



TEXAS TECH UNIVERSITY

From here, it's possible.



# Texas Tech University And Wayland Baptist University Student Access and Success Memorandum of Understanding

## Parties

This Memorandum of Understanding (the “Agreement”) is between Texas Tech University (“TTU”) and Wayland Baptist University (“WBU”) (individually “Institution” or collectively “Institutions”) and outlines their commitment to the *Student Access & Success* program (“Program”). WBU is considered as a whole and, unless expressly specified otherwise in this Agreement, this Agreement extends to all campuses within the WBU system or district. TTU and WBU enter into this Agreement in the spirit of cooperation and mutually recognize each other as quality Institutions of higher learning.

## Background

TTU created the Program to support State of Texas’ and Texas Higher Education Coordinating Board’s *Building a Talent Strong Texas* initiative promoting access, affordability, quality, success, and cost efficiency in Texas’ institutions of higher education. The mission of the Program is to support a more globally competent workforce by increasing attainment of postsecondary credentials of value. The goal of the Program is to increase access to and the number of transfer pathways from which prospective students may choose to pursue a baccalaureate degree while seeking to reduce overall costs of education.

The oldest institution of higher education in continuous existence on the High Plains of Texas, Wayland Baptist University was founded in 1908 by a pioneer physician committed to the value of education. Fully accredited by the Southern Association of Colleges and Schools Commission on Colleges, Wayland exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success and service to God and humankind. Consistent with this mission, Wayland offers degrees at the Associate, Bachelor’s, Master’s, and Doctoral level in multiple locations and on online, and partners with area institutions to promote additional educational opportunities for its students.

## Purpose

The purpose of this partnership is to provide opportunities for students to continue an engineering transfer curriculum from WBU to the completion of a Bachelor's degree curriculum in Engineering at TTU. WBU and TTU will encourage students to complete an entire Engineering Transfer Curriculum at WBU before transferring to TTU. Transfer course curriculum for engineering is included in Attachment A of this agreement.

WBU students who transfer to TTU are eligible to receive degree credit for the courses listed in the attached addendum under the terms of this agreement. Although not covered by this agreement, transfer of additional coursework is possible.

WBU students who transfer to TTU are eligible to receive transfer scholarships as outlined in Addendum I of this agreement.

WBU students meeting the Whitacre College of Engineering *assured admission standards* for transfer students are guaranteed admission to the Whitacre College of Engineering:

- 1.) Complete 24 or more semester hours of transferable college work beyond high school graduation and
- 2.) 2.75 cumulative GPA.

Transfer students meeting the assured admission criteria for the Whitacre College will enter into the college's "foundational" curriculum in their respective engineering major department (i.e. civil, chemical, etc.). Students will be required to complete a minimum of 12 semester credit hours with a GPA of 2.5\* or higher of coursework applicable to progression in their respective engineering major to be fully admitted into their chosen departmental program.

### \*Note:

- 1.) Mechanical engineering program requires a 3.00 or higher GPA
- 2.) Petroleum engineering program requires a 3.00 or higher GPA. Due to the competitive nature of this program 98 students in a given academic year will be allowed to transition to the upper division degree program. The transition from lower-division to upper division curriculum occurs when the student has:
  - Completed the First Common Year curriculum,
  - Completed 12 credit hours of Texas Tech University coursework, and
  - Earned minimum Texas Tech GPA of 3.0 or higher.

WBU students not meeting the Whitacre College of Engineering assured admission standards, but who are admitted to TTU may be admitted to the Explore STEM pre-engineering program. Explore STEM students take courses as advised by the pre-engineering program advisors in the University Advising Center. To be admitted to the Whitacre College of Engineering's Engineering Foundational program from the Explore STEM pre-engineering program, students will need to earn the following at TTU:

- 1.) 12 or more semester credit hours of engineering related math, science and core curriculum coursework,
- 2.) A grade of C or better in Calculus I, and
- 3.) 2.75 or better Texas Tech University institutional GPA.

