GEOG 3200: Water Resources
  - HIST 4440-4449: Film Studies
  - HIST 4550: French Revolution and Napoleon
  - HIST 4560: 19th Century Europe
  - HIST 4570: World War II and the Cold War
  - HIST 4620: Russia
  - HIST 4630: History of France
  - HIST 4640: History of Modern Germany
  - HIST 4710: History of Africa
  - HIST 4730: The Modern Middle East
  - HIST 4740: History of Japan
  - HIST 4750: History of China
  - HIST 4790-4799: Latin American Studies
- **Proposed:** The following 3 credit hour courses are proposed to fulfill the new 12 required credit hours (NOTE: Courses in bold are new options for the World Studies category)
  - **ENGL 2330: Topics in World Literature**
  - **ENGL 4713: Native American Literature**
  - ENGL 4720: Continental Literature
  - **ENGL 4751: Topics in Non-Western Lit**
  - FLST 3520: Cultures/Peoples-North Africa
  - FREN 3510: France-Country and People

- GERM 3520: Germany-Country and People
- SPAN 3510: Spain-Country and People
- SPAN 3550: Latin America: Country and People
- Any upper-division Spanish class not used for the foreign language requirement
- GEOG 1012: Cultural Geography
- GEOG 1130: Geography of Natural Hazards
- GEOG 3200: Water Resources
- **HIST 3550: Ancient Greece and Rome**
- **HIST 4354: Female Bodies in Western Culture**
- HIST 4440-4449 Film Studies
- **HIST 4520 Medieval Europe**
- **HIST 4530 Renaissance and Reformation**
- **HIST 4540 Absolutism and Enlightenment**
- HIST 4550 French Revolution and Napoleon
- HIST 4560 19th Century Europe
- HIST 4570 World War II and the Cold War
- HIST 4620 Russia
- HIST 4630 History of France
- HIST 4640 History of Modern Germany
- **HIST 4650 England to 1688**
- **HIST 4660 Modern England**
- **HIST 4665 World War I**
- **HIST 4680 The Holocaust**
- **HIST 4690 British Empire and the Commonwealth**
- HIST 4710 History of Africa
- HIST 4730 The Modern Middle East
- HIST 4740 History of Japan
- HIST 4750 History of China
- **HIST 4760 Vietnam: Its Wars & Aftermath**
- **HIST 4770 History of India and South Asia**
- HIST 4790-4799 Latin American Studies

- **Justification:** The course options for the World Studies Electives have not been updated in many years. After consulting with different departments, the update includes deleting courses no longer offered regularly and the addition of other courses that fall within an international focus.
- **Financial Impact:** None
- **Effective Date:** Fall 2026

► **4. Update the American Studies in Track 2—12 hours (International Students)**

- **Current:** The following 3 credit hour courses fulfill the 12 hour requirement:
  - ENGL 4610 Novel
  - ENGL 4830 Southern Literature

- HIST 4010 Colonial / Revolutionary Periods
- HIST 4020 The Young Republic 1789-1849
- HIST 4030 Civil War and Reconstruction
- HIST 4050 Transform / Mod Am, 1877-1912
- HIST 4060 Postwar America, 1945-present
- HIST 4200 The Old South
- HIST 4210 The New South
- HIST 4230-4239 Topics / U.S. Economic History
- HIST 4250 American Western Movement
- HIST 4330-4339 Religious Studies
- HIST 4360- 4369 U.S. Social History
- HIST 4380 Black Women in U.S. History
- POLS 4210 American Political Parties

■ **Proposed:** The following 3 credit hour courses are proposed to fulfill the required 12 credit hours (NOTE: Courses in bold are new options for the American Studies category):

- **ENGL 3910 American Literature I**
- **ENGL 3920 American Literature II**
- **ENGL 4310 Early American Literature**
- **ENGL 4320 19th Century American Lit**
- **ENGL 4330 Modern American Lit**
- **ENGL 4340 Topics in American Lit**
- **ENGL 4561 American English**
- **ENGL 4712 African American Literature**
- **ENGL 4713 Native American Literature**
- **ENGL 4820 Upper Cumberland Folklore**
- ENGL 4830 Southern Literature
- **GEOG 1012 Cultural Geography**
- **HIST 3360 American Military History**
- **HIST 3900 Environmental History**
- **HIST 3910 Intro./American Indian Studies**
- HIST 4010 Colonial / Revolutionary Periods
- HIST 4020 The Young Republic 1789-1849
- HIST 4030 Civil War and Reconstruction
- HIST 4050 Transform / Mod Am, 1877-1912
- **HIST 4090 20th Century U.S. Popular Culture**
- **HIST 4091-4099 Studies in Popular Culture**
- **HIST 4110-4119 Appalachian History/Culture**
- HIST 4200 The Old South
- HIST 4210 The New South
- HIST 4230-4239 Topics / U.S. Economic History
- HIST 4250 American Western Movement
- HIST 4330-4339 Religious Studies

- HIST 4360-4369 U.S. Social History
- HIST 4380 Black Women in U.S. History
- **HIST 4390-4399 Topics: African Am Studies**
- **HIST 4881-4889 Studies in Legal History**
- **POLS 3200 American Political Thought**
- POLS 4210 American Political Parties
- **SOC 4610 Contemporary American Family**

- **Justification:** The course options for the American Studies Electives have not been updated in many years. After consulting with different departments, the update includes deleting courses no longer offered regularly and the addition of other courses that fall within an American focus.
- **Financial Impact:** None
- **Effective Date:** Fall 2026

- **5. Update the General Education requirement for the B.S. in ICC (formerly IBAC), tracks 1 and 2.**
- **Justification:** These changes are consistent with the new university Flight Foundations general election core requirements. These include reducing the Scientific Reasoning Category to 4 hours, allocating 4 hours for the new Financial and Digital Literacy category, and allocating 6 hours for the Humanities & Cultural Expression category for Track 1 (SPAN 1010 or SPAN 1015 will count for 3 credit hours of this category, leaving 6) and 9 hours for the Humanities & Cultural Expressions category for Track 2.
- **Financial Impact**: None
- **Effective Date**: Fall 2026

Flight Foundations Curriculum [ICC (formerly IBAC) Track 1—American Students]

Quantitative Reasoning and Analysis	3 hours
Humanities and Cultural Expression	6 hours
Social and Behavioral Sciences	6 hours
Communication	9 hours
Scientific Reasoning	4 hours
Financial and Digital Literacy	4 hours
Historical Foundations	6 hours
Business Courses	21 hours
Applied Professional Experience	3 hours (ICC 4980)
Business Electives	6 hours *
Foreign Language Courses	24 hours
World Studies Electives	12 hours *
General Electives	16 hours *
Total Credit Hours	**120 hours**

*** Note:** Students must complete 36 hours of upper division courses total to meet university graduation requirements.
Additional Program Requirements for Degree Works: FLST 1015 , ECON 2010, ECON 2020, Math 1530, Math 1710

Flight Foundations Curriculum [ICC (formerly IBAC), Track 2—International Students]

Quantitative Reasoning and Analysis	3 hours
Humanities and Cultural Expression	9 hours
Social and Behavioral Sciences	6 hours
Communication	9 hours
Scientific Reasoning	4 hours
Financial and Digital Literacy	4 hours
Historical Foundations	6 hours
Business Courses	27 hours
Business Electives	6 hours
Applied Professional Experience	3 hours (ICC 4980)
American Studies Electives	12 hours*
General Electives	31 hours*
Total Credit Hours	**120 hours**
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.	
Additional Program Requirements for DegreeWorks: FLST 1015, ECON 2010, ECON 2020, Math 1530, Math 1710	

Four Year Plan for B.S. Degree in International Commerce and Cultures (ICC) [formerly known as International Business and Cultures (IBAC)], Track 1

FIRST YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 16**
SPAN 1010 OR SPAN 1015	3	SPAN 1020	3
ENGL 1010	3	ENGL 1020	3
FLST 1015	3	HIST 2020	3
HIST 2010	3	MATH 1710	3

MATH 1530	3	Scientific Reasoning	4

SECOND YEAR			
FALL	**Total hours: 16**	**SPRING**	**Total hours: 15**
COMM 2025 or PC 2500	3	ECON 2020	3
SPAN 2010	3	SPAN 2020	3
ECON 2010	3	ACCT 3720	3
Fin and Digital Reasoning	4	World Studies Elective *	3
Humanities & Cultural Expression	3	Humanities & Cultural Expression	3
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

THIRD YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 15**
SPAN 3010	3	SPAN 3020	3
BMGT 3510	3	FIN 3210	3
ECON 3610	3	Business elective *	3
Social and Behavioral Sciences	3	Social and Behavioral Sciences	3
MKT 3400	3	World Studies Electives *	3
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

FOURTH YEAR

FALL	Total hours: 12	SPRING	Total hours: 16
SPAN 3200	3	ICC 4980	3-10
Business elective *	3	World Studies Elective *	3
World studies elective *	3	General electives *	10
General electives *	3		
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

Four Year Plan for B.S. Degree in International Commerce and Cultures, [formerly known as International Business and Cultures (IBAC)], Track 2

FIRST YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 16**
FLST 1015	3	ENGL 1020	3
ENGL 1010	3	POLS 1030	3
HIST 2010	3	HIST 2020	3
ANTH 1100 or SOC 1010	3	MATH 1710	3
MATH 1530	3	Scientific Reasoning	4

SECOND YEAR			
FALL	**Total hours: 16**	**SPRING**	**Total hours: 15**
COMM 2025 or PC 2500	3	HIST 2320	3
HIST 2310	3	ECON 2020	3
ECON 2010	3	ACCT 3720	3

Fin and Digital Literacy	4	RELS 2010 or SOC 2110	3
ENGL 2130	3	HEC 2010	3

THIRD YEAR			
FALL	**Total hours: 12**	**SPRING**	**Total hours: 15**
POLS 3200	3	GEOG 1130	3
BMGT 3510	3	FIN 3210	3
ECON 3610	3	Business Elective*	3
MKT 3400	3	American Studies Electives*	6
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

FOURTH YEAR			
FALL	**Total hours: 15**	**SPRING**	**Total hours: 16**
American Studies Electives *	6	ICC 4980	3-10
Business elective *	3	General electives *	13
General electives *	6		
*** Note:** Students must complete 36 hours of upper division courses total as part of the university's graduation requirements.			

Tennessee Tech University
Department of Foreign Languages
ICC 4980.01 (Applied Professional Experience) [3-10 credits]

Instructor information

Name:
Ofice:
Telephone number:
Ofice hours:
Campus E-mail:

Course information

Prerequisites: Junior or Senior Standing; consent of advisor

Required texts: None

Course description: Students either A) engage in a semester-long, internship experience in a business environment or B) prepare a research project related to a global business topic. In both instances, students will enhance their foreign language skills and cultural awareness as they relate to international commerce and the global marketplace.

Student Learning Outcomes:

A) Internship option: During the internship experience, students will
1. Experience irst hand how a foreign language is used in a business setting
2. Improve their speaking, reading, writing and listening skills in the target language
3. Learn to practice professional interactions with people from diverse cultural backgrounds

B) Research project option:. During the semester, students will
1. Improve their speaking, reading, writing and listening skills in the target language
2. Manage, analyze, and synthesize multiple types of business-related information in the target language
3. Craft a well-developed, faculty-approved business topic (with prospectus, paper, and presentation in front of peers)

Requirements

A) Internship option
Students will
1. Work at least 90 hours in a pre-approved business setting. Students who have secured an internship abroad for a semester can earn up to 3 credits with approval from their advisor
2. Keep a professional journal or blog in the target language. All journal entries must be at least one-page long, typed and double spaced
3. Prepare a 15–20-minute presentation on their experience in the target language

4. Produce a inal report detailing what they've learned about the global aspects of the company and industry where they interned and how they plan to incorporate this knowledge in their career. This report will be shared with the organization where the student interns

B) Research project option
Students will prepare materials and engage in a series of activities to improve foreign language proiciency. They will conduct the following assignments:
1. A baseline self-assessment essay addressing current weaknesses, strengths, and progress made during their program of study.
2. Five oral presentations of 5-10 minutes each in the target language related to a chosen enterprise or non-proit organization as follows:

a. Present the enterprise/organization and explain what it does
b. Research and explain the history of the enterprise/organization
c. Develop a hypothetical marketing campaign for the enterprise/organization
d. Explain and comment on two broadcasts or news reports, listened to or watched in the target language and related to the enterprise/organization's industry or ield
e. Explain and comment on two written news stories from an on-line journal or print media related to the enterprise/organization's industry or ield

4. A inal, two-part research-based project on the enterprise/organization approved by and developed with the instructor.

Part 1: A written report which explores the cultural context(s) within which the chosen enterprise/organization operates. The report should be 5-10 pages, double-spaced, font size 12 and use APA citation style
Part 2: A 15-20 minute presentation (including Q&A) for faculty and students based on the written report

Assessment: The student will work closely with the assigned faculty member, who will provide feedback to the student and instruction/help in problem areas and assign grades. The Department of Foreign Languages faculty will provide input on the oral presentation using an agreed-upon rubric.

