

TCC OSU

TRANSFER MAPS

OSU-Stillwater
OSU-Tulsa



Associate in Science in Mechanical Engineering (TCC) to Bachelor of Science in Mechanical Engineering (OSU)

TULSA COMMUNITY COLLEGE (years 1 and 2) – 2019-20

Year One – Tulsa Community College					
Fall Semester*			Spring Semester*		
TCC Equivalent or Substitute	OSU Requirement	✓	TCC Equivalent or Substitute	OSU Requirement	✓
ENGR 1111 – Intro to Engineering	ENGR 1111		ENGR 1242 – Intro to Engineering Computer Programming	ENGR 1412	
CHEM 1365 – General Chemistry for Engineers	CHEM 1414		ENGR 1132 – Engineering Design w/CAD - Solidworks	ENGR 1332	
ENGL 1113 – Composition I	ENGL 1113		ENGL 1213 – Composition II	ENGL 1213	
MATH 2114 – Calculus I	MATH 2144		PHYS 2034 – Engineering Physics I	PHYS 2014	
HIST 1483 – Am Hist 1492 – Civil War or HIST 1493 – Am Hist Civil War - Pres	HIST 1103		MATH 2124 – Calculus II	MATH 2153	
Semester Credit Hours at TCC: 16			Semester Credit Hours at TCC: 15		

* Students must complete 60 hours from a '4 year' school in order to meet all bachelor degree requirements. Students without any 4 year credits (AP, CLEP or University credit) will want to reverse transfer H, and S (I & D) requirements to TCC from OSU in order to ensure the '60 hrs from a 4 year school' rule is met. The BSME only has 49 hours upper division requirements.

Year Two – Tulsa Community College					
Fall Semester*			Spring Semester*		
TCC Equivalent or Substitute	OSU Requirement	✓	TCC Equivalent or Substitute	OSU Requirement	✓
ENGR 2103 – Statics	ENSC 2113		ENGR 2523 – Elementary Dynamics	ENSC 2123	
ENGR 2213 – Thermodynamics	ENSC 2213		ENGR 2143 – Strength of Materials	ENSC 2143	
PHYS 2124 – Engineering Physics II	PHYS 2114		ENGR 2613 – Intro to Electrical Science	ENSC 2613	
POLS 1113 – American Government	POLS 1113		MATH 2134 – Calculus III	MATH 2163	
MATH 2613 – Differential Equations	MATH 2233		BIOL 1224 Biology for Majors** or GEOL 1014 Gen Geology – Physical**	BIOL 1114 or GEOL 1114 (Nat Sci Elective for ME)	
Semester Credit Hours at TCC: 17			Semester Credit Hours at TCC: 16		

** The Bachelor of Science for Mechanical Engineering requires an additional Natural Science Elective. BIOL 1114 or GEOL 1114 meets this additional requirement. Course not available at OSU Tulsa. Course is not required for the TCC A.S. in Mechanical Engineering

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) – 2019-20

Year Three – Oklahoma State University			
Fall Semester		Spring Semester	
OSU Requirement	✓	OSU Requirement	✓
ENSC 3233 – Fluid Mechanics		MAE 3113 – Measurements & Instrumentation	
IEM 3503 – Engineering Economics		MAE 3724 – Dynamic Systems Analysis & Controls	
MAE 3013 – Engineering Analysis		MAE 3403 – Computer Methods	
ENSC 3313 – Material Science		3 Hrs MAE Elective (Varies)	
3 Hrs Humanities (with I or D) @ OSU*		3 Hrs Humanities (with I or D) @ OSU*	
Semester Credit Hours at OSU: 15		Semester Credit Hours at OSU: 16	

Year Four – Oklahoma State University			
Fall Semester		Spring Semester	
OSU Requirement	✓	OSU Requirement	✓
MAE 3324 – Mechanical Design I		MAE CAT I Elective (3 Hrs)	
MAE 3524 – Thermal Fluids Design		MAE CAT II Elective (4 Hrs)	
3 Hrs Technical Elective (Varies)		3 Hrs MAE Elective (Varies)	
MAE 3233 – Heat Transfer		3 Hrs Social Science Elective (with I or D) @ OSU*	
3 Hrs Social Science Elective (with I or D) @ OSU*			
Semester Credit Hours at OSU: 17		Semester Credit Hours at OSU: 13	

* Students must complete 60 hours from a '4 year' school in order to meet all bachelor degree requirements. Students without any 4 year credits (AP, CLEP or University credit) will want to reverse transfer H, and S (I & D) requirements to TCC from OSU in order to ensure the '60 hours from a 4 year school' rule is met. The BSME only has 49 hours upper division requirements.

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.