## **Responsibilities**

### **1) TTU's Responsibilities:**

- 1.) Promote the seamless transfer of students to TTU by ensuring that WBU course equivalency evaluations are current and readily available to students and academic advisors at WBU.
- 2.) Provide pre-transfer academic advising per semester through Undergraduate Admissions transfer advisors while students are attending WBU.
- 3.) Utilize the process outlined in Section 3 of this agreement whereby transcript information from TTU will be reported back to WBU to allow for the awarding of "Reverse Articulated" baccalaureate degree(s).
- 4.) Provide communication regarding admissions policy and procedure updates, campus recruitment events, and scholarship opportunities to WBU.
- 5.) Provide a link to WBU on the Whitacre College of Engineering and Office of Academic Partnerships websites.
- 6.) Ensure all courses related to this agreement are taught by qualified faculty holding appropriate and acceptable degrees and/or credentials as outlined by SACSCOC Comprehensive Standards 3.4.11, 3.5.4 and 3.7.1.

### **2) WBU's responsibilities:**

- 1.) Promote the seamless transfer of students to TTU by ensuring that information on the transfer equivalency for WBU course(s) is current and readily available to both students and academic advisors at WBU.
- 2.) Encourage students to utilize the academic advising services and resources offered through Undergraduate Admissions at TTU.
- 3.) Within legal guidelines, provide information about prospective transfer students with the goal of making students aware of scholarship and other financial aid opportunities and the potential to satisfy Bachelor's degree requirements by transferring course work between both institutions.
- 4.) Provide a link to TTU Admissions, Whitacre College of Engineering, and The Office of Academic Partnerships on the WBU website.
- 5.) Ensure that all courses related to this agreement are taught by qualified faculty holding appropriate and acceptable degrees and/or credentials as outlined by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) Comprehensive Standards 3.4.11, 3.5.4 and 3.7.1.

**3) Mutual and Coordinated Responsibilities.** The Institutions agree to:

- a) Point of Contact. To designate an individual who will be responsible for the maintenance of the Agreement to be a central point of contact.

i) TTU designee: Clay Taylor, Ed.D. (806) 834-5492, Clay.Taylor@ttu.edu

ii) WBU designee: William Hahn, Ph.D. (806) 291-1127, hahnw@wbu.edu

- b) Reverse Transfer Process. To facilitate WBU's ability to offer reverse transfer articulated baccalaureate degrees, the Offices of the Registrar at TTU and at WBU agree to the following procedure:

i) ***The Registrar at TTU will:***

- (1) Identify students meeting the following criteria:

(a) Student has earned 31 or more college-level transfer credit hours at WBU.

(b) Student has 60 total earned hours (transfer and TTU hours combined).

(c) Note: Eligible students will approve or deny permission via *MyTech* for TTU to send transcripts and student contact information to WBU.

- (2) At the end of each semester, TTU will:

(a) Provide participating student's transcripts to WBU for review for a baccalaureate degree. Transcripts will be sent to WBU designee: Bonnie Bagwell, (806) 291-3474, bagwellb@wbu.edu

ii) ***The Registrar at WBU will:***

- (1) Evaluate TTU transcripts.

- (2) Contact WBU students regarding any other requirements for the awarding of the baccalaureate degree.

- (3) Award baccalaureate degrees based on current requirements.

- (4) Each semester provide the Office of the Registrar at TTU with an electronic file reflecting awarded baccalaureate degrees and official transcripts by:

(a) Designating on the original list from TTU the month and year for each participant who has earned a baccalaureate degree.



- (5) E-mail updated, original participant list and transcripts with the awarded degree back to TTU via Delores Sanchez, TTU Registrar's Office at *delores.sanchez@ttu.edu*