Grading: Final grades will be calculated as follows:

Internship Option:
Workplace participation: 50%
Journal: 30%
Final report: 20%

Research Project Option:
Self-assessment: 10%
Short presentations: 30%
Final presentations: 30%
Final paper: 30%

Course policies

Attendance policy

Students must work or attend class meetings as scheduled. Instructors will receive feedback from the internship workplace and efectiveness of the student in it. If unable to work, students must inform their instructors or workplace managers ahead of time. Absences should be for unavoidable emergencies only. Hours may be made up or meetings rescheduled, if necessary.

Academic Integrity Policy

Maintaining high standards of academic integrity in every class is critical to the reputation of Tennessee Tech, its students, faculty, alumni, and the employers of Tennessee Tech graduates. Academic integrity is at the foundation of the educational process and key to student success. Students with academic integrity are committed to honesty, ethical behavior, and avoiding academic integrity violations. All students must read and understand Policy 216: Student Academic Integrity. Please see the Academic Integrity website (**https://www.tntech.edu/provost/academicintegrity**) for more information.

Additional Resources

Disability Accommodation

Students with a disability requiring accommodations should contact the accessible education center (AEC). An accommodation request (AR) should be completed as soon as possible, preferably by the end of the irst week of the course. The AEC is located in the Roaden University Center, room 112; phone 931-372-6119. For details, view Tennessee Tech's policy 340 – services for students with disabilities at policy central.

Counseling Center

The Counseling Center ofers brief, short-term, solution-focused therapeutic interventions for Tennessee Tech University students. The staf of the Counseling Center is available to assist students with their personal and social concerns in hopes of helping them achieve satisfying educational and life experiences. To learn more or schedule an appointment, visit the Counseling Center website.

Health Services

Health Services ofers high-quality, afordable care that is accessible and promotes the health and wellness of our Tennessee Tech community. Visit the Health Services website to learn more.

14a1-14a3. Mathematics – 1New Course, 2 Course Changes

A1. Course Addition. The Mathematics Department proposes the addition of a new course.

MATH 4810/5810: Mathematical introduction to quantum computing Lec. 3 Cr. 3

Prerequisite: C or better in Math 2010 or consent of instructor.

Course Description: Fundamental concepts of quantum computing presented with the necessary mathematical background. Special attention will be given to the fundamental concepts such as the basic mathematical model of quantum probability and quantum systems: quantum states, Bloch sphere, classical reversible computation model, quantum computation model: qubits, quantum gates and measurement, basic quantum algorithms: Deutsch-Josza's, Grover's, quantum Fourier transform and Shor's algorithm.

Justification: Quantum computing is a rapidly expanding area of research that takes advantage of quantum mechanical effects to efficiently perform computations that are not feasible on classical computers. As a mathematics department we are uniquely equipped to teach a course on the foundations of quantum computing. The mathematical tools needed for such foundations are linear algebra, analysis and geometry, as well as computation theory: most of these are standard courses in our department. Quantum computing is also a perfect platform to demonstrate that mathematical abstractions (such as linear algebra over finite fields) are more than just curiosities. This course will provide an introduction to quantum computing for computers science, mathematics, physics and engineering majors. The only prerequisite is basic knowledge of matrix algebra. This course has been taught twice at TTU as a special topics course, both times with very good enrollment. The majors ranged from mathematics to engineering and physics. I have also taught an abridged version of this course to graduate students at Tokyo Institute of Technology (currently Institute of Science Tokyo) in Tokyo, Japan two times.

Attachment: Proposed Syllabus for Math 4810/5810 – Mathematical introduction to quantum computing

Financial Impact: No additional cost is associated with this new course proposal.

Effective Date: Fall 2026

Tennessee Technological University
Mathematics Department

Mathematical introduction to quantum computing, MATH 4810/5810

I. COURSE DESCRIPTION:

Fundamental concepts of quantum computing presented with the necesssary mathematical background. Special attention will be given to the fundamental concepts such as the basic mathematical model of quantum probability and quantum systems: quantum states, Bloch sphere, classical reversible computaion model, quantum computation model: qubits, quantum gates and measurement, basic quantum algorithms: Deutsch-Josza's, Grover's, quantum Fourier transform and Shor's algorithm. Lec. 3. Cr. 3.

II. PREREQUISITE(S):

C or better in MATH 2010 or consent of the instructor.

III. COURSE OBJECTIVE(S):

To provide knowledge of the quantum computing model and basic quantum algorithms.

IV. STUDENT LEARNING OUTCOMES:

Upon successful completion of the course students will be able to
1. Describe how and understand why the quantum computing model offers computation advantages over the classical one
2. Describe basic quantum algorithms, includint Grover's and Shor's
3. Define and determine the efficiency of quantum algorithms and compare it to that of classical ones

V. TOPICS TO BE COVERED:

(1) Basic formalism of quantum mechanics and Bell's inequality
(2) Linear algebra: Dirac's notation, tensor products, unitary operators and projections, Bloch's sphere
(3) Basic classical computation theory and reversible computing
(4) Simple quantum algorithms, quantum gates, quantum key exchange, and quantum teleportation, the 'no cloning' theorem
(5) Basic quantum algorithms: Grover's, Deutsch-Josza, etc.
(6) Quantum Fourier transform and introduction to Shor's algorithm

VI. POSSIBLE TEXTS AND REFERENCES:

Quantum computing: a gentle introduction by E. Rieffel and W. Polak, as well as a survey article by V. Kitaev.

VII. ANY TECHNOLOGY THAT MAY BE USED:

VIII. ADDITIONAL INFORMATION:

Graduate credit is earned on the basis of additional work required by the instructor.

IX. STUDENT ACADEMIC MISCONDUCT POLICY:

Maintaining high standards of academic integrity in every class at Tennessee Tech is critical to the reputation of Tennessee Tech, its students, alumni, and the employers of Tennessee Tech graduates. The Student

Academic Misconduct Policy describes the definitions of academic misconduct and policies and procedures for addressing Academic Misconduct at Tennessee Tech. This includes the university plagiarism policy and cheating. For details, view the Tennessee Techs Policy 217 Student Academic Misconduct at Policy Central.

X. DISABILITY ACCOMMODATION:

Students with a disability requiring academic adjustments and accommodations must contact the Accessible Education Center (AEC). AEC is located in the Roaden University

A2. Mathematics

Course Change From:

MATH 1830. Applied Calculus.
Lec. 3. Credit 3.
Prerequisites: ACT mathematics score of 25 or above and three years of high school mathematics, including algebra and geometry; or, special permission of the Mathematics Department; or, C or better in MATH 1130 or MATH 1710 or equivalent.
Course description:
A survey of limits, continuity, and the differential and integral calculus with applications in business, economics and the life sciences.

To:

MATH 1830. Applied Calculus.
Lec. 3. Credit 3.
Prerequisites: ACT mathematics score of 25 or above and three years of high school mathematics, including algebra and geometry; or, special permission of the Mathematics Department; or, C or better in MATH 1130 or MATH 1710 or equivalent.
Course description:
An introduction to limits, continuity, and differential and integral calculus with applications in business, economics and the life sciences.

Justification:

Medical schools do not accept "survey" courses and the language of the current course description for MATH 1830 seems to indicate that this is a survey course. Changing the course description to avoid the word survey may help avoid some confusion about this matter.

Financial Impact: No additional cost is associated with these changes.

Effective Date: Fall 2026

A3. Mathematics: Course Change

MATH 1710: Precalculus Algebra Cr. 3

Credit hours:
From: Cr. 3

To: Cr. 3 Lec. 2 Lab 2

Justification: Data shows that success in MATH 1710 is directly related to time spent working through problems and related material. Incorporating required lab time would give students the opportunity to work on problems in a supervised setting allowing them to rapidly access help and improve their chances of success.

Prerequisite:
From: A minimum ACT Math sub-score of 19, OR a minimum grade of C in MATH 1000.

To: A minimum ACT Math sub-score of 19, OR a minimum grade of C in MATH 1000 or MATH 1630.

Justification: The addition of MATH 1630 as a prerequisite gives students more options as both courses cover the essential skills needed for successful completion of MATH 1710.

Financial Impact: No additional cost is associated with these changes.

Effective Date: Fall 2026

14b. Mathematics – 6 Curriculum Changes for Flight Foundations

We propose the changes for Bachelor of Science in Mathematics with any of the five concentrations (Pure Mathematics, Applied Mathematics, Statistics and Data Science, Actuarial Science, and Mathematics for Secondary Education) or without concentration. The revision is made only for the new university general education (Flight Foundations) core, but two additional changes are incorporated into the two specific concentrations, namely Statistics and Data Science and Actuarial Science.

Category	Hours
Quantitative Reasoning and Analysis	3
Humanities and Cultural Expression	6
Historical Foundations	6
Social and Behavioral Sciences	6
Communication	9
Scientific Reasoning	8
Financial and Digital Literacy	3
Total	**41**

Two additional changes are made for two specific concentrations:

1. Statistics and Data Science. MATH 4993 Mathematical Research (3 credit hours) in the senior year is replaced with MATH 4010, which must be explicitly required.
2. Actuarial Science. The additional change will be found in the requirement of Minor in Business (21 hours), which consists of ECON 2010-2020, ACCT 3720, BMGT 3510, MKT 3400, FIN 3210, and LAW 2810.

Justification:

Keeping the Scientific Reasoning category at 8 hours, while reducing the Humanities and Cultural Expression category to 6 hours and defining the new Financial & Digital Literacy category at the minimum of 3 hours, allows Mathematics majors to earn general education credit for the introductory science courses that are requirements for their major and prevents students from needing to take an additional course to complete their general education requirements.

Attachment: The revised worksheet and degree map for Bachelor of Science in Mathematics with any of the five concentrations (Pure Mathematics, Applied Mathematics, Statistics and Data Science, Actuarial Science, and Mathematics for Secondary Education) or without concentration.

Financial impact: No additional resources are needed for these changes.

Effective date: Fall 2026.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

2026-2027

Bachelor of Science in Mathematics with a Concentration in Pure Mathematics

Math (120 hrs.)

Mathematics (51 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
3070	Statistical Methods I	3			
4010	Modern Algebra I	3			
4020	Modern Algebra II	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4110	Advanced Calculus I	3			
4120	Advanced Calculus II	3			
4993	Mathematical Research	3			

One Sequence from **Applied Mathematics Sequence** List: 3070-3080; 4050-4060; 4210-4220; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360 (**Recommended**).

Historical Foundations (6 hrs.)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social & Behavioral Sciences (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: Senior Exit Exam and the Major Field Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Scientific Reasoning (8 hrs.)

Courses to be selected from the list below:

ASTR 1010 &1020 Intro. Modern Astronomy I & II 8

BIOL 1010 & 1020 Intro to Biol & Div of Life 8
BIOL 1113 & 1123 Gen Biol I & Gen Biol II 8
BIOL 1113 & 2310 Gen Biol I & Gen Botany 8

CHEM 1010 & 1020 Intro. Chemistry I & II 8
CHEM 1110 & 1120 General Chemistry I & II 8

GEOL 1040 Physical Geology 4
GEOL 1045 Earth Environ Res. Soc. 4

PHYS 2110 Calculus Based Physics I with Lab 4
PHYS 2120 Calculus Based Physics II with Lab 4

Computer Science (4 or 2 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming **OR**	4			
ENGR 1120	Prog for Engineers	2			

Communication (3 hrs.)

COMM 2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Electives (enough credits to complete 120 hours.)

Some Suggested Mathematics Electives:

4310-4320 Intro to Topology I-II
4540 Linear Algebra II
4610-4620 History of Mathematics I-II
4850-4860 Computational Algebraic Geometry I-II
4050 Number Theory
4350 Introductory Combinatorics
4360 Graph Theory

2026-2027

Bachelor of Science in Mathematics with a Concentration in Pure Mathematics

Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	MATH 4010 Modern Algebra I	3
Humanities & Cultural Expression	3	COMM 2025 Fund of Communication	3
CSC 1300 Intro Prob. Sol & Comp Prog.	4	**OR**	
OR		PC 2500 Comm. in the Profession	3
ENGR 1120 Programing for Engineers	2	ENGL 2130, or 2235, or 2330	3
Electives	0 or 3	Social & Behavioral Sciences	6
		Financial & Digital Literacy	3
Total	**29, 30, or 32**	**Total**	**31**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3070 Statistical Methods I	3	MATH 4110 Advanced Calculus I	3
MATH 3810 Complex Variables	3	MATH 4120 Advanced Calculus II	3
MATH 4020 Modern Algebra II	3	MATH 4993 Mathematical Research	3
MATH 4530 Linear Algebra I	3	Mathematics**	6
MATH 4470 Probability and Statistics I	3	Electives	15
HIST 2010 Early US History	3		
HIST 2020 Modern US History	3		
MATH 3430, 4410, or 4310	3		
Electives	6		
Total	**30**	**Total**	**30**

* ASTR 1010-1020; or BIOL 1010-1020; or BIOL 1113-1123; or BIOL 1113-2310; or CHEM 1010-1020; or CHEM 1110-1120; or GEOL 1040-1045; or PHYS 2110, 2120.

Upper-division mathematics courses (3000 or higher). The student must complete at least one sequence from **Applied Mathematics Sequence List: MATH 3070-3080, 4050-4060; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360 (**Recommended**).

2026-2027

Bachelor of Science in Mathematics with a Concentration in Applied Mathematics

Math (120 hrs.)

