

TRANSFER PATHWAY

Odessa College (OC) to University of Texas Permian Basin (UTPB)

Catalog Year: 2024-2025 (This pathway may be used if you entered OC on or before this academic year.)

TRANSFER PATHWAY FOR FULL-TIME STUDENTS

This semester-by-semester transfer pathway outlines the specific courses that lead to an associate's and a bachelor's degree for a full-time student. Modifications can be considered to fit the needs of part-time students or students without completed pre-requisites for certain courses. This is not an official degree plan. Please refer to the catalog for official degree requirements. For questions about the OC portion of this transfer pathway, contact the OC Pathways Advising Center at (432) 335-6433 or advising@odessa.edu. For questions about the UTPB portion of this transfer pathway, contact the UTPB Advising Office at (432) 552-2661 or advising@utpb.edu.

AS in Mechanical Engineering at OC: 60 Semester Credit Hours (SCH)

YEAR 1 - SEMESTER 1 - 16 SCH

EDUC 1300 Learning Frameworks (3 SCH)
ENGR 1201 Introduction to Engineering (2 SCH)
MATH 2413 Calculus I (4 SCH)
ENGL 1301 Composition I (3 SCH)
CHEM 1311 General Chemistry I (3 SCH)
CHEM 1111 General Chemistry I Lab (1 SCH)

YEAR 1 - SEMESTER 2 - 14 SCH

ENGR 2304 Programming for Engineers (3 SCH)
MATH 2414 Calculus II (4 SCH)
ENGL 1302 Composition II (3 SCH)
PHYS 2425 University Physics I (4 SCH)

YEAR 2 - SEMESTER 3 - 14 SCH

MATH 2415 Calculus III (4 SCH)
ENGR 1304 Engineering Graphics (3 SCH) *OR* **MATH 2320** Differential Equations (3 SCH)
HIST 1301 United States History I (3 SCH)
PHYS 2426 University Physics II (4 SCH)

YEAR 2 - SEMESTER 4 - 16 SCH

ENGR 2301 Engineering Mechanics - Statics (3 SCH)
ENGR 2405 Electrical Circuits I w Lab (4 SCH) *OR* **ENGR 2334** Chemical Engr Thermodynamics (3 SCH) *AND* **KINE 1164** Intro to Physical Fitness & Sport (1 SCH)
GOVT 2305 Federal Government (3 SCH)
ENGR 2302 Engr Mechanics - Dynamics (3 SCH)
ENGR 2332 Mechanics of Materials (3 SCH)

BS in Mechanical Engineering at UTPB: 60 Semester Credit Hours (SCH)

YEAR 3 - SEMESTER 5

ENGR 3375 Intro to Thermodynamics
ENGR 3354 Intro to Fluid Mechanics
ENGR 3390 Engineering Programming
MENG 3206 Mechanical Engr. Lab I
MATH 3310 Linear Algebra*

YEAR 3 - SEMESTER 6

MENG 3348 Comp-Aided ME Design
MENG 3351 Heat Transfer
MENG 3356 Fluid Mechanics II
MENG 3364 Mechanical Design I
MENG 3376 Thermodynamics II

YEAR 4 - SEMESTER 7

MENG 3324 Manufacturing Processes
MENG 4205 T/F and Mech. Sys. Lab
MENG 4300 Technical Elective
MENG 4300 Technical Elective
Social & Behavioral Science Course*

YEAR 4 - SEMESTER 8

ENGR 3326 Engineering Economics
MENG 4206 ME Laboratory II
MENG 4478 Senior Design
PLSC 2306 State and Local Politics*
Language, Philosophy and Culture Course*

*Offered at Odessa College



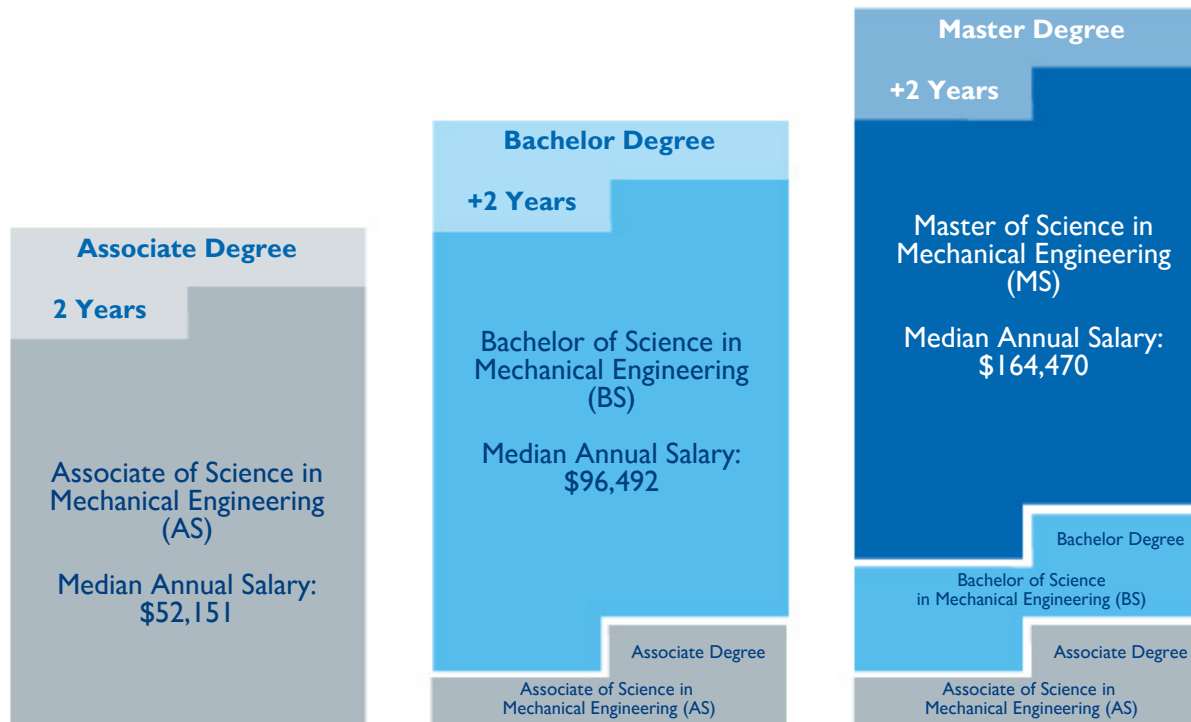
**ODESSA
COLLEGE**

The information on this document is based on data gathered in 2024. Visit odessa.lightcastcc.com for the latest labor market trends.

CAREER PATHWAY

MECHANICAL ENGINEERING

WHO'S HIRING?



Midland/Odessa



Texas



POSSIBLE CAREERS INCLUDE

Mechanical Engineer - Design Engineer - Tool Designer - Quality Manager - Process Engineer - Consultant - Information Technology - Project Manager - User Experience Designer - Software Engineer - Field Engineer - Project Manager

For more information, please contact the Keith Career & Transfer Center at 432-335-6874 or email lrc@odessa.edu. For questions about registration, please contact advising@odessa.edu.