## **General Terms**

- 1) Costs. This Agreement is not a commitment of funds and does not create any fiscal obligation on the part of either Institution. Each Institution will bear its own costs, risks, and liabilities arising out of its obligations and efforts under this Agreement during the period it is in effect. No Institution shall have any right for reimbursement, payment, or compensation of any kind for work performed under this Agreement.
- 2) Term. This Agreement begins on the date of last signature and expires five (5) years from that date.
- 3) Extension. The Institutions may extend this Agreement for up to three (3) optional one (1) year terms, if they agree in writing at least sixty (60) days prior to the expiration date or the expiration of the then current extended term.
- 4) Termination. Either Institution may terminate this Agreement early upon one hundred and twenty (120) days prior written notice to the other Institution.
- 5) Consequences of Termination. If the Agreement is terminated early, neither Institution has any obligation toward the other upon the effective date of termination, except that the Institutions agree to permit any students already enrolled at TTU under the terms of this Agreement to graduate.
- 6) Use of Data. Throughout the term of this Agreement, and upon termination, each Institution shall be solely responsible for data in its possession, and neither Institution shall have the authority to access, use, or disclose transferred data for purposes other than those outlined in this Agreement. The Institutions agree to abide by applicable laws with respect to access, use, disclosure, and/or disposal of data.
- 7) Family Education Rights and Privacy Act ("FERPA"). Both Institutions acknowledge a legal obligation to maintain the confidentiality and privacy of its student records in accordance with applicable law and regulations, specifically FERPA. Both Institutions agree to comply with all FERPA requirements and safeguard student information.
- 8) Governing Law. This Agreement and all of the rights and obligations of the Institutions hereto will be construed, interpreted, and governed by the laws of the State of Texas. Lubbock County, Texas, will be the proper place of venue for any legal action or proceeding arising out of this Agreement or enforcement of any provision in this Agreement.
- 9) No Waiver of Sovereign Immunity. The Institutions specifically agree that neither the execution of the Agreement by TTU nor any other conduct, action or inaction of any

representative of TTU relating to the Agreement constitutes or is intended to constitute a waiver of TTU's or the state's sovereign immunity to suit.

- 10) No Assignment. Neither this Agreement, nor any rights or obligations are assignable or transferable unless the Institutions agree in writing.
- 11) Entire Agreement; Modifications. The Agreement supersedes all prior agreements, written or oral, between WBU and TTU regarding the subject matter of this Agreement and will constitute the entire agreement between the Institutions with respect to the subject matter hereof.
- 12) Amendments. No modification or amendment to this Agreement will become valid unless agreed to in writing and signed by both Institutions. All amendments must be signed by the same person who signed this original Agreement or their successor(s).
- 13) Trafficking of Persons. Under §2155.0061, Texas Government Code, WBU certifies that the individual or business entity named in the Agreement is not ineligible to receive the specified Agreement and acknowledges that the Agreement may be terminated and payment withheld if this certification is inaccurate.
- 14) Force Majeure. “Event of Force Majeure” means an event beyond the control of WBU or TTU which prevents or makes a party's compliance with any of its obligations under the Agreement illegal or impracticable, including but not limited to: act of God (including, without limitation, fire, explosion, earthquake, tornado, drought, and flood); war, act or threats of terrorism, hostilities (whether or not war be declared), invasion, act of enemies, mobilization, requisition, or embargo; rebellion, insurrection, military or usurped power, or civil war; contamination or destruction from any nuclear, chemical, or biological event; riot, commotion, strikes, go slows, lock outs, or disorder; epidemic, pandemic, viral outbreak, or health crisis; or directive of governmental authority. No party will be considered in breach of the Agreement to the extent that performance of their respective obligations is prevented or made illegal or impracticable by an Event of Force Majeure that arises during the term (or after execution of the Agreement but prior to the beginning of the term). A party asserting an Event of Force Majeure hereunder (“Affected Party”) will give reasonable notice to the other party of an Event of Force Majeure upon it being foreseen by, or becoming known to, Affected Party. In the event of an Event of Force Majeure, Affected Party will endeavor to continue to perform its obligations under the Agreement only so far as reasonably practicable.
- 15) Emergency Health and Safety Procedures. In the event of pandemic, epidemic, viral outbreak, health crisis, or other emergency (“Emergency”), TTU may, at its sole discretion, implement new or modified health and safety procedures in order to protect the health and safety of the TTU community. In the event of Emergency, WBU agrees to adhere to all such procedures and related directives from TTU when entering onto and performing services on TTU's campus.

16) Texas Health and Safety Code. The WBU affirmatively states that it will comply with the requirements of Texas Health and Safety Code, § 161.0085(c).

17) Compliance with Texas Government Code §2274.002. If this Agreement has a value of \$100,000 or more to be paid wholly or partly from public funds of TTU, and if WBU is a company, other than a sole proprietorship, with ten (10) or more full-time employees, then pursuant to Texas Government Code §2274.002, WBU affirmatively states it does not boycott energy companies and will not boycott energy companies during the term of this Agreement. In this paragraph, the terms “company” and “boycott energy companies” shall have the meanings described in Texas Government Code §809.001.

WBU verifies it (1) does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and (2) will not discriminate during the term of the Agreement against a firearm entity or trade association.