Mathematics (48 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
4010	Modern Algebra I	3			
4210	Numerical Analysis I	3			
4220	Numerical Analysis II	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4510	Advanced Math for Engineers	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4110	Advanced Calculus I	3			

One Sequence from **Pure Mathematics Sequence** List: 4010-4020; 4110-4120; 4310-4320; 4530-4540; or 4850-4860

One Sequence from **Applied Mathematics Sequence** List: 3070-3080, 4050-4060; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360.

Recommended Mathematics Electives:

4110 Advanced Calculus II

4540 Linear Algebra II

History (6 hrs.)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social & Behavioral Sciences (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: Senior Exit Exam and the Major Field Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Scientific Reasoning (8 hrs.)

Courses to be selected from the list below:

ASTR 1010 &1020 Intro. Modern Astronomy I & II 8

BIOL 1010 & 1020 Intro to Biol & Div of Life 8
BIOL 1113 & 1123 Gen Biol I & Gen Biol II 8
BIOL 1113 & 2310 Gen Biol I & Gen Botany 8

CHEM 1010 & 1020 Intro. Chemistry I & II 8
CHEM 1110 & 1120 General Chemistry I & II 8

GEOL 1040 Physical Geology 4
GEOL 1045 Earth Environ Res. Soc. 4

PHYS 2110 Calculus Based Physics I with Lab 4
PHYS 2120 Calculus Based Physics II with Lab 4

Computer Science (4 or 2 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming **OR**	4			
ENGR 1120	Prog for Engineers	2			

Communication (3 hrs.)

COMM 2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Electives (enough credits to complete 120 hours.)
Recommended:

2026-2027

Bachelor of Science in Mathematics with a Concentration in Applied Mathematics

Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	ENGL 2130, or 2235, or 2330	3
Humanities & Cultural Expression	3	CSC 1300 Intro Prob. Sol & Comp Prog.	4
Electives	6	**OR**	
		ENGR 1120 Programing for Engineers	2
		COMM 2025 Fund of Communication	3
		OR	
		PC 2500 Comm. in the Profession	3
		Social/Behavioral Science Electives	6
		Financial & Digital Literacy	3
Total	**31**	**Total**	**30 or 32**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3810 Complex Variables	3	MATH 4110 Advanced Calculus I	3
MATH 4010 Modern Algebra I	3	MATH 4220 Numerical Analysis II	3
MATH 4530 Linear Algebra I	3	MATH 4510 Applied Math for Engineers	3
MATH 4210 Numerical Analysis I	3	Mathematics**	12
MATH 4470 Probability and Statistics I	3	Electives	6 or 9
HIST 2010 Early US History	3		
HIST 2020 Modern US History	3		
MATH 3430, 4410, or 4310	3		
Electives	6		
Total	**30**	**Total**	**27 or 30**

* ASTR 1010-1020; or BIOL 1010-1020; or BIOL 1113-1123; or BIOL 1113-2310; or CHEM 1010-1020; or CHEM 1110-1120; or GEOL 1040-1045; or PHYS 2110, 2120.

**Upper-division mathematics courses (3000 or higher). The student must complete upper-division sequences. The approved sequences are organized into pure mathematics and applied mathematics categories as shown below. The student must complete at least one sequence from each category.

Pure Mathematics Sequence List: MATH 4010-4020, 4110-4120, 4310-4320, 4530-4540; or 4850-4860.

Applied Mathematics Sequence List: MATH 3070-3080, 4050-4060; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360.

2026-2027

Bachelor of Science in Mathematics with a Concentration in Statistics and Data Science

Math (120 hrs.)

Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

Mathematics (51 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
3070	Statistical Methods I	3			
3080	Statistical Methods II	3			
4010	Modern Algebra I	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4480	Probability & Statistics II	3			
4110	Advanced Calculus I	3			

One Sequence from **Pure Mathematics Sequence** List: 4010-4020; 4110-4120; 4310-4320;
4530-4540 (**Recommended**); or 4850-4860

Recommended Mathematics Electives:
4060 Cryptography
4210 Numerical Analysis I
4220 Numerical Analysis II
4350 Combinatorics

History (6 hrs.)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social & Behavioral Sciences (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: The Senior Exit Exam and the Major Field

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Scientific Reasoning (8 hrs.)
Courses to be selected from the list below:

ASTR 1010 &1020 Intro. Modern Astronomy I & II 8

BIOL 1010 & 1020 Intro to Biol & Div of Life 8
BIOL 1113 & 1123 Gen Biol I & Gen Biol II 8
BIOL 1113 & 2310 Gen Biol I & Gen Botany 8

CHEM 1010 & 1020 Intro. Chemistry I & II 8
CHEM 1110 & 1120 General Chemistry I & II 8

GEOL 1040 Physical Geology 4
GEOL 1045 Earth Environ Res. Soc. 4

PHYS 2110 Calculus Based Physics I with Lab 4
PHYS 2120 Calculus Based Physics II with Lab 4

Computer Science (27 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming	4			
CSC 1310	Data Structures & Algorithms	4			
CSC 2220	Data Science & AI for Everyone	3			
CSC 2310	Object Oriented Programming	4			
CSC 3220	Fundamentals of Data Science	3			
CSC 3300	Database Mgmt Systems	3			
CSC 4220	Data Mining & Machine Learning	3			
CSC 4260	Artificial Intelligence	3			

Communication (3 hrs.)

COMM2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Electives (enough credits to complete 120 hours):

2026-2027

Bachelor of Science in Mathematics with a Concentration in Statistics and Data Science

Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	ENGL 2130, or 2235, or 2330	3
CSC 1310 Data Struct. & Algorithms	4	COMM 2025 Fund of Communication	3
CSC 1300 Intro Prob. Sol & Comp Prog.	4	**OR**	
		PC 2500 Comm. in the Profession	3
		Social/Behavioral Science Electives	6
		Humanities & Cultural Expression	3
		Financial & Digital Literacy	3
Total	**30**	**Total**	**31**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3810 Complex Variables	3	MATH 4530 Linear Algebra I	3
MATH 3070 Statistical Methods I	3	MATH 4110 Advanced Calculus I	3
MATH 3080 Statistical Methods II	3	MATH 4010 Modern Algebra I	3
MATH 4470 Probability and Statistics I	3	Mathematics**	6
MATH 4480 Probability and Statistics II	3	CSC 3220 Fundamentals of Data Science	3
HIST 2010 Early US History	3	CSC 3300 Database Mgmt Systems	3
HIST 2020 Modern US History	3	CSC 4220 Data Mining & Machine Learning	3
MATH 3430, 4410, or 4310	3	CSC 4260 Artificial Intelligence	3
CSC 2220 Data Science and AI	3	Electives	0 or 3
CSC 2310 Object Oriented Prog.	4		
Total	**31**	**Total**	**27 or 30**

* ASTR 1010-1020; or BIOL 1010-1020; or BIOL 1113-1123; or BIOL 1113-2310; or CHEM 1010-1020; or CHEM 1110-1120; or GEOL 1040-1045; or PHYS 2110, 2120.

** Upper-division mathematics courses (3000 or higher). The student must complete at least one sequence from **Pure Mathematics Sequence List**: MATH 4010-4020, 4110-4120, 4310-4320, 4530-4540 (**Recommended**); or 4850-4860.

2026-2027

Bachelor of Science in Mathematics with a Concentration in Actuarial Science

Math (120 hrs.)

Mathematics (48 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
3070	Statistical Methods I	3			
4010	Modern Algebra I	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4480	Probability & Statistics II	3			
4550	Mathematics of Investment I	3			
4560	Mathematics of Investment II	3			
4110	Advanced Calculus I	3			

One Sequence from **Pure Mathematics Sequence** List: 4010-4020; 4110-4120; 4310-4320; 4530-4540 (**Recommended**); or 4850-4860.

History (6 hrs.)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social & Behavioral Sciences (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: Senior Exit Exam and the Major Field Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Scientific Reasoning (8 hrs.)

Courses to be selected from the list below:

ASTR 1010 &1020 Intro. Modern Astronomy I & II 8

BIOL 1010 & 1020 Intro to Biol & Div of Life 8
BIOL 1113 & 1123 Gen Biol I & Gen Biol II 8
BIOL 1113 & 2310 Gen Biol I & Gen Botany 8

CHEM 1010 & 1020 Intro. Chemistry I & II 8
CHEM 1110 & 1120 General Chemistry I & II 8

GEOL 1040 Physical Geology 4
GEOL 1045 Earth Environ Res. Soc. 4

PHYS 2110 Calculus Based Physics I with Lab 4
PHYS 2120 Calculus Based Physics II with Lab 4

Computer Science (4 or 2 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming **OR**	4			
ENGR 1120	Prog for Engineers	2			

Communication (3 hrs.)

COMM 2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Required Minor in Business:

ECON 2010-2020 – Principles of Macroeconomics
ACCT 3720 – Survey of Accounting
BMGT 3510 – Mgmt/Organizational Behavior
MKT 3400 – Principles of Marketing
FIN 3210 – Principles/Managerial Finance
LAW 2810 – Business Legal Env & Ethics

Electives (enough credits to complete 120 hours.)

Recommended: ECON 3610, DS 2810, DS 3620, MATH 3080.

2026-2027

Bachelor of Science in Mathematics with a Concentration in Actuarial Science

Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	ENGL 2130, or 2235, or 2330	3
Humanities & Cultural Expression	3	COMM 2025 Fund of Communication	3
CSC 1300 Intro Prob. Sol & Comp Prog.	4	**OR**	
OR		PC 2500 Comm. in the Profession	3
ENGR 1120 Programing for Engineers	2	Social/Behavioral Science Electives	6
ECON 2010 Principles of Macroeconomics	3	Financial & Digital Literacy	3
		ECON 2020 Principles of Macroeconomics	3
Total	**30 or 32**	**Total**	**31**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3810 Complex Variables	3	MATH 4010 Modern Algebra I	3
MATH 3070 Statistical Methods I	3	MATH 4530 Linear Algebra I	3
MATH 4470 Probability and Statistics I	3	MATH 4110 Advanced Calculus I	3
MATH 4480 Probability and Statistics II	3	MKT 3400 Principles of Marketing	3
Electives	3	FIN 3210 Principles/Managerial Finance	3
HIST 2010 Early US History	3	LAW 2810 Business Legal Env & Ethics	3
HIST 2020 Modern US History	3	MATH 4550 Mathematics of Investment I	3
MATH 3430, 4410, or 4310	3	MATH 4560 Mathematics of Investment II	3
ACCT 3720 Survey of Accounting	3	Mathematics**	3 or 6
BMGT 3510 Mgmt/Organizational Behavior	3		
Total	**30**	**Total**	**27 or 30**

* ASTR 1010-1020; or BIOL 1010-1020; or BIOL 1113-1123; or BIOL 1113-2310; or CHEM 1010-1020; or CHEM 1110-1120; or GEOL 1040-1045; or PHYS 2110, 2120.

Upper-division mathematics courses (3000 or higher). The student must complete at least one sequence from **Pure Mathematics Sequence List: 4010-4020; 4110-4120; 4310-4320; 4530-4540 (**Recommended**); or 4850-4860.

2026-2027

Bachelor of Science in Mathematics with a Concentration in Mathematics for Secondary Education

Math (120 hrs.)

Mathematics (51 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
4010	Modern Algebra I	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4110	Advanced Calculus I	3			
4650	Algebra for Sec Math Teaching	3			
4610 4620	History of Math I **or** History of Math II	3			

One Sequence from **Pure Mathematics Sequence** List: 4010-4020; 4110-4120; 4310-4320; 4530-4540; or 4850-4860

One Sequence from **Applied Mathematics Sequence** List: 3070-3080; 4050-4060; 4210-4220; 4250-4260;4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360. 4050 can only be counted for one sequence.

History (6 hrs)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social & Behavioral Sciences (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: Senior Exit Exam and the Major Field Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Scientific Reasoning (8 hrs.)

8 credit hours chosen from the TTU General Education Core Courses in the Scientific Reasoning. These credit hours must come from two 4-credit hour courses in the same discipline. The possible disciplines are ASTR, BIOL, CHEM, GEOL/GEOG, and PHYS.

Computer Science (4 or 2 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming **OR**	4			
ENGR 1120	Prog for Engineers	2			

Communication (3 hrs.)

COMM 2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Minor in Education (15 hrs.) FOED 2050, FOED 3010, SEED 4322, SEED 4422, and one more 3-credit hour course to complete the Minor in Education

Suggested Option: FastTrack two graduate courses through the College of Education

Electives (To Complete 120 hrs.)

