TCC2OSU
TRANSFER MAP
LINKEDEGREE

Associate in Science in Engineering (TCC) to Bachelor of Science in Industrial Engineering and Management (OSU)

Available in Stillwater

Tulsa Community College (years 1 and 2) – 2026-27

Year One – Tulsa Community College

Fall

TCC Equivalent or Substitute	OSU Requirement	✓
ENGR 1111 – Intro to Engineering	UNIV 1111	
CHEM 1365 – General Chemistry for Engineers	CHEM 1414 (LN) + 1 hour elective	
ENGL 1113 – Composition I	ENGL 1113	
MATH 2114 – Calculus I	MATH 2144 (Q)	
HIST 1483 – Am Hist 1492 – Civil War or HIST 1493 – Am Hist Civil War - Pres	HIST 1483 (H) or HIST 1493 (DH)	
Semester Credit Hours at TCC: 16		

Spring

TCC Equivalent or Substitute	OSU Requirement	✓
ENGR 1242 – Intro to Engineering Computer Programming	ENGR 1412	
MATH 2124 – Calculus II	MATH 2153 (Q) + 1 hour elective	
PHYS 2034 – Physics I with Calculus	PHYS 2014 (LN)	
ENGL 1213 – Composition II	ENGL 1213	
3 Hrs Humanities (with G or D)**	3 hours H (with G or D)**	
Semester Credit Hours at TCC: 16		

**** Minimum 6 hrs (H). Of these, 3 hours must meet the Global Designation (G) and 3 hrs must meet the Diversity (D) requirements. Students who complete their AS at TCC are eligible to have the (G) & (D) requirements waived per OSRHE policy.**

Year Two- Tulsa Community College

Fall

TCC Equivalent or Substitute	OSU Requirement	✓
ENGR 1132 – Engineering Design with Computer Aided Design	ENGR 1332	
ENGR 2213 – Thermodynamics	ENSC 2213	
PHYS 2124 –Physics II with Calculus	PHYS 2114 (LN)	
MATH 2134 – Calculus III	MATH 2163	
ENGR 2103 – Engineering Statics	ENSC 2113	
Semester Credit Hours at TCC: 16		

Spring

TCC Equivalent or Substitute	OSU Requirement	✓
Select 1: ENGR 2143 – Strength of Materials ENGR 2523 – Elementary Dynamics ENGR 2613 – Intro Electrical Science	ENSC 2143 ENSC 2123 ENSC 2613	
POLS 1113 – American Federal Government	POLS 1113	
COMM 1113 – Introduction to Communication (Gen Ed Required Elective)	SPCH 2713 (S)	
3 Hrs Humanities (with G or D)**	3 hours H (with G or D)**	
Semester Credit Hours at TCC: 12		

***TCC will substitute MATH 3013 from OSU during reverse transfer for the AS.**

Before transferring to OSU, have the TCC Registrar send an official transcript to the OSU Admissions Office with any degrees earned noted on the transcript. If you have not completed the requirements for an associate degree, talk with your OSU Academic Advisor about Reverse Transfer options to use OSU coursework to complete your TCC associate degree.

FINISH ORANGE

COLLEGE OF ENGINEERING, ARCHITECTURE AND TECHNOLOGY

Oklahoma State University (years 3 and 4) – 2026-27

Year Three – Oklahoma State University

Fall

OSU Requirement	✓
ENSC 3313 – Materials Science	
IEM 2903 – Introduction to Industrial Engineering	
IEM 3403 –Engineering Project Management	
IEM 3103 – Probability & Statistics for Engrs I	
MATH 3013 (Q) – Linear Algebra*	
Semester Credit Hours at OSU: 15	

Spring

OSU Requirement	✓
IEM 3503 – Engineering Economics Analysis	
IEM 3523 – Engineering Cost Information and Control Systems	
IEM 3703 – Probability and Statistics for Engineers II	
IEM 3813 – Work Design, Ergonomics, and Human Performance	
IEM 4013 – Operations Research	
IEM 3713 – Software Programming for Data Analytics	
Semester Credit Hours at OSU: 18	

***Action:** After completing MATH 3013, students should complete a reverse transfer to earn their A.S. Engineering from Tulsa Community College. Contact reversetransfer@tulsacc.edu to complete this process.

Year Four – Oklahoma State University

Fall

OSU Requirement	✓
IEM 3303 – Manufacturing Processes	
IEM 4113 –Experimental Design & Analysis for Engineering	
IEM 4613 – Production Planning and Control Systems	
IEM 4723 – Information Systems Design and Development	
IEM 4713 – Systems Simulation Modeling	
IEM 4623 – Supply Chain and Logistics	
Semester Credit Hours at OSU: 18	

Spring

OSU Requirement	✓
IEM 4103 – Quality Control & Reliability Analysis	
IEM 4203 – Facilities and Material Handling System Design	
Select 6 hours: IEM Elective – IEM 4163, 4783, 4953, 4990(3) or any MATH, STAT, CS or CEAT course 3000-level or above with advisor approval	
IEM 4913 – Senior Design Projects	
Semester Credit Hours at OSU: 15	

This plan is only one example of how a student may successfully complete degree requirements in four years. Students are responsible for completing the requirements as given in the official degree requirements sheet.

OSU-Tulsa
918-594-8355 • tulsa.info@okstate.edu
tulsa.okstate.edu/transfer

OSU College of Engineering, Architecture and Technology
405-744-5276 • ceat.okstate.edu