18) No Boycott. If this Agreement has a value of \$100,000 or more that is to be paid wholly or partly from public funds of TTU, and if WBU is a company, other than a sole proprietorship, with ten (10) or more full-time employees, then pursuant to Texas Government Code Chapter 2271, WBU affirmatively states that it does not boycott Israel and will not boycott Israel during the term of this Agreement. In this paragraph, the terms “company” and “boycott Israel” shall have the meanings described in Texas Government Code §808.001.

19) Notice. Formal notice under this Agreement must also be written and delivered to the person or department named below: (1) by hand delivery, (2) by United States mail, or (3) by email. Notice will be effective upon physical delivery of the notice by messenger service; or, four (4) business days after the date of mailing by certified mail, return receipt requested; or upon acknowledgement of notice by the email recipient, either by return receipt or reply email. If no email receipt or reply has been received by the sender within one (1) business day from emailing the notice, the notice is deemed incomplete and sender must send notice by messenger or certified mail.

**If to TTU:**

Texas Tech University  
Office of Academic Partnerships  
Box 45005  
Lubbock, TX 79409  
[academicpartnerships@ttu.edu](mailto:academicpartnerships@ttu.edu)

**With a copy to:**

Texas Tech University  
Procurement Services  
Attn: Contract Management  
PO Box 41094  
Lubbock, TX 79409

**If to WBU:**

Wayland Baptist University  
Office of the Registrar  
1900 W. 7<sup>th</sup> St. CMB 1302  
Plainview, TX 79072

**With a copy to:**

Dr. William Hahn  
1900 W. 7<sup>th</sup> St. CMB 1301  
Plainview, TX 79072

contracting@ttu.edu

This Agreement shall take effect upon execution by both signatories.

IN WITNESS WHEREOF, the Institutions hereto have caused this Agreement to be executed by their authorized officers the last day and year written below.

**Signatures:**

**Texas Tech University**

**WBU**

Referred to herein as "TTU" or "Institution"

Referred to herein as "WBU" or "Institution"

Lawrence Schovanec

Lawrence Schovanec (Jun 6, 2024 06:01 CDT)

Lawrence Schovanec, Ph.D.  
President

Jun 6, 2024

Date

Ron Hendrick

Ron Hendrick (Jun 5, 2024 22:12 CDT)

Ronald Hendrick, Ph.D.  
Provost

Jun 5, 2024

Date

Bobby Hall

Bobby Hall, Ed.D.  
President

06-03-2024

Date

Cindy Marlow McClenagan, Ph.D.  
Vice President of Academic Affairs

C. Marlow McClenagan

Digitally signed by C. Marlow  
McClenagan  
Date: 2024.05.28 08:20:23 -0500

Date

# ADDENDUM 1

In addition to the requirements outlined under Responsibilities, section 2) WBU's Responsibilities, WBU shall include the following on its relevant webpages:

## Assured Admission Criteria

WBU students meeting the following combination of transferable hours and GPA are assured admission to TTU. GPA is cumulative for all transferable courses (including dual credit) from all schools attended. When a course has been taken and repeated at another institution, the credit award will match credit granted on that institution's official transcript. Texas Tech follows the sending institution's grade replacement policy.

### **Transferable Hours**

12-23 hours

24 or more hours

### **GPA Requirements**

2.50 cumulative

2.25 cumulative

Certain academic colleges and departments at TTU have special admissions requirements. Please review these requirements by college [here](#).

## Transfer Scholarships

PRESIDENTIAL TRANSFER SCHOLARSHIP	PROVEN ACHIEVERS SCHOLARSHIP
<b>QUALIFICATIONS</b> 30 Transferable GPA Hours 3.0 GPA	<b>QUALIFICATIONS</b> 60 Transferable GPA Hours 3.5 GPA
<b>\$3,000</b> per year	<b>\$4,000</b> per year
<b>RENEWAL REQUIREMENT</b> 3.0 GPA & 12 hours earned per term	<b>RENEWAL REQUIREMENT</b> 3.25 GPA & 12 hours earned per term

*Transfer Merit Scholarships are guaranteed for students who have transcripts and other required documents submitted by July 31 for Fall entry or January 15 for Spring entry. Scholarships are renewable for up to three consecutive years (six total terms). Students must enroll in a minimum of 12 credit hours; 9 must be TTU hours. Scholarships are awarded after June 1 based on availability of funds (fall entry). Students with approved consortium agreements must take a minimum of 9 TTU hours. Transferable hours exclude credit hours from AP, CLEP, or military credits. Students must meet all criteria to qualify.*

Students awarded a transfer level scholarship of \$2,500 for 3 years can be upgraded to a Presidential Transfer or Proven Achiever's level scholarship based on updated transcript information received prior to the first class day of the student's entry semester. Students are eligible for only one university level transfer scholarship.