2026-2027

Bachelor of Science in Mathematics with a Concentration in Mathematics for Secondary Education

Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	ENGL 2130, or 2235, or 2330	3
Humanities & Cultural Expression	3	CSC 1300 Intro Prob. Sol & Comp Prog.	4
FOED 2050	3	**OR**	
FOED 3010	3	ENGR 1120 Programing for Engineers	2
		COMM 2025 Fund of Communication	3
		OR	
		PC 2500 Comm. in the Profession	3
		Social & Behavioral Sciences	6
		Financial & Digital Literacy	3
Total	**31**	**Total**	**30 or 32**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3810 Complex Variables	3	MATH 4110 Advanced Calculus I	3
MATH 4010 Modern Algebra I	3	MATH 4610 or 4620 History of Math	3
MATH 4530 Linear Algebra I	3	Mathematics**	6
MATH 4470 Probability and Statistics I	3	SEED 4422, Elective for Education Minor	6
HIST 2010 Early US History	3	Electives	9 or 11
HIST 2020 Modern US History	3		
Mathematics**	3		
MATH 3430, 4410, or 4310	3		
SEED 4322	3		
MATH 4650	3		
Total	**30**	**Total**	**27 or 29**

* 8 credit hours chosen from the TTU General Education Core Courses in the Scientific Reasoning. These credit hours must come from two 4-credit hour courses in the same discipline. The possible disciplines are ASTR, BIOL, CHEM, GEOL/GEOG, and PHYS.

**Upper-division mathematics courses (3000 or higher). The student must complete three upper-division sequences. The approved sequences are organized into pure mathematics and applied mathematics categories as shown below. The student must complete at least one sequence from each category.

Pure Mathematics Sequence List: MATH 4010-4020, 4110-4120, 4310-4320, 4530-4540; or 4850-4860.

Applied Mathematics Sequence List: MATH 3070-3080, 4050-4060, 4210-4220; 4250-4260; 4470-4480; 45504560; or any two of the three: 4050, 4350, or 4360. 4050 can only be counted for one sequence.

2026-2027
Bachelor of Science in Mathematics
Math (120 hrs.)

Mathematics (48 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1910	Calculus I	4			
1920	Calculus II	4			
2010	Intro. Linear Algebra	3			
2110	Calculus III	4			
2120	Differential Equations	3			
3810	Complex Variables	3			
3400	Intro Concepts Math	3			
4010	Modern Algebra I	3			
3430 4410 4310	College Geometry **or** Differential Geometry **or** Intro. Topology I	3			
4530	Linear Algebra I	3			
4470	Probability & Statistics I	3			
4110	Advanced Calculus I	3			

One Sequence from **Pure Mathematics Sequence** List: 4010-4020; 4110-4120; 4310-4320; 4530-4540; or 4850-4860

One Sequence from **Applied Mathematics Sequence** List: 3070-3080, 4050-4060; 4210-4220; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360. 4050 can only be counted for one sequence.

One additional sequence from either list above

History (6 hrs.)

2010	Early US History	3			
2020	Modern US History	3			

Humanities & Cultural Expression (3 hrs.)

Social &Behavioral Science (6 hrs.)

Financial & Digital Literacy (3 hrs.)

Exams Required for Graduation: Senior Exit Exam and Major Field Test will be given to students during their senior year in the Math Department (it is not a required exam for graduation, but is needed for testing results and data).

English (9 hrs.)

Course	Course Title	Credits	Grade	√	Sem.
1010	English Comp. I	3			
1020	English Comp. II	3			
2130 2235 2330	Top. American Lit. Top. British Lit., or Top. World Lit.	3			

Science Sequence (8 hrs.)
8 credit hours chosen from the TTU General Education Core Courses in the Natural Sciences. These credit hours must come from two 4-credit hour courses in the same discipline. The possible disciplines are ASTR, BIOL, CHEM, GEOL/GEOG, and PHYS.

Computer Science (4 or 2 hrs.)

CSC 1300	Intro to Prob Sol & Comp Programming **OR**	4			
ENGR 1120	Prog for Engineers	2			

Communication (3 hrs.)

COMM 2025 PC 2500	Fundamentals of Communication, **OR** Communicating in the Profession	3			

Electives (enough credits to complete 120 hours.)

2026-2027
Bachelor of Science in Mathematics
Math (120 hrs.)

Freshman Year	**Sem. Hrs.**	**Sophomore Year**	**Sem. Hrs.**
MATH 1910 Calculus I	4	MATH 2010 Intro. Linear Algebra	3
MATH 1920 Calculus II	4	MATH 2110 Calculus III	4
ENGL 1010 English Comp. I	3	MATH 2120 Differential Equations	3
ENGL 1020 English Comp II	3	MATH 3400 Concepts of Math	3
Scientific Reasoning Sequence*	8	ENGL 2130, or 2235, or 2330	3
Humanities & Cultural Expression	3	CSC 1300 Intro Prob. Sol & Comp Prog.	4
Electives	6	**OR**	
		ENGR 1120 Programing for Engineers	2
		COMM 2025 Fund of Communication	3
		OR	
		PC 2500 Comm. in the Profession	3
		Social & Behavioral Sciences	6
		Financial & Digital Literacy	3
Total	**31**	**Total**	**30 or 32**
Junior Year	**Sem. Hrs.**	**Senior Year**	**Sem. Hrs.**
MATH 3810 Complex Variables	3	MATH 4110 Advanced Calculus I	3
MATH 4010 Modern Algebra I	3	Mathematics**	9
MATH 4530 Linear Algebra I	3	Electives	17
MATH 4470 Probability and Statistics I	3		
HIST 2010 Early US History	3		
HIST 2020 Modern US History	3		
Mathematics**	3		
MATH 3430, 4410, or 4310	3		
Electives	6		
Total	**30**	**Total**	**29**

* ASTR 1010-1020; or BIOL 1010-1020; or BIOL 1113-1123; or BIOL 1113-2310; or CHEM 1010-1020; or CHEM 1110-1120; or GEOL 1040-1045; or PHYS 2110, 2120.

** Upper-division mathematics courses (3000 or higher). The student must complete three upper-division sequences. The approved sequences are organized into pure mathematics and applied mathematics categories as shown below. The student must complete at least one sequence from each category.

Pure Mathematics Sequence List: MATH 4010-4020, 4110-4120, 4310-4320, 4530-4540; or 4850-4860.

Applied Mathematics Sequence List: MATH 3070-3080, 4050-4060, 4210-4220; 4250-4260; 4470-4480; 4550-4560; or any two of the three: 4050, 4350, or 4360. 4050 can only be counted for one sequence.

15a. Nursing: 1 New Course

The WHSON is requesting approval of a new course. This course has been submitted and approved for a Communication General Education Course by the TTU General Education Committee.

NURS 2600 Communication in Health Care
3 credit hours
Prerequisites: None

Course Description: This foundational course introduces students to the principles and practices of effective communication within healthcare settings to emphasize the development of professional values, clinical judgment, and interprofessional collaboration. Students will explore communication theories, active listening strategies, and culturally responsive approaches to engage patients, families, and members of the healthcare team. Emphasis is placed on building therapeutic relationships, utilizing evidence-based communication frameworks such as the **Health Belief Model, Theory of Planned Behavior** and Social Cognitive Theory, and applying ethical principles to enhance safety, quality, and patient-centered care.

Effective Fall 2026

This course is a 2000 level course that provides communication theory and application with a focus on communication in health care. This course would benefit any student interested in how to communicate and how to understand communication in health care.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Tennessee Tech University
Whitson Hester School of Nursing
NURS 2600-001
Communication in HealthCare

Dates, Times, Classroom, 3 Credit Hours, Fall 2026

Instructor Inforrnation

Instructor's Name: Dr. Rachel M Hall

Office: Bell Hall 305

Telephone Number: 931-372-6814

Campus Email :rmhall@tntech.edu (Preferred)

Course Inforrnation

Prerequisites: none

Texts and Resources

Required: Bartolomucci Boyd, L. R., Frain, J., Campton, S., & Nguyen, J. (2020). *Effective communication for health professionals.* Elsevier.

Course Welcome and Description

Welcome to Communications in HealthCare! This foundational course introduces students to the principles and practices of effective communication within healthcare settings to emphasize the development of professional values, clinical judgment, and interprofessional collaboration. Students will explore communication theories, active listening strategies, and culturally responsive approaches to engage patients, families, and members of the healthcare team. Emphasis is placed on building therapeutic relationships, utilizing evidence-based communication frameworks such as the Health Belief Model, Theory of Planned Behavior and Social Cognitive Theory, and applying ethical principles to enhance safety, quality, and patient-centered care.

Through interactive discussions, simulations, and reflective practice, students will demonstrate competency in verbal, nonverbal, and written communication tailored to diverse populations and clinical contexts. The course prepares learners to effectively exchange information, advocate for patient needs, and function collaboratively within interprofessional teams. Students will develop foundational skills in professional identity formation, systems-based practice, and communication technologies that support equitable and effective healthcare delivery.

Reviewed and Revised July 21, 2025

Course Objectives/Student Leaming Outcomes

1. Demonstrate effective therapeutic communication with patients, families, caregivers, and interprofessional team members that reflects empathy, cultural humility, and respect for diversity.
2. Apply evidence-based communication strategies to promote patient safety, shared decision-making, and improved health outcomes across diverse healthcare settings.
3. Construct focused, well-reasoned arguments that reflect awareness of clinical situations, diverse perspectives, and intended audiences to support advocacy and evidence-informed care thorough class discussions and assignments.
4. Use traditional and digital communication strategies (written, oral, and visual) to convey information effectively in clinical, academic, and interprofessional contexts.
5. Demonstrate understanding of the communication process-including planning, organizing, composing, revising, editing, and sharing-to ensure clarity, professionalism, and ethical standards in healthcare documentation and interactions.
6. Synthesize theoretical and practical knowledge to think critically, solve problems, and make informed decisions that enhance communication effectiveness and patient-centered care.
7. Utilize health information technologies and communication tools ethically and efficiently to document, exchange, and interpret clinical information that supports safe, equitable care delivery.
8. Employ communication techniques for conflict resolution, teamwork, and advocacy to promote equity, inclusion, and collaboration in healthcare systems.

Major Teaching Methods: on ground

Special Instructional Platform/Materials: laptop

Topics to be Covered

1. Communicating in Health Care
2. Gathering Information
3. Educating Patients
4. Communicating with Diverse Patient Groups
5. Communicating Through Barriers
6. Communicating Through Illnesses and Disorders
7. Communicating Through the Grief Process
8. Communicating in the Workplace
9. Documenting Patient Care

Course Schedule

Due dates for all assignments and assessments are specified and reinforced on the course calendar and instructions for submitting assignments on Tennessee Tech's Leaming Management System (D2L/iLeam).

Week	Topic	Key Focus Areas	Aligned Student Learning Objectives (SLOs)
1	Communicating in Health Care	Foundations of professional communication; roles and expectations	SLO 1, 2, 5
2	Communicating in Health Care (Continued)	Therapeutic communication; empathy; patient-centered strategies	SLOl,3,6
3	Gathering Information	Interviewing, assessment communication, listening skills	SLO 2, 3, 6
4	Educating Patients	Health literacy, teaching strategies, clear explanation techniques	SLO 2, 4, 6
5	Communicating with Diverse Patient Groups	Cultural humility, inclusive communication, adapting for population needs	SLO 1, 6, 8
6	Communicating Through Barriers	Sensory, cognitive, literacy, and environmental barriers	SLO 2, 4, 7
7	Communicating Through Illnesses and Disorders	Adjusting communication for cognitive, psychological, or chronic conditions	SLO 3, 6, 8
8	Communicating Through the Grief Process	Supporting patients and families; therapeutic presence	SLO 1, 3, 6
9	Communicating in the Workplace	Interprofessional communication, teamwork, conflict resolution	SLO 4, 6, 8
10	Documenting patient Care	Clarity, accu racy, ethics, digital documentat10n systems	SLO 5, 7
11	Applied Case Studies	Critical thinking, decision-making, evidence-supported communication strategies	SLOl,3,6
12	Writing Workshop: Professional Communication	Planning, organizing, drafting, revising, editing	SLO 3, 4, 5
13	Capstone Presentation Preparation	Integrating written, oral, and visual communication skills	SLO 2, 4, 6
14	Capstone Presentations	Demonstration of comprehensive communication competence	SLO 1-8 (All)

Grading and Evaluation Procedures

Methods of Evaluation

Discussion Boards	20%
Case Study Oral Analysis	20%
Interdisciplinary Oral Presentation	25%
Capstone Oral Presentation	25%

Class Participation 10%

1. Discussion Boards: Interprofessional and Reflective Communication

Purpose: To promote critical reflection, peer collaboration, and the application of communication theories to healthcare scenarios.

Description: Students will participate in weekly discussion forums addressing key communication concepts such as therapeutic communication, cultural humility, health literacy, and ethical dialogue in patient care. Each student will respond to a discussion prompt and provide at least two substantive replies to peers, emphasizing evidence-based communication approaches and interprofessional collaboration.

- Discuss how cultural humility influences communication with diverse patient populations.
- Reflect on a clinical situation where communication barriers affected patient outcomes. How might evidence-based strategies have improved the interaction?

Aligned SLOs: 1, 2, 3, 4, 5, 6, 8

2. Case Study Oral Analysis: Communication and Clinical Judgment

Purpose: To integrate theoretical and practical communication skills in complex healthcare situations.

Students will complete an oral analysis of a healthcare case study that presents communication challenges involving patients, families, and interprofessional team members. Using evidence-based communication frameworks and course concepts, students will analyze the scenario to identify key communication issues, contributing factors, and potential risks to patient safety and quality of care. The presentation should demonstrate clinical judgment, ethical awareness, and sensitivity to diverse perspectives.

