The University of Texas at El Paso

2023-2024 Transfer Guide
for El Paso Community College

College of Engineering

ENGR - MME

BACHELOR OF SCIENCE IN METALLURGICAL AND MATERIALS ENGINEERING

The courses listed below can be taken at El Paso Community College in partial fulfillment of UTEP's Bachelor of Science degree in Metallurgical and Materials Engineering and completion of its Core Curriculum requirements. Completion of the entire Core, or blocks within the Core, at EPCC will satisfy completion of the Core or comparable blocks at UTEP. Questions concerning these requirements should be directed to the Engineering Edge Center (engradvising@utep.edu) at (915) 747-5460.

EPCC Course			EPCC Course Title	UTEP Equivalent		UTEP Core
1. Communication (6 credits)						
Complete the following:						
and	ENGL	1301	Composition I	RWS	1301	✓
	SPCH	1321	Business & Professional Communication	COMM	1302	✓[1]
[1] counts towards block 9 (Component Area Option) for the UTEP core.						
2. Mathematics (3 credits)						
Complete the following:						
	MATH	2413	Calculus I	MATH	1411	✓
	MATH	2314	Calculus II	MATH	1312	✓
	MATH	2315	Calculus III	MATH	2313	✓
	MATH	**2320**	**Differential Equations**	MATH	2326	✓
***MATH 2320** is not on the Associate degree of Materials Engineering, but count towards the BSMME degree plan.*						
3. & 10. Life and Physical Sciences & Lab Science Course (7-8 credits)						
Complete the following sequence:						
	CHEM 1311		General Chemistry I	CHEM 1305		✓
	CHEM 1111		General Chemistry I Lab	CHEM 1105		✓
and	PHYS 2325		University Physics I	PHYS 2320		✓
	PHYS 2125		University Physics I Lab	PHYS 2120		
	CHEM 1312		**General Chemistry II**	**CHEM 1306**		✓
	CHEM 1112		**General Chemistry II Lab**	**CHEM 1106**		
	PHYS 2326		**University Physics II**	**PHYS 2321**		✓
	PHYS 2126		**University Physics II Lab**	**PHYS 2121**		
CHEM (1311 & 1111) and PHYS (2325 & 2125) are required for both Associate of Materials Engineering and BSMME degrees ***CHEM (1312 & 1112) and PHYS (2326 & 2126) are not on the Associate degree** of Materials Engineering but count towards the BSMME degree.*						
4. Language, Philosophy and Culture (3 credits)						
Complete one from the following:						
	ARCH	1301	Architectural History I	ART	13TR	
	ARTS	1303	Art History I	ARTH	1305	✓[2]
	ARTS	1304	Art History II	ARTH	1306	✓[3]
	COMM	1307	Introduction to Mass Communication	COMM	2372	
	ENGL	2322	British Literature I	ENGL	2311	✓
	ENGL	2323	British Literature II	ENGL	2312	✓
	ENGL	2332	World Literature I	ENGL	23TR	
	ENGL	2333	World Literature II	ENGL	23TR	
	ENGL	2341	Intro to Literature	ENGL	23TR	
	ENGL	2351	Mexican American Literature	ENGL	23TR	

EPCC Course			EPCC Course Title	UTEP Equivalent		UTEP Core
	HIST	2321	World Civilizations I	HIST	2301	✓
	HIST	2322	World Civilizations II	HIST	2302	✓
	PHIL	1301	Introduction to Philosophy	PHIL	1301	✓
	PHIL	2303	Introduction to Formal Logic	PHIL	1304	
	PHIL	2306	Introduction to Ethics	PHIL	2306	✓
	SPAN	2311	Intrm Span I	SPAN	2301	
	SPAN	2313	Spanish Native/Heritage Speakers I	SPAN	2303	
	SPAN	2315	Spanish Native/Heritage Speakers II	SPAN	2304	

[2]counts towards block 5 (Creative Arts) for the UTEP core.

[3]counts towards block 5 (Creative Arts) for the UTEP core.

5. Creative Arts (3 credits)

Complete one from the following:

	ARTS	1301	Art Appreciation	ART	1300	✓
	COMM	2366	Film Appreciation	FILM	1390	✓
	DANC	2303	Dance Appreciation	DANC	1304	✓
	DRAM	1310	Theatre Appreciation	THEA	1313	✓
	MUSI	1306	Music Appreciation	MUSL	1324	✓
	MUSI	1310	American Music	MUSL	1327	✓

6. American History (6 credits)

Complete the following:

	HIST	1301	United States History I	HIST	1301	✓
	HIST	1302	United States History II	HIST	1302	✓

7. Government/Political Science (6 credits)

Complete both at the same institution:

	GOVT	2305/ 2306	Federal Government Texas Government	POLS	2310/ 2311	✓

*It is recommended that both Political Science courses be completed at **EPCC** then transferred to **UTEP** or both courses be completed at **UTEP**.*

8. Social & Behavioral Sciences (3 credits)

Complete one from the following:

	ECON	1301	Introduction to Economics	ECON	1301	
	ECON	2301	Principles of Macroeconomics	ECON	2303	✓
	ECON	2302	Principles of Microeconomics	ECON	2304	✓
	PSYC	2301	General Psychology	PSYC	1301	✓
	PSYC	2306	Human Sexuality	PSYC	2305	
	PSYC	2314	Lifespan Growth and Development	PSYC	2310	
	SOCI	1301	Introduction to Sociology	SOCI	1301	✓
	SOCI	2301	Marriage & the Family	SOCI	2315	
	SPCH	1318	Interpersonal Communication	COMM	2350	✓

9. Component Area Option (6 credits)

Complete the following:

and	EDUC	1300	Learning Framework	UNIV	1301	✓
	ENGL	1302	Composition II	RWS	1302	✓[5]

[5] counts towards block 1 (Communication) for the UTEP core.

Courses Required for the ENGR Degree in in Metallurgical and Materials Engineering at EPCC/UTEP

	ENGR	1304	Engineering Graphics	MECH	1305[6]	
	ENGR	2301	Mechanics I: Statics	CE	2315[7]	
	ENGR	2332	Mechanics of Materials	CE	2334[7]	

[6]ENGR 1304 requires a Course Substitution to count as MME 1205, a required course, listed in the BSMME degree plan at UTEP.

[7]ENGR 2301 and ENGR