## **More Information Regarding Transfer Scholarships**

Transfer Scholarships are offered to students who are admitted as transfer students based on official transcripts submitted to the Office of Undergraduate Admissions and pay toward fall and spring terms. Complete requirements early - final awards are based on transcripts received by July 31st for fall or January 15th for spring entry terms.

Non-residents awarded a Texas Tech competitive scholarship of \$1,000 or greater (including Proven Achievers) will qualify to pay in-state tuition.

## **Pre-Transfer Advising**

WBU students may start working with TTU pre-transfer advisors to assist in researching academic options and guide WBU students through a variety of decisions while attending WBU.

## **Regional and Online Degree Programs**

WBU students also have the ability to transfer to one of TTU's nine regional teaching sites and earn certain available degrees just as if they were attending classes on main campus in Lubbock. Check out the many options available at TTU's regional site locations as well as TTU's many online degree options.

## **General Terms**

TTU reserves the right to, without notice, (1) revise the assured admissions criteria, (2) withdraw the availability of the above mentioned scholarships and/or revise the requirements and pre-requisite to obtain such scholarships, and (3) withdraw or revise the availability of pre-transfer advising and regional and online degree programs. Additional and up-to-date information may be found at TTU Undergraduate Admission for Transfer Students.

# ATTACHMENT A [Math major with Engineering Minor, B.S.]

## Additional Requirements

- **ABET:** Required for all Engineering majors.
  - **IE 2324 Engineering Economic Analysis** (This course meets ABET requirement and Social/Behavioral Science core (080)).
  - **ENGR 2392 Engineering Ethics and Its Impact on Society.** (This course meets ABET requirement and Language, Philosophy, and Culture core (040)).

## **Texas Tech University Uniform Graduation Requirements**

### **1. Foreign Language Requirement**

*Students graduating from Texas Tech University should be able to express, negotiate, and interpret meaning in a second language.*

Any entering student who has not successfully completed two (2) years of a single foreign language in high school must complete at least two semesters (or its equivalent) of a single foreign language at the first-year college level or at least one semester of a foreign language at a 2000 level or higher as a graduation requirement. This requirement may also be satisfied by transferring in the equivalent courses from another college or university. Individual Texas Tech University colleges may have additional foreign language proficiency requirements. Additional requirements may be necessary for select majors. International students who wish to have the foreign language requirement waived should review the guidelines for high school foreign language requirements for international students.

### **2. Science Laboratory Requirement**

Students graduating from Texas Tech University are required to complete two semester credit hours of science laboratory courses. Normally this will be done by taking two 4-credit science courses or combinations of lecture and lab.

### **3. Communication Literacy Requirement**

Students will complete this requirement via junior/senior level courses at TTU.

### **4. Core Curriculum Requirement**

Students will complete the required core curriculum.

### **5. Multicultural Requirement**

In addition to the State of Texas core curriculum, every student must include at least one 3-hour multicultural course or its equivalent that focuses explicitly on the distinctive subcultures of the United States or on the culture of another society.

**Maximum number of transferrable semester credits hours to TTU degree is 80. Students may apply to bring in up to 90 degree-applicable credit hours provided a minimum of 10 degree applicable hours are upper division (3xxx/4xxx) and from a four-year institution. The student's TTU home department, college, and the Office of the Provost must approve this request.**

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Chemical Engineering, B.S.**  
**Catalog year: 2024-2025**

Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>CORE 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		CORE 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	CORE 010N; TTU Program Requirement
<b>Mathematics</b>	<b>14</b>			<b>CORE 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>20</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N + 031N lab; TTU Program Requirement
CHEM 1402 -General Chemistry II	4	CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab		CORE 030N + 031N lab; TTU Program Requirement
CHEM 3403 -Organic Chemistry I	4	CHEM 3305 + 3105 -Organic Chemistry I + Organic Chemistry I lab		TTU Program Requirement
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		CORE 030N + 031N lab; TTU Program Requirement
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040 + ABET Requirement</b>
Language, Philosophy and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301 -American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N




<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
Oral Communications core	3	No WBU Equivalent.	TTU Chemical Engineering Requires CHE 2306.	Core 090C
<b>Major Courses</b>	<b>19</b>			
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective	3			
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>83</b>		<b>Semester Credit Hours Applicable</b>	<b>55</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean

Jun 5, 2024

Date

WBU

  
Adam Reinhart, Ph.D.