Students will present a structured analysis that includes a clear summary of the case, application of relevant communication theories or models, and proposed strategies to improve communication outcomes. Visual or digital presentation tools may be used to support organization and clarity. This assignment emphasizes critical thinking, professional oral communication, and the ability to articulate well-reasoned recommendations tailored to the healthcare context and intended audience.

Assignment Components:

- Concise overview of the healthcare case, including identification of key communication issues
- Analysis of contributing factors (e.g., interpersonal, cultural, ethical, organizational, or system-related influences)
- Identification of risks or implications for patient safety, quality of care, and team collaboration
- Application of relevant communication theories or evidence-based frameworks
- Justification of selected communication strategies based on theory and practice
- Development of clear, feasible recommendations to improve communication outcomes
- Professional oral presentation with logical organization and clear verbal delivery

- Use of appropriate visual or digital aids to support clarity and audience engagement
- Demonstration of ethical, culturally responsive, and professional communication throughout

Aligned SLOs: 1, 2, 4, 6, 7, 8

3. Interdisciplinary Oral Assignment: Professional Communication in Healthcare

Purpose: To strengthen professional writing, argumentation, and digital communication skills within a healthcare context.
Description: Students will complete an interdisciplinary oral presentation that examines a current communication issue in healthcare practice, such as patient education, interprofessional collaboration, health literacy, or ethical communication. The presentation will be designed for a specific healthcare audience and will require students to clearly articulate a focused position supported by evidence and communication theory. Visual and digital tools (e.g., PowerPoint, recorded presentation, infographic, or other approved multimedia formats) will be used to enhance clarity and audience engagement.

Students are expected to demonstrate intentional planning, organization, and professional delivery, as well as the ability to synthesize theoretical and practical knowledge. The assignment emphasizes clear oral communication, appropriate use of visual aids, and effective response to audience needs and perspectives, reflecting professional standards for interdisciplinary communication in healthcare settings.

Assignment Components:

- Identification of a healthcare communication issue
- Review of relevant research and communication models
- Argument supported by evidence and consideration of audience and purpose
- Reflection on implications for healthcare practice and patient outcomes

Aligned SLOs: 3, 4, 5, 6, 7

4. Capstone Presentation:

Purpose: To synthesize learning across the course through applied reflection.
Description: Students will create a short digital presentation (e.g., PowerPoint, video, or infographic) summarizing how effective communication contributes to safe, equitable, and collaborative healthcare practice.
Aligned SLOs: 2, 4, 6, 8

These assignments collectively reinforce critical thinking, professional writing, and interprofessional communication competencies preparing students for effective, ethical, and person-centered healthcare practice.

Grading Scale [if applicable]

Tahie I: 01·e1-i-ie1l' of grade range

Letter Grade	Grade Ran,ge
A	90-100
B	80-89
C	70-79
D	65-69
F	64 and below

Course Policies

Student Academic Integrity Policy

Maintaining high standards of academic integrity in every class is critical to the reputation of Tennessee Tech, its students, faculty, alumni, and the employers of Tennessee Tech graduates. Academic integrity is at the foundation of the educational process and the key to student success. Students with academic integrity are committed to honesty, ethical behavior, and avoiding violations of academic integrity. All students are required to read and understand Policy 216: Student Academic Integrity. Please see the Academic Integrity website (https://www.tntech.edu/provost/academicintegritvD for more information.

Attendance Policy

Student attendance is required for this course. You will be expected to attend and participate in the class activities. If you do not attend class, you will not be able to participate in our course activities which enhance learning.

Students who are unable to attend class for an extended period due to an emergency/extenuating circumstance (i.e., medical illness, hospitalization, death in the family/bereavement, military or legal obligation), may contact the Office of the Vice President for Student Affairs at studentaffair @tntech.edu to request an absence notification.

Class Participation

Active participation is an essential component of the *Communications in Healthcare* course and reflects professional engagement, accountability, and collaboration. Participation encompasses attendance, preparation, engagement in discussions, respectful communication, and contribution to the collective learning environment.

1. Attendance and Preparation- Students are expected to attend all scheduled classes and actively engage in both synchronous and asynchronous learning activities. Prior to each session, students should complete assigned readings, review supplemental materials, and be prepared to contribute meaningfully to discussions. Consistent preparation fosters the development of knowledge for healthcare practice and professionalism.

2. Professional and Respectful Engagement-All interactions-written, verbal, and digital-should reflect professionalism, ethical communication, and cultural humility. Students are expected to listen actively, respond thoughtfully, and maintain a supportive learning environment that values diverse perspectives. Disrespectful or disruptive behaviors will not be tolerated. This emphasizes interprofessional partnerships and person-centered care.

3. Constructive Contributions-Quality participation involves more than attendance. Students should contribute insights that advance discussion, apply theoretical frameworks (Health Belief Model (HBM), Theory of Planned Behavior (TPB), and Social Cognitive Theory (SCT)) to practical examples, and demonstrate critical thinking. Contributions should connect course content to current healthcare practice.
Examples of constructive participation include:

- Citing course readings or evidence-based communication models.
- Offering relevant clinical or experiential examples.
- Asking reflective or clarifying questions that enhance group understanding.

4. Collaboration and Peer Support-Students are encouraged to collaborate effectively with peers during discussions, case studies, and group assignments. Collaboration should reflect shared responsibility, ethical communication, and mutual respect.

5. Digital and Written Communication Standards-When participating in online discussions or submitting written work, students must use professional language, observe academic writing conventions, and demonstrate clarity and organization. Proper grammar, respectful tone, and adherence to netiquette are required.

Assignments and Related Policy

Assignments will be due per the course calendar and must be turned in to the Dropbox in D2L. If you need an extension, you must reach out to the instructor via email prior to the due date to request an extension. Extensions will only be granted for extenuating circumstances.

Instructional and Assignment Use of Artificial Intelligence

AI policy statement: Permitted when Assigned in this Course with Attribution.
In this course, Generative AI resources are allowed to be used for specific assignments or within set parameters, as designated by the instructor.

To ensure academic integrity, students must openly disclose any AI-generated material they utilize and provide proper attribution. This includes in-text citations, quotations, and references.

To indicate the use of a Generative AI resource, a student should include the following statement in their assignments: "The author(s) acknowledge the utilization of [Generative AI Tool Name], a language model developed by [Generative AI Tool Provider], in the preparation of this assignment. The [Generative AI Tool Name] was employed in the

following manner(s) within this assignment [e.g., brainstorming, grammatical correction, citation, specific section of the assignment]."

Proper citation guidelines can be found on the **CITL website.**

Disability Accommodation

Students with a disability requiring accommodations should contact the accessible education center (AEC). An accommodation request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, room 112; phone 931-372-6119. For details, view Tennessee Tech's policy 340 - services for tudents with disabilities at policy central.

Additional Resources

Technical Help

If you are experiencing technical problems, visit the myTech IT Helpdesk for assistance.

If you are having trouble with one of the instructional technologies (i.e. Zoom, Teams, Qualtrics, Respondus, or any technology listed here)visit the Center for lnnovation in Teaching and Leaming (CITL) website or call 931-372-3675 for assistance.

Tutoring

The university provides free tutoring to all Tennessee Tech students through the Leaming Center within the Volpe Library. Tutoring is available for any class or subject, as well as writing, test prep, study skills, and resume support. Appointments are scheduled, so contact the Leaming Center website for more information.

Counseling and Health Services

Tennessee Tech offers support for student well-being through two key services. The Center for Counseling and Mental Health Wellness provides brief, solution-focused therapy to help students navigate personal and social challenges. Health Services delivers accessible, high-quality, and affordable medical care to promote overall wellness. Visit their respective websites to learn more or schedule an appointment.

Emergency Preparedness Protocols

Each student must take personal responsibility for following any University protocol related to pandemics, natural disasters, and other public health and safety events. Students are expected to follow all directives published by Tennessee Tech on its Environmental Health & afety webpage..

Current:

NURS 3242 Pharmacology Concepts in Nursing I 2 credit hours **Co-requisite NURS 3290**

Requested Change:

Reviewed and Revised July 21, 2025

15b. Nursing: 1 Course Change

NURS 3242 Pharmacology Concepts in Nursing I 2 credit hours **Pre-requisite NURS 3290**

Justification:
The WHSON requests a change in pre/co-requisites for NURS 3242 Pharmacology I. Currently the catalog lists NURS 3290 Pathophysiology I as a co-requisite. This was an error on our part in the midst of our curriculum change and our current practice is to require successful completion of NURS 3290 prior to enrolling in NURS 3242.

Effective Date: Fall 2026

15c. Nursing: 3 Curriculum Changes for Flight Foundations

Change the degree maps for all BSN Concentrations (Upper Division, Accelerated and **RNBSN)** to reflect the Flight Foundation requirements as follows:

1. Quantitative Reasoning and Analysis-3 credit hours
    a. Math 1530 Elementary Probability and Statistics (or any higher level Math)
2. Communication- 9 credit hours
    a. ENGL 1010 English Composition I
    b. ENGL 1020 English Composition II
    c. Student choice of approved general education oral communication course
3. Historical Foundations- 6 credit hours
    a. HIST 2010 Early United States History
    b. HIST 2020 Modem United States History
4. Humanities and cultural Expression- 6 credit hours
    a. Student choice of 6 hours of approved general education humanities & cultural expression courses
5. Scientific Reasoning- 8 credit hours
    a. BIOL 2010 Human Anatomy and Physiology I
    b. BIOL 2020 Human Anatomy and Physiology II
6. Social/Behavioral Science- 6 credit hours
    a. PSY 1030 Introduction to Psychology
    b. Student choice of approved general education social/behavioral science course
7. Financial OR Digital Literacy- 3 hours
    a. Student choice of approved general education financial OR digital literacy course

*Revised Curriculum Maps are attached.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

BSN Traditional Curriculum Map

Year 1

CHEM 1210 (will accept CHEM 1110 or 1010) Chemistry for Life Sciences or General Chemistry	4		BIOL 2010 Human Anatomy & Physiology I	4
ENGL 1010 English Composition I	3		ENGL 1020 English Composition II	3
HIST 2010 Early United States History	3		Hist 2020 Modern United States History	3
Math 1530 (or higher-level Mathematics) Elementary Probability and Statistics	3		Humanities and Cultural Expression (1st of 2 required)	3
NURS 1010 Freshmen Orientation to Nursing	1		Social/Behavioral Science	3
			NURS 2300 Intro to Professional Nursing	2

Year2

BIOL 3230 Health Sciences Microbiology	4		NURS 3100 Nursing School Success Strategies	1
BIOL 2020 Human anatomy & Physiology It	4		NURS 3260 and 3261 Health Assessment and clinical	2+1
Humanities and Cultural Expression (2nd of 2 required)	3		NURS 3270 and 3271 Fundamentals of Nursing and Clinical	2 +1
Oral Communication Course	3		NURS 3290 Pathophysiology I	2
Financial OR Digital Literacy Course	3		PSY 1030 Introduction to Psychology	3
			HEC 2020 Nutrition	3

Vear 3

NURS 3242 Pharmacology 1	2		NURS 3350 and 3361 Medical/Surgical Nursing II & Clinical	4+3
NURS 3250 and 3280 Medical/Surgical Nursing I & Clinical	4+3		NURS 3390 Pathophysiology II	2
NURS 3370 and 3371 Mental Health and Clinical	3+2		NURS 4800 Gerontological Nursing	2
			Nursing Elective	1

Vear4

NURS 4000 and 4001 Women's Health & Perinatal Nursing & Clinical	3+2		NURS 4430 and 4431 Healthcare in Communities & Clinical	3+3
NURS 4100 and 4101 Pediatrics & Clinical	3+2		NURS 4450 and 4451 Nursing Leadership & Clinical	3+4
NURS 4230 Pharmacology II	2		NURS 4460 Licensure Preparation	1
NURS 4300 Research in Healthcare	3		Nursing Elective	1

Accelerated (ABSN) Curriculum Map

The following courses or their equivalents must be completed prior to enrolling in professional nursing courses:

Course	Credit hours
CHEM 1210 (will accept CHEM 1110 or 1010) Chemistry for Life Sciences or General Chemistry	**4**
BIOL 2010 Human Anatomy & Physiology I	**4**
BIOL 2020 Human anatomy & Physiology II	**4**
BIOL 3230 Health Sciences Microbiology	**4**
Math 1530 (or higher-level Mathematics) Elementary Probability and Statistics	**3**
ENGL 1010 English Composition I	**3**
ENGL 1020 English Composition II	**3**
HIST 2010 Early United States History	**3**
Hist 2020 Modern United States History	**3**
Humanities and Cultural Expression (1st of 2 required)	**3**
Humanities and Cultural Expression (2nd of 2 required)	**3**
PSY 1030 Introduction to Psychology	**3**
Social/Behavioral Science	**3**
Oral Communication Course	**3**
Financial OR Digital Literacy Course	**3**
HEC 2020 Nutrition	**3**
NURS 1010 Freshmen Orientation to Nursing	**1**
NURS 2300 Intro to Professional Nursing	**2**
Nursing Electives	**2**
TOTAL	**57**