Dean

6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S at WBU to Civil Engineering, B.S. at TTU**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>20</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		Core 030N + 031N lab
CHEM 1402 -General Chemistry II	4	CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab		Core 030N + 031N lab
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		Core 030N + 031N lab, TTU Program Requirement
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II	Not Required for TTU Civil	
BIOL 1400 -Life Science	4	BIOL 1402 -Biology of Animals	Basic science elective	TTU CE Required Science Elective
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301 -American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N

<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 Approved Elective: Prefer MATH 3309	3	MATH 3342 -Math Stats for Engineers		TTU Program Requirement
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>83</b>		<b>Semester Credit Hours Applicable</b>	<b>60</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)


Roland Faller, Ph.D.

Dean

Jun 5, 2024

Date

WBU



Adam Reinhart, Ph.D.

Dean

6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S at WBU to Computer Engineering, B.S. at TTU**  
**Catalog year: 2024-2025**

Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>12</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		Core 030N + 031 lab
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		Core 030N + 031 lab
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts</b>				
Choose one:	3			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science</b>				
Choose One:	3			<b>Core 080</b>
PSYC 1301 -General Psychology	3	PSY 1300 -General Psychology		Core 080N
SOCI 1301 -Introduction to Sociology	3	SOC 1300 -Introduction to Sociology	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 080N + Multicultural

<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective. MATH 4310 -Numerical Analysis (Preferred)	3	MATH 4310 -Intro to Numerical Analysis I		ECE/CS/MATH Tech elective
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>75</b>		<b>Semester Credit Hours Applicable</b>	<b>56</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU



Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean

Jun 5, 2024

Date

WBU



Adam Reinhart, Ph.D.

Dean

6/5/24

Date



**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S at WBU to Computer Science, B.S. at TTU**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>17</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers	Not Required by TTU Computer Science	
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		TTU Program Requirement
<b>Life and Physical Science</b>	<b>12</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		Core 030N + 031 lab
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		Core 030N + 031 lab
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts</b>				
Choose one:	3			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science</b>				
Choose One:	3			<b>Core 080</b>
PSYC 1301 -General Psychology	3	PSY 1300 -General Psychology		Core 080N

SOCI 1301 -Introduction to Sociology	3	SOC 1300 -Introduction to Sociology	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 080N + Multicultural
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective: <b>Prefer MATH 3309 - Probability</b>	3	MATH 3342 -Math Stats for Engineers/Scientists		TTU Program Requirement
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer  OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Additional Coursework needed</b>				
ENGL 3320 -Found of Tech Communication	3	ENGL 2311 -Technical Writing	TTU CS requires ENGL 2311	TTU Program Requirement
<b>Semester Credit Hours Transferable</b>	<b>78</b>		<b>Semester Credit Hours Applicable</b>	<b>59</b>

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## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean Jun 5, 2024

Date

WBU

  
Adam Reinhart, Ph.D.

Dean

6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Construction Engineering, B.S.**  
**Catalog year: 2024-2025**

Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>16</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N + 031 lab
GEOL 1401 -Physical Geology	4	GEOL 1303 + 1101 -Principles of Geology + lab		CORE 030N + 031 lab, Program Requirement
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		CORE 030N + 031N lab
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II	Not Required by TTU Construction	
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301 -American Government	3	POLS 1301 -American Government		
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement



<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective: <b>Prefer MATH 3309 - Probability</b>	3	MATH 3342 -Math Stats for Engineers/Scientists		TTU Program Requirement
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>79</b>		<b>Semester Credit Hours Applicable</b>	<b>56</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean Jun 5, 2024

Date

WBU

  
Adam Reinhart, Ph.D.

Dean

6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Electrical Engineering, B.S.**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>12</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		Core 030N + 031 lab
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		Core 030N + 031 lab
PHYS 2402 -University Physics II	4	PHYS 2401 -Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N, TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science Choose One:</b>	<b>3</b>			<b>Core 080</b>
PSYC 1301 -General Psychology	3	PSY 1300 -General Psychology		Core 080N
SOCI 1301 -Introduction to Sociology	3	SOC 1300 -Introduction to Sociology	TTU Engineering Recommends Creative Arts or Social Behavioral with Multicultural Marker	Core 080N + Multicultural

<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective	3			
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer  OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>75</b>		<b>Semester Credit Hours Applicable</b>	<b>53</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean  
Jun 5, 2024

Date

WBU

  
Adam Reinhart, Ph.D.

Dean  
6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Environmental Engineering, MEV**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>23</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N + 031N lab
CHEM 1402 -General Chemistry II	4	CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab		CORE 030N + 031N lab
PHYS 2401 -University Physics	4	PHYS 1408 -Principles of Physics I		CORE 030N + 031N lab
CHEM 3403 -Organic Chemistry I	3	CHEM 3305 -Organic Chemistry Lecture only		TTU Program Requirement
GEOL 1401 -Physical Geology	4	GEOL 1303 -Principles of Geology	Environmental Science Elective	TTU Program Requirement
BIOL 1400 -Life Science	4	BIOL 1402 -Biology of Animals		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTUABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301 -American Government	3	POLS 1301 -American Government		Core 070N

POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>	<b>19</b>			
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective: <b>Prefer MATH 3309 -Probability</b>	3	MATH 3342 -Math Stats for Engineers/Scientists		TTU Program Requirement
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>86</b>		<b>Semester Credit Hours Applicable</b>	<b>67</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
 Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean  
 Jun 5, 2024

Date

WBU



Adam Reinhart, Ph.D.

Dean  
 6/5/24

Date



**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math w/Engineering Minor, B.S to Industrial, Manufacturing & Systems Engineering, B.S.**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers	Not Require by TTU for IMSE	
<b>Life and Physical Science</b>	<b>12</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N + 031N lab
PHYS 2401 -University Physics	4	Principles of Physics I		CORE 030N + 031N lab
<b>Choose One:</b> BIOL 2408 -Fund Human A&P I <b>OR</b> CHEM 1402 -General Chemistry II <b>OR</b> PHYS 2402 -University Physics II	4	ZOOL 2403 – Anatomy and Physiology I <b>OR</b> CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab <b>OR</b> PHYS 2401 -Principles of Physics II		CORE 030N + 031N lab, TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N

<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>	<b>19</b>			
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		TTU Program Requirement
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective	3			
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer  OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>75</b>		<b>Semester Credit Hours Applicable</b>	<b>56</b>

\* TTU cannot give junior-level credit for sophomore-level courses

## Signatures:

TTU

  
Roland Faller (Jun 5, 2024 17:53 CDT)

Roland Faller, Ph.D.

Dean

Jun 5, 2024

Date

WBU



Adam Reinhart, Ph.D.

Dean

6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Mechanical Engineering, B.S.**  
**Catalog year: 2024-2025**

Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>16</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N + 031N lab
CHEM 1402 -General Chemistry II	4	CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab	Not Required by TTU for Mechanical	CORE 030N + 031N lab
PHYS 2401 -University Physics	4	Principles of Physics I		CORE 030N + 031N lab
PHYS 2402 -University Physics II	4	Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	<b>TTU Engineering Recommended</b>	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N
<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement




<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>				
MATH 1306 -Elementary Statistics	3	MATH 2300 – Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	ME 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective: <b>Prefer MATH 3309-Probability</b>	3	MATH 3342 -Math Stats for Engineers/Scientists		TTU Program Requirement
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>79</b>		<b>Semester Credit Hours Applicable</b>	<b>56</b>

\* TTU cannot give junior-level credit for sophomore-level courses

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Roland Faller, Ph.D.

Dean  
Jun 5, 2024

Date

WBU

  
Adam Reinhart, Ph.D.