Semester 1

Course	Credit hours
Summer #1	
May Intercession	
NURS 4010 Gerontological Nursing for the ABSN Student	2
First Term	
NURS 3260 and 3261 Health Assessment and Lab	2+1
NURS 3270 and 3271 Fundamentals of Nursing and Lab	2+1
Second Term	
NURS 3345 Pathophysiology 1 for the ABSN Student	2
NURS 3320 and 3321 Community Health Nursing & Clinical for the ABSN Student	3+3
Total Credit Hours	**16**

Semester 2

Course	Credit hours
Fall Semester	
NURS 3310 and 3311 Mental Health Nursing & Clinical for the ABSN Student	3+2
NURS 3340 and 3341 Medical Surgical Nursing I & Clinical for the ABSN Student	4+3
NURS 3245 Pharmacology for Nursing I for the ABSN Student	3
Total Credit Hours	**15**

Semester 3

Course	Credit hours
Spring Semester	
NURS 3440 and 3441 Medical Surgical Nursing II & Clinical for the ABSN Student	4+3
NURS 4260 Women's Health, Perinatal & Nursing Care of Children and Clinical	5
NURS 4345 Pathological Processes II & Pharmacological Concepts II	3
NURS 4300** Research in Healthcare	3
Total Credit Hours	**15-18**

** NURS 4300 is offered every semester

Semester4

Course Summer #2	Credit hours
May Intercession	
NURS 4201 Women's Health & Perinatal Nursing Clinical	2
First Term	
NURS 4550 Critical Care Nursing	2
Second Term	
NURS 4750 Leadership and Management for the ABSN Student	3
Full Term	
NURS4600 Lifespan Clinical Immersion **NURS4460** Licensure Preparation	6 1
Total **Credit** Hours	**14**

RN to BSN Curriculum Map

Course	Credit hours
BIOL2010 Human Anatomy & Physiology I	**4**
BIOL 2020 Human anatomy & Physiology II	**4**
BIOL 3230 Health Sciences Microbiology	**4**
Math 1530 (or higher-level Mathematics) Elementary Probability and Statistics	**3**
ENGL 1010 English Composition I	**3**
ENGL 1020 English Composition II	**3**
HIST 2010 Early United States History	**3**
Hist 2020 Modern United States History	**3**
Humanities and Cultural Expression (l't of 2 required)	**3**
Humanities and Cultural Expression (2nd of 2 required)	**3**
PSY 1030 Introduction to Psychology	**3**
Social/Behavioral Science	**3**
Oral Communication Course	**3**
Financial OR Digital Literacy Course	**3**
Nursing Electives	**13**
TOTAL	**58**

32 Credits Awarded from the ASN degree after successful completion of 12 credit hours of NURS coursework at TTU:

Course	Credit hours
NURS 3270 and 3271 Fundamentals of Nursing and Lab	2+1
NURS 3250 and 3280 Medical Surgical Nursing I and Clinical	4+3
NURS 3350 and 3361 Medical Surgical Nursing II and Clinical	4+3
NURS 3370 and 3371 Mental Health Nursing and Clinical	3+2
NURS 4000 and 4001 Women's Health and Perinatal Nursing & Clinical	3+2
NURS 4100 and 4101 Care of Children and Clinical	3+2
Total	**32**

Online NURS courses for the RN BSN Degree

C-awrrse	Crecl'i◆Ho1JJ•rs
NURS 3281 Health Assessment and Lab	2+1
NURS 3430 Survey of Pharmacological Aspects	3
NURS 3380 Pathophysiological Processes	3
NURS 3465 Bridging to Professional Nursing Practice	4
NURS4300 Research in Healthcare	3
NURS 4350 and 4351 Community Health Nursing and Clinical	4+3
NURS 4450 and 4451 Leadership and Management and Clinical	3+4
liotal1	**30**

TOTAL: 120 Credit Hours

16a. Interdisciplinary Studies: 2 New Courses, 2 Course Changes

I. Course Additions (* = Sample Syllabi Attached)

1. Course Title – LIST 3453 – Financial Literacy: Investment and Retirement Planning.
Lec 1, Credit 1

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics protecting family wealth, creating family wealth, and retirement strategies.

Prerequisites: None.

Justification: The SoIS has been successfully offering financial literacy workshops as special topics workshops since Fall 2020. This course is an expansion to those offerings. This addition recommended by the General Education Committee

Effective Date: Summer 2026

Financial Impact: No additional resources are needed for this request.

2. Course Title – IC 2200: Technology, Society, and Ethics Lec. 3, Credit 3

Course Description: This course provides a comprehensive introduction to the ethical, social, and professional issues arising from the development and deployment of computing technology. Students will explore foundational ethical theories, professional codes of conduct, and a range of contemporary challenges, including data privacy, algorithmic bias, and the societal impact of digital platforms. Through case study analysis, critical discussion, and a major research project, students will develop the skills to analyze the complex interactions between technology and society, make informed judgments based on legal and ethical principles, and design and advocate for responsible technological solutions within their specific interdisciplinary fields of study.

Prerequisites: None.

Justification: This course is a required component of the Intersectional Core for the B.S. in Interdisciplinary Computing.

Effective Date: Summer 2026

Financial Impact: No additional resources are needed for this request.

II Course Changes (*New syllabi attached)

1. Old: LIST 3451 – Financial Literacy 1 Lec 1, Credit 1

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics of budgets, insurance, banking, credit scores, and identity theft. The information in the workshop can be used to make informed financial decisions.

Prerequisites: None.

NEW: LIST 3451 – Financial Literacy: Budget and Credit Lec 1, Credit 1

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics budgeting, credit cards, credit reports, managing debt, and paying for college.

Prerequisites: None.

Justification: This change was recommended by the General Education Committee

Effective Date: Summer 2026

Financial Impact: No additional resources are needed for this request.

2. OLD: LIST 3452 – Financial Literacy 2 Lec 1, Credit 1

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics of repaying student loans, buying a house, creating a financial plan, investing, planning for retirement, health insurance, understanding your paycheck, and credit cards. The information in the workshop can be used to make informed financial decisions.

Prerequisites: None.

NEW: LIST 3452 – Financial Literacy: Major Purchases and Insurance Lec 1, Credit 1

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics of insurance, major purchases, buying a home, buying a car, protecting assets, consumerism, and financing.

Prerequisites: None.

Justification: This change was recommended by the General Education Committee.

Effective Date: Summer 2026

Financial Impact: No additional resources are needed for this request

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Tennessee Technological University
School of Interdisciplinary Studies
Interdisciplinary Computing
IC 2220 - Technology, Society, and Ethics
3 Credits

Instructor Information
Instructor's Name
Office
Telephone Number
Campus Email

Prerequisites: None

Texts and Resources: Quinn, Michael J. Ethics for the Information Age. Pearson. (Most Recent Edition)

Course Welcome and Description

This course provides a comprehensive introduction to the ethical, social, and professional issues arising from the development and deployment of computing technology. Students will explore foundational ethical theories, professional codes of conduct, and a range of contemporary challenges, including data privacy, algorithmic bias, and the societal impact of digital platforms. Through case study analysis, critical discussion, and a major research project, students will develop the skills to analyze the complex interactions between technology and society, make informed judgments based on legal and ethical principles, and design and advocate for responsible technological solutions within their specific interdisciplinary fields of study. This course is a required component of the Intersectional Core for the B.S. in Interdisciplinary Computing.

Course Objectives/Student Learning Outcomes

By the end of this course, students will be able to:

- **Recognize and use key ethical approaches** (such as rules-based, outcomes-based, virtue, and care ethics) to think about computing problems.
- **Explain how history and society shape today's technology issues**, including bias in algorithms, online privacy, and unequal access to technology.
- **Understand the professional and ethical responsibilities** of computing professionals by learning from the ACM Code of Ethics and related standards.
- **Examine how technology affects people and communities**, especially groups that may be more vulnerable or less represented.
- **Develop clear arguments about technology and ethics** and share them effectively in both writing and presentations.
- **Create an analysis of a technology's ethical and social impact that connects to their chosen area of study.**

Major Teaching Methods

The course will consist of a mix of readings, discussions, videos, and lectures.

Special Instructional Platform/Materials

The course will use iLearn (**https://elearn.tntech.edu**)

Topics to be Covered

- Introduction Why Tech Ethics? A Brief History of Computing and Society.
- Intro to ethical frameworks (Consequentialism, Deontology, Virtue Ethics, Care Ethics, etc.)
- Professionalism, Responsibility, and Codes of Conduct.
- Privacy and Surveillance.
- Intellectual property in Digital age.
- Security, Safety, and Risk (Cybersecurity).
- Equity, Access, and the Digital divide.
- Algorithmic bias and AI Justice.
- Ethics of Platforms and Social media.
- The future of work labor and automation.
- Sustainability and environmental impact of computing.

Course Schedule

The first part of the semester (Weeks 1–7) introduces foundations of ethics in technology and enduring challenges in a digital world, covering topics such as ethical frameworks, professionalism, privacy, intellectual property, and security. Students will complete several short writing assignments and a midterm policy memo.

The second part of the semester (Weeks 8–15) explores contemporary and emerging issues, including the digital divide, algorithmic bias, social media, automation, and sustainability. This half emphasizes applied work, with a project proposal, group workshops, and a final project presentation focused on the ethical and societal impacts of computing.

Grading and Evaluation Procedures

- Quizzes & Short Writing Assignments 30%
- Midterm Policy Memo 20%
- Final Project Proposal & Bibliography 10%
- Final Project (Paper & Presentation) 30%
- Participation & Workshops 10%

Grading Scale

Letter Grade	Grade Range
A	90-100
B	80-89
C	70-79
D	60-69
F	59 and below

Course Policies

Student Academic Integrity Policy

Maintaining high standards of academic integrity in every class is critical to the reputation of Tennessee Tech, its students, faculty, alumni, and the employers of Tennessee Tech graduates. Academic integrity is at the foundation of the educational process and the key to student success. Students with academic integrity are committed to honesty, ethical behavior, and avoiding violations of academic integrity. All students are required to read and understand Policy 216: Student Academic Integrity. Please see the Academic Integrity website (https://www.tntech.edu/provost/academicintegrity/) for more information.

Attendance Policy

Students who are unable to attend class for an extended period due to an emergency/extenuating circumstance (i.e., medical illness, hospitalization, death in the family/bereavement, military or legal obligation), may contact the Office of the Vice President for Student Affairs at studentaffairs@tntech.edu to request an absence notification.

Instructional and Assignment Use of Artificial Intelligence

[Include Generative AI Use syllabus statement from the options listed on the Center for Innovation in Teaching and Learning website in accordance with University Policy 220: Instructional and Assignment Use of Artificial Intelligence.]

Disability Accommodation

Students with a disability requiring accommodations should contact the accessible education center (AEC). An accommodation request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, room 112; phone 931-372-6119. For details, view Tennessee Tech's policy 340 – services for students with disabilities at policy central.

Additional Resources

Technical Help

If you are experiencing technical problems, visit the myTech IT Helpdesk for assistance.
If you are having trouble with one of the instructional technologies (i.e. Zoom, Teams, Qualtrics, Respondus, or any technology listed here)visit the Center for Innovation in Teaching and Learning (CITL) website or call 931-372-3675 for assistance.

Tutoring

The university provides free tutoring to all Tennessee Tech students through the Learning Center within the Volpe Library. Tutoring is available for any class or subject, as well as writing, test prep, study skills, and resume support. Appointments are scheduled, so contact the Learning Center website for more information.

Counseling and Health Services

Tennessee Tech offers support for student well-being through two key services. The Center for Counseling and Mental Health Wellness provides brief, solution-focused therapy to help students navigate personal and social challenges. Health Services delivers accessible, high-quality, and affordable medical care to promote overall wellness. Visit their respective websites to learn more or schedule an appointment.

Emergency Preparedness Protocols

Each student must take personal responsibility for following any University protocol related to pandemics, natural disasters, and other public health and safety events. Students are expected to follow all directives published by Tennessee Tech on its Environmental Health & Safety webpage.

Tennessee Technological University

School of School of Interdisciplinary Studies

LIST 3453 – Financial Literacy:
Investing and Retirement Planning.
1 Credit

Instructor:
Email:
Phone:

Prerequisites: N/A

Textbook: Course materials provided through iLearn.

Course Description: This course focuses on the important topic of financial literacy. The course explores the topics protecting family wealth, creating family wealth, and retirement strategies.

The course is a collaboration with iGrad. iGrad was created to empower students and families to make effective and informed decisions concerning personal finance, student loans, and career paths.

Course Objectives/Student Learning Outcomes:

After completing this course students will be better able to:

- **Understand essential elements of personal finance.**
- **Assess personal financial wellness and implement strategies for improvement.**

Topics for the course include:

1. Protecting Your Family
2. Safeguarding Income
3. Workplace Investment Plans
4. IRA plans
5. Brokerage Accounts and Taxes
6. Retirement Strategies
7. Social Security and Retirement

Special Instructional Platform /Materials: iLearn

Course Evaluation Procedures

All seven modules of the course must be completed. Each module contains videos, readings, and a quiz. All assignments must be uploaded through iLearn. Students must attain at least 80% in the iGrad components to receive credit for the assignment. You must submit a pdf or screen shot of the "Course Completion" page.

Each module has a 25-point quiz. The quizzes can be accessed through the Quiz link under the Assessment link.

Each module contains a 25-point discussion board assignment that requires application of the materials covered in the module and response to other learners. For example, What role does Social Security impact retirement preparation?