Dean  
6/5/24

Date

**Curricular Articulation Crosswalk**  
**Wayland Baptist University to Texas Tech University**  
**Math with Engineering Minor, B.S to Petroleum Engineering, B.S.**  
**Catalog year: 2024-2025**


Courses in this articulation agreement will apply immediately to a student's degree plan and will expire two (2) years from the date of signature unless renewed by both institutions prior to the expiration date.				
WBU Course	SCH	TTU Equivalent	Degree Applicability Substitution/ Exception)	Requirement
<b>Written Communication</b>	<b>6</b>			<b>Core 010</b>
ENGL 1301 -Composition and Rhetoric	3	ENGL 1301 -Essentials of College Rhetoric		Core 010N
ENGL 1302 -Composition and Reading	3	ENGL 1302-Advanced College Rhetoric	TTU College of Engineering Requires ENGL 1302	Core 010N
<b>Mathematics</b>	<b>14</b>			<b>Core 020</b>
MATH 2406 -Calculus I	4	MATH 1451 -Calculus I		Core 020N
MATH 2407 -Calculus II	4	MATH 1452 -Calculus II		Core 090M
MATH 3300 -Calculus III	3	MATH 2450 -Calculus III		TTU Program Requirement
MATH 4302 -Differential Equations	3	MATH 3350 -Higher Math for Engineers		TTU Program Requirement
<b>Life and Physical Science</b>	<b>16</b>			<b>Core 030</b>
CHEM 1401 -General Chemistry I	4	CHEM 1307 + 1107 -Principles of Chemistry I with Experimental Chemistry I lab		CORE 030N
CHEM 1402 -General Chemistry II	4	CHEM 1308+ 1108 -Principles of Chemistry II with Experimental Chemistry II lab	Not Required by TTU for Petroleum	
PHYS 2401 -University Physics	4	Principles of Physics I		CORE 030N
PHYS 2402 -University Physics II	4	Principles of Physics II		TTU Program Requirement
<b>Language, Philosophy, and Culture</b>	<b>3</b>			<b>Core 040</b>
Language, Philosophy, and Culture	3	No WBU equivalent.	TTU Engineering requires ENGR 2392.	Core 040N + TTU ABET Requirement
<b>Creative Arts Choose one:</b>	<b>3</b>			<b>Core 050</b>
Art 1301 -Art Appreciation	3	Art 1309 -Art Appreciation	TTU Engineering Recommended	Core 050N + Multicultural
MUSI 1303 -Music Appreciation	3	MUHL 1308 -Music in Western Civilization		Core 050N
<b>U.S. History</b>	<b>6</b>			<b>Core 060</b>
HIST 2301 -United States History to 1877	3	HIST 2300 -History of U.S. to 1877		Core 060N
HIST 2302 -United States History since 1877	3	HIST 2301 -History of U.S. from 1877		Core 060N
<b>Political Science</b>	<b>6</b>			<b>Core 070</b>
POLS 2301-American Government	3	POLS 1301 -American Government		Core 070N
POLS 2302 -State/Local Government	3	POLS 2306 -Texas Politics & Topics		Core 070N

<b>Social and Behavioral Science</b>	<b>3</b>			<b>Core 080</b>
Social and Behavioral Science core	3	No WBU Equivalent	TTU Engineering requires IE 2324.	Core 080N + TTU ABET Requirement
<b>Oral Communications - Choose One:</b>	<b>3</b>			<b>Core 090</b>
COMS 1301 -Speech Communication	3	COMS 2300 -Public Speaking		Core 090C
COMS 1303 -Professional Communication	3	COMS 2358 -Business and Professional Communications		Core 090C
COMS 2302 -Communication in the Classroom	3	COMS 2300 -Public Speaking		Core 090C
COMS 2303 -Public Speaking	3	COMS 2300 -Public Speaking		Core 090C
<b>Major Courses</b>	<b>19</b>			
MATH 1306 -Elementary Statistics	3	MATH 2300 -- Statistical Methods		
MATH 3302 -Linear Algebra	3	MATH 2360 -Linear Algebra		
MATH 3303 -Vector Mechanics	3	CE 2301 (statics) Or ME 2301 (statics)		TTU Program Requirement
MATH 3307 -Mathematical Reasoning and Proof	3	MATH 3310 -Intro to Proof		
MATH 3000 or 4000 approved elective	3			
MSCI 2311 -Scientific Computing OR CSCI 1305 -Intro to Computer Science	3	CS 2--- Computer Science transfer  OR CS 1305		
MSCI 3101 -Faith and Science Seminar	1	TRSF 3--- No equivalent at TTU		
<b>Semester Credit Hours Transferable</b>	<b>79</b>		<b>Semester Credit Hours Applicable</b>	<b>53</b>

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