Final Project: select one of the main topics and write a 3-5 page paper on how your thinking has changed about the topic as a result of this course.

Grading Scale: 625 points

A = 90%, B = 80%, C = 70%, D = 60%, F = BELOW 60

Module Completion:	175 points
Quizzes:	175 points
Discussion Board:	175 points
Final Project:	100 points

Class Policies

Student Academic Misconduct Policy

Maintaining high standards of academic integrity in every class at Tennessee Tech is critical to the reputation of Tennessee Tech, its students, alumni, and the employers of Tennessee Tech graduates. The Student Academic Misconduct Policy 217 describes the definitions of academic misconduct and policies and procedures for addressing Academic Misconduct at Tennessee Tech. Effective July 20, 2023, the university's student academic misconduct policy has been revised and is published at Policy Central. Students are expected to review and read this policy as part of their orientation to the syllabus and the course expectations.

AI policy statement: Permitted when Assigned in this Course with Attribution.

In this course, Generative AI resources are allowed to be used for specific assignments or within set parameters, as designated by the instructor.

To ensure academic integrity, students must openly disclose any AI-generated material they utilize and provide proper attribution. This includes in-text citations, quotations, and references.

To indicate the use of a Generative AI resource, a student should include the following statement in their assignments: "The author(s) acknowledge the utilization of [Generative AI Tool Name], a language model developed by [Generative AI Tool Provider], in the preparation of this assignment. The [Generative AI Tool Name] was employed in the following manner(s) within this assignment [e.g., brainstorming, grammatical correction, citation, specific section of the assignment]."

Proper citation guidelines can be found on the **CITL website**.

Disability Accommodation

Students with a disability requiring accommodations should contact the accessible education center (AEC). An accommodation request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, room 112; phone 931-372-6119. For details, view Tennessee Tech's policy 340 – services for students with disabilities at policy central.

Additional Resources

Technical Help

If you are experiencing technical problems, visit the myTech IT Helpdesk for assistance.
If you are having trouble with one of the instructional technologies (i.e. Zoom, Teams, Qualtrics, Respondus, or any technology listed here)visit the Center for Innovation in Teaching and Learning (CITL) website or call 931-372-3675 for assistance.

For accessibility information and statements for our instructional technologies, visit the CITL's Learner Success Resource page.

Tutoring

The university provides free tutoring to all Tennessee Tech students. tutoring is available for any class or subject as well as writing, test prep, study skills, resumes. Appointments are scheduled. Please see the Learning Center website for more information.

Counseling Center

The Counseling Center offers brief, short-term, solution-focused therapeutic interventions for Tennessee Tech University students. The staff of the Counseling Center is available to assist students with their personal and social concerns in hopes of helping them achieve satisfying educational and life experiences. To learn more or schedule an appointment, visit the Counseling Center website.

Health Services

Health Services offers high-quality, affordable care that is accessible and promotes the health and wellness of our Tennessee Tech community. Visit the Health Services website to learn more.

Emergency Preparedness Protocols

Each student must take personal responsibility for knowing and following any University protocol related to pandemics and other public health events. Students are expected to follow all directives published by Tennessee Tech on its official webpage. As conditions related to the COVID-19 pandemic change, the University's COVID-19 protocols are also likely to change. Students are expected to monitor the University's official webpage to stay up to date on public health protocols.

16b. Interdisciplinary Studies: 2 Curriculum Changes for Flight Foundations

I. Curriculum Change: Revise the general education (Flight Foundations) curriculum for all Interdisciplinary Studies majors (Interdisciplinary Studies and Interdisciplinary Computing)

Category	Interdisciplinary Studies Hours	Interdisciplinary Computing Hours
Quantitative Reasoning and Analysis	3	3
Humanities and Cultural Expression	6	6
Historical Foundations	6	6
Social and Behavioral Sciences	6	6
Communication	9	9
Scientific Reasoning	4	8
Financial and Digital Literacy	3	3
Flexible General Education*	4	0
Total	**41**	

*Flexible GenEd hours must be taken withing the categories of Humanities, Natural Science, or Financial and Digital Literacy, but cannot exceed the upper limit for any of those categories.

II. JUSTIFICATION: These changes are consistent with the new university Flight Foundations general education core requirements. Reducing the Scientific Reasoning category at 4 hours, reducing the Humanities and Cultural Expression category to 6 hours, and defining the new Financial & Digital Literacy category at the minimum of 3 hours, allows Interdisciplinary Studies majors maximum flexibility completing their general education requirement for graduation.

III. Effective Date: Fall 2026

IV. Financial Impact: None

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

IC-BS - Interdisciplinary Computing, B.S.

Program Overview

Program Long Title
Interdisciplinary Computing, B.S.

College/School
Emerging and Integrative Studies

Department(s)
Interdisciplinary Studies

Requirements

No Requirements

Degree Map

Degree Map Name
Interdisciplinary Computing, B.S.

Total Degree Map Credits
120

Degree Map Effective Catalog Year
2526 -

Year	Semester	Actual Credits
Freshman Year	Fall	13

Requirement Select
- ENGL1010 - English Composition I

Actual Credits 3

Requirement Select
- IC1020 - IC 1020: Connections to Interdisciplinary Computing

Actual Credits 1

Requirement Select
- CSC 1380 - Algorithmic Thinking I in Python (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- MATH1830 - Applied Calculus **OR**
  MATH1845 - Technical Calculus
- **OR**
  MATH1904 - Extended Calculus IA
- OR
  MATH1910 - Calculus I
-

Actual Credits 3

Requirement Select
- IC1200 - IC 1200: Introduction to Interdisciplinary Computing

Actual Credits 3

Year	Semester	Actual Credits
Freshman Year	Spring	17

Requirement Select
- ENGL1020 - English Composition II

Actual Credits 3

Requirement Select

- Scientific Reasoning

Actual Credits 4

Requirement Select

- IC 2200 - Technology, Society, and Ethics (3 cr.) (Generic)

Actual Credits 3

Requirement Select

- CSC 1390 - Alg Thinking II and Data Structures (4 cr.) (Generic)

Actual Credits 4

Requirement Select

- COMM2025 - Fundamentals of Communication

OR

- PC2500 - Communicating in the Profess.

Actual Credits 3

Year	Semester	Actual Credits
Sophomore Year	Fall	16

Requirement Select

- Financial or Digital Literacy

Actual Credits 3

Requirement Select

- CSC 2380 - Software Development (4 cr.) (Generic)

Actual Credits 4

Requirement Select

- CSC2220 - Data Science & AI for Everyone

Actual Credits 3

Requirement Select

- IC 2300 - Design Thinking (3 cr.) (Generic)

Actual Credits 3

Requirement Select

- Cognate Area I (3 cr.) (Generic)

Actual Credits 3

Year	Semester	Actual Credits
Sophomore Year	Spring	15

Requirement Select

- Humanities and Cultural Expression

Actual Credits 3

Requirement Select
- CSC2700 - Discrete Structures for CSC

Actual Credits 3

Requirement Select
- LIST3100 - Critical Thnk/Problem Solv

Actual Credits 3

Requirement Select
- CognateArea II (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- MATH1530 - Introductory Statistics

Actual Credits 3

Year	Semester	Actual Credits
Junior Year	Fall	15

Requirement Select
- LIST 3310 - Entrepreneurship (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- CSC2510 - Intro to DevOps with Unix

Actual Credits 3

Requirement Select
- CSC 3380 - Introduction to UX/UI (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- HIST2010 - Early United States History

Actual Credits 3

Requirement Select
- CognateArea III (3 cr.) (Generic)

Actual Credits 3

Year	Semester	Actual Credits
Junior Year	Spring	17

Requirement Select
- Elective (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- HIST2020 - Modern United States History

Actual Credits 3

Requirement Select
- CognateArea IV (3 cr.) - 3000-4000 level (Generic)

Actual Credits 3

Requirement Select
- IC 3100 - Cognate Computing Studio I (4 cr.) (Generic)

Actual Credits 4

Requirement Select
- Scientific Reasoning

Actual Credits 4

Year	Semester	Actual Credits
Senior Year	Fall	15

Requirement Select
- Social/Behavioral Sciences

Actual Credits 3

Requirement Select
- CSC 3390 - Data Management and Analysis (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- CognateArea V (3 cr.) - 3000-4000 level (Generic)

Actual Credits 3

Requirement Select
- IC 4100 - Cognate Computing Studio II (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- LIST4710 - Workplace Conflict/Resolution

Actual Credits 3

Year	Semester	Actual Credits
Senior Year	Spring	12

Requirement Select
- Social/Behavioral Sciences

Actual Credits 3

Requirement Select
- Humanities and/or Fine Arts

Actual Credits 3

Requirement Select
- Elective (3 cr.) (Generic)

Actual Credits 3

Requirement Select
- IC 4200 - Cognate Computing Studio III (3 cr.) (Generic)

Actual Credits 3

LIST-BS - Interdisciplinary Studies, B.S.

Program Overview

Program Long Title
Interdisciplinary Studies, B.S.

College/School
Emerging and Integrative Studies

Department(s)
Interdisciplinary Studies

Degree Map

Degree Map Name
Degree Plan - Interdisciplinary Studies, B.S.

Total Degree Map Credits
120

Degree Map Effective Catalog Year
2425 -

Year	Semester	Actual Credits
Freshman Year	First Semester	16

Requirement Select
- ENGL1010 - English Composition I

Actual Credits 3

Requirement Select
- Quantitative Reasoning and Analysis

Actual Credits 3

Requirement Select
- Humanities and Cultural Expresson

Actual Credits 3

Requirement Select
- Scientific Reasoning

Actual Credits 4

Requirement Select
- Elective (3 cr.) (Generic)

Actual Credits 3

Year	Semester	Actual Credits
Freshman Year	Second Semester	14

Requirement Select
- ENGL1020 - English Composition II

Actual Credits 3

Requirement Select
- Humanities and Cultural Expression

Actual Credits 3

Requirement Select
- Flexible Elective=General Education

Actual Credits 4

Requirement Select

- Electives (4 cr.) (Generic)

Actual Credits 4

Year	Semester	Actual Credits
Sophomore Year	First Semester	15

Requirement Select

- Financial or Digital Literacy

Actual Credits 3

Requirement Select

- HIST2010 - Early United States History

Actual Credits 3

Requirement Select

- Social/Behavioral Sciences

Actual Credits 3

Requirement Select

- Electives (6 cr.) (Generic)

Actual Credits 6

Year	Semester	Actual Credits
Sophomore Year	Second Semester	15

Requirement Select

- HIST2020 - Modern United States History

Actual Credits 3

Requirement Select

- PC2500 - Communicating in the Profess.

  OR
- COMM2025 - Fundamentals of Communication

Actual Credits 3

Requirement Select

- Social/Behavioral Sciences

Actual Credits 3

Requirement Select

- Electives (6 cr.) (Generic)

Actual Credits 6

Year	Semester	Actual Credits
Junior Year	First Semester	15

Requirement Select

- Emphasis Area 1 (Generic)

Actual Credits 6

Requirement Select

- Elective Credit (Generic)

Actual Credits 9

Year	Semester	Actual Credits
Junior Year	Second Semester	15

Requirement Select

- Electives (9 cr.) (Generic)

Actual Credits 9

Requirement Select

- Emphasis Area 1 (Generic)

Actual Credits 6

Year	Semester	Actual Credits
Senior Year	First Semester	15

Requirement Select

- Emphasis Area 2 (Generic)

Actual Credits 9

Requirement Select

- Electives (5 cr.) (Generic)

Actual Credits 5

Requirement Select

- LIST4994 - Introduction to Capstone

Actual Credits 1

Year	Semester	Actual Credits
Senior Year	Second Semester	15

Requirement Select

- Emphasis Area 2 (Generic)

Actual Credits 3

Requirement Select

- LIST4995 - Culminating Project

  OR
- PRST4995 - Culminating Project

Actual Credits 3

Requirement Select

- Electives (9 cr.) (Generic)

Actual Credits 9

Requirement Select

- A total of 36 hours are required at the 3000-4000 level. A total of 12 hours are required at the 4000-level. (Generic)

Actual Credits -

17. Agriculture: Revision of the General Education Flight Foundations Curriculum for Agriculture, Agronomy and Precision Agriculture, BSAG

Course Additions: None

A. **Course Deletions: None**

C. **Course Changes: None**

D. **Course Updates (By Degree)**

Category	
Quantitative Reasoning and Analysis	3
Humanities and Cultural Expression	6
Historical Foundations	6
Social and Behavioral Sciences	6
Communication	9
Scientific Reasoning	8
Financial and Digital Literacy	3
Total	41

Justification: These changes align with university updates of curriculum to Flight Foundations.

Effective Date: Fall 2026

Financial Impact: These curriculum changes have no financial impact and are effective Fall 2026 for incoming freshmen.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

Student ID: _____ **Student Name:** _____ **Advisor Name:** _____	**Catalog: 2025-2026 Undergraduate Catalog** **Program: Agriculture, Agronomy & Precision Agriculture, B.S.AG** **Minimum Credits Required: 120**

Agriculture, Agronomy & Precision Agriculture, B.S.AG.

Curriculum

Freshman Year (32 Cr. Hr.)

First Semester (15-17 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
AGR 1020 - Connections to Agriculture	Credit: 1.			
AGRN 1100 - Plant Science	Credit: 3.			
AGRN 1110 - Plant Science Laboratory Corequisite: AGRN 1100 unless credit for AGRN 1100 has previously been earned.	Credit: 1.			
CHEM 1010 - Introductory Chemistry I or CHEM 1110 - General Chemistry I	Credit: 4.			
ENGL 1010 - English Composition I	Credit: 3.			

Select one:

Course Name	Credit	Term Taken	Grade	Gen Ed
MATH 1530 - Introductory Statistics	Credit: 3.			
MATH 1710 - Pre-calculus Algebra Prerequisite: A minimum ACT Math sub-score of 19, or completionof Learning Competencies 1 through 5, or a minimum grade of C in MATH 1000.	Credit: 3.			
MATH 1730 - Pre-calculus Mathematics Prerequisite: ACT Math score of 25 or higher or equivalent placement exam score. Two years of high school algebra, one yearof high school geometry, and 12 weeks of trigonometry.	Credit: 5.			
MATH 1830 - Applied Calculus Prerequisite: ACT Math score of 25 or above and three years of highschool mathematics, including algebra and geometry; or, special permission of the Mathematics Department; or, C or better in MATH 1710 or equivalent.	Credit: 3.			
MATH 1910 - Calculus I Prerequisite: ACT Math score of 27 or above and four years of highschool mathematics, including algebra, geometry, trigonometry, and advanced or pre-calculus mathematics; or, special permission of the Mathematics Department; or, C or better in MATH 1730; or, C or better in MATH 1720 and MATH 1710; or equivalent.	Credit: 4.			
Total: 15-17				

Second Semester (17 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
Social & Behavioral Science Elective (Course Set)	Credit: 3.			
Humanities and Cultural Expression (Course Set)	Credit: 3.			
ANS 1200 - Introductory Animal Science	Credit: 3.			
ANS 1210 - Introductory Animal Science Laboratory Corequisite: ANS 1200 unless credit for ANS 1200 has previouslybeen earned.	Credit: 1.			
Scientific Reasoning (Course Set)	Credit: 4.			
Communication Elective (Course Set)	Credit: 3.			
Total: 17				

Sophomore Year (32 Cr. Hr.)

First Semester (16 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
AGET 1600 - Practical Applications in Agricultural Systems	Credit: 3.			
AGRN 2400 – Intro to Soils	Credit: 3.			
AGRN 2415 – Intro to Soils Lab (not a co-requisite)	Credit: 1			
HIST 2010 - Early United States History	Credit: 3.			
AGBE 2100 - Economics of Agriculture	Credit: 3.			
Digital and Financial Literacy Elective	Credit 3.			
Total: 16				

Second Semester (16 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
AGBE 3220 – Data Acquisition and Computer Analysis	Credit: 3.			
HIST 2020 - Modern United States History	Credit: 3.			
Humanities and Cultural Expression (Course Set)	Credit: 3.			
AGET 3520 – Agricultural Spatial Technology I	Credit: 3.			
AGR 2022 - Professionalism	Credit: 1.			
AGET 2110 - Agricultural Engineering Technology Corequisite: AGET 2115.	Credit: 2.			
AGET 2115 - Agricultural Engineering Technology Laboratory Corequisite: AGET 2110.	Credit: 1.			
or				
AGET 3110 - Agricultural Engineering Technology Corequisite: AGET 2115.	Credit: 2.			
AGET 3115 - Agricultural Engineering Technology Laboratory Corequisite: AGET 2110.	Credit: 1.			
Total: 16				

Junior Year (32 Cr. Hr.)

First Semester (16 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
Communication Elective (Course Set)	Credit: 3.			
AGRN 3400 – Crop Pests & Diseases	Credit: 3			
AGET 3600 – Unmanned Aerial Systems	Credit: 3.			
AGET 3540 – Fundamentals of GIS	Credit: 3.			
AGRN 4210 – Soil Fertility & Fertilizers	Credit: 3.			
General Elective	Credit: 1.			
Total: 16				

Second Semester (16 Cr. Hr.)

Course Name				
Social & Behavioral Science Elective (Course Set)	Credit: 3.			
AGRN 3020 – Crops in Sustainable Systems	Credit: 3.			

AGR 3000 - Leadership and Service **OR** AGR 3200 Study Abroad Exploration	Credit: 3.			
AGRN 4950 – Agronomy Topics (Internship)	Credit: 3.			
Upper-Division Agriculture Elective[1]	Credit 3.			
General Elective	Credit: 1.			
Total: 16				

Senior Year (24 Cr. Hr.)

First Semester (12 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
AGRN 4100 – Weed Science	Credit: 3.			
AGET 4510 – Ag Remote Sensing	Credit: 3.			
Upper Division Ag Elective[1]	Credit: 3.			
General Electives	Credit: 3.			
Total: 12				

Second Semester (12 Cr. Hr.)

Course Name	Credit	Term Taken	Grade	Gen Ed
AGET 4520 – Ag Spatial Tech II	Credit: 3.			
AGR 4500 - Senior Seminar Prerequisite: Senior standing.	Credit: 1.			
Upper-Division Agriculture Elective[1]	Credit: 3.			
Upper-Division Agriculture Elective[1]	Credit: 3.			
General Electives	Credit: 2.			
Total: 12				

Note:

1	Can be from any Agriculture discipline. (AGBE, AGED, AGET, AGHE, AGHT, AGRN, ANS and ANPS)

Notes:

18a Communication and Media: New Prefix and 11 New Courses

I. Addition of new prefix (FILM)

Justification: New courses within the discipline of film and screen studies will be located within this rubric. FILM was chosen to eliminate any potential confusion on the course topics within this rubric.

Cost: None

Effective: Fall 2026

I. Addition of Courses

Two new courses will be added under the prefix FILM and offered through the Department of Communication & Media.

FILM 2300 Introduction to Screen Studies Lec. 3 Credit 3.

Catalog Course Description: Prerequisite: None. This course introduces fundamental concepts of film analysis while expanding toward contemporary screen cultures, including television, video games, mobile and social media, and digital platforms. Topics include spectatorship, interface, representation, interactivity, and the cultural, social, and political implications of screen environments.

Justification: To provide instruction in screen studies.

Cost: None
Effective: Fall 2026

FILM 3300-3309 Special Topics in Film Studies Lec. 3 Credit 3.

Catalog Course Description: Prerequisite: None. Introductory course on a selected topic, or interest area in film studies not covered in existing courses. Course may be repeated for credit under a different subtitle, up to six hours of credit.

Justification: To offer instruction in a variety of topics related to film and film studies in a vital academic discipline that develops students' critical, analytical and creative skills.

Note: Special topics courses can be taken twice, and all special topic courses are three (3) credit hours.

Cost: None
Effective: Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

18b. Communication and Media: 1 New Minor

I. Addition of Minor

A minor in film and screen studies will be offered through the Communication & Media Department. The minor will consist of the following courses:

Required Classes (6 hours)
JOUR 3500 Visual Storytelling
and
ENGL 2200 Intro to Film Studies
or
FILM 2300 Introduction to Screen Studies

Elective Classes (9 hours)
COMM 3120 Visual Communication/Rhetoric
FILM 3300-3309 Special Topics in Film Studies
HIST 4400-4409 Film Studies
JOUR 3120 Film and American Culture
JOUR 4500 Advanced Visual Storytelling
POPC 4050 Science Fiction and Fantasy
POLS 4430 Power and Privilege on Screen
ENGL 4983 African Film Studies
THEA 3600 Film Studies

Note: Substitutions must be approved by the chair of the Communication and Media Department.

Justification: Film and screen media are among the most influential art forms of the modern era. They shape cultural narratives, reflect societal values and influence public opinion. A minor in Film and Screen Studies allows students to critically analyze visual storytelling, cinematic techniques and the social contexts in which films and media are produced and consumed. Additionally, this minor would (a) enhance interdisciplinary relevance by intersecting with four other disciplines, (b) enrich career preparation by utilizing skills developed within the minor to apply to professions such as marketing, education and business, (c) meet student interest and demand by understanding interest in film and media continues to grow among students, who increasingly consume and create digital content. Providing a structured minor acknowledges this interest, giving students a formal pathway to pursue their passion while complementing their major.

Cost: None
Effective: Fall 2026

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

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19a. Chemical Engineering: 1 Course Change

JUSTIFICATION

In 2021, the department proposed a number of changes to its curriculum which spilt the lab portions of a number of required junior and senior from the lecture courses, maintaining the content of the former course in the split courses. This created a 3 credit hour lecture plus a one credit hour lab for each of several courses, summarized below:

Before 2021 Change	After 2021 Change
CHE 3111 (4 cr)	CHE 3050 (3 cr) + CHE 3051 (1 cr)
CHE 3021 (4 cr)	CHE 3510 (3 cr) + CHE 3511 (1 cr)
CHE 3121 (4 cr)	CHE 3550 (3 cr) + CHE 3551 (1 cr)
CHE 4131 (4 cr)	CHE 4050 (3 cr) + CHE 4051 (1 cr)
CHE 4210 (4 cr)	CHE 4060 (3 cr) + CHE 4061 (1 cr)

The above changes were approved at the Department, College and University, and most of the dependent courses (courses for which the 4 credit-hour courses were previously prerequisites) were updated appropriately to reflect the new course number. However, a clerical error was made in the update to the prerequisites for **Separations & Solution Thermodynamics (CHE 3510)**, as the prerequisites for its predecessor course were put in their place, instead of the appropriate prerequisite. This memo is corrective of these errors.

COURSE CHANGES

1. **FROM**:
CHE – 3510 – Separations & Solution Thermodynamics
Lec. 3

Prerequisites: CHE 2015, MATH 2110, MATH 2120
Corequisites: CHE 3511

Catalog Description: Analysis and prediction of mixture properties at equilibrium in single and multiple phases. Lab is focused on solution thermodynamic topics and industrially-relevant separation processes.

TO:
CHE – 3510 – Separations & Solution Thermodynamics
Lec. 3

Prerequisites: CHE 3010
Corequisites: CHE 3511

Catalog Description: Analysis and prediction of mixture properties at equilibrium in single and multiple phases. Lab is focused on solution thermodynamic topics and industrially-relevant separation processes.

JUSTIFICATION: The change is simply updating the prerequisite courses which were reverted to the course taken prior to this one in error. Colloquially, this is adjusting the prerequisites to make "Thermo I" the prerequisite for "Thermo II".

NOTE: Each of the current prerequisites courses listed for CHE 3510 are prerequisites for CHE 3010 and therefore remain de facto prerequisites for this course.

Financial Obligations: None.

19b. Chemical Engineering – 1 Course Change

JUSTIFICATION

In 2021, the department proposed a number of changes to its curriculum which spilt the lab portions of a number of required junior and senior from the lecture courses, maintaining the content of the former course in the split courses. This created a 3 credit hour lecture plus a one credit hour lab for each of several courses, summarized below:

Before 2021 Change	After 2021 Change
CHE 3111 (4 cr)	CHE 3050 (3 cr) + CHE 3051 (1 cr)
CHE 3021 (4 cr)	CHE 3510 (3 cr) + CHE 3511 (1 cr)
CHE 3121 (4 cr)	CHE 3550 (3 cr) + CHE 3551 (1 cr)
CHE 4131 (4 cr)	CHE 4050 (3 cr) + CHE 4051 (1 cr)
CHE 4210 (4 cr)	CHE 4060 (3 cr) + CHE 4061 (1 cr)

The above changes were approved at the Department, College and University, and most of the dependent courses (courses for which the 4 credit-hour courses were previously prerequisites) were updated appropriately to reflect the new course number. However, a clerical error led to the senior **Transport in Biochem/Biol Processes course (CHE 4661)** not having its prerequisites updated. Because this caused prerequisite errors the next fall, it appears that the prerequisites in Banner were altered to remove the errors; however, the University catalog was not updated to match Banner. This memo is corrective of those omissions.

COURSE CHANGES

1. **FROM**:
CHE – 4661 – Transport in Biochem/Biol Processes
Lec. 2 Lab 2: Credits 3

Prerequisites: CHE 3111, CHE 3121, CHE 4131 and CHE 4210 or consent of instructor

Catalog Description: Applications of chemical engineering principles to the study of biochemical and biological systems. Lab is centered around various techniques used in the biochemical and biological field.

TO:
CHE – 4661 – Transport in Biochem/Biol Processes
Lec. 2 Lab 2: Credits 3

Prerequisites: CHE 4050, and CHE 4060

Catalog Description: Applications of chemical engineering principles to the study of biochemical and biological systems. Lab is centered around various techniques used in the biochemical and biological field.

JUSTIFICATION: The change is simply updating the prerequisite course number in the Catalog to match the new course names and what is enforced in Banner.

NOTE: The 3000 level courses listed in the current prerequisites are not mirrored in the update, as they are themselves prerequisites for the 4000 level courses which remain prerequisites (with updated course numbers), and would thus be redundant.

Financial Obligations: None.

Motion to approve: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried

There being no other such matters, Dr. Wendt asked for a motion to adjourn.

Motion to adjourn: Lisa Zagumny
Second: Julie Baker
Vote: Motion Carried.

Meeting adjourned at 3:41 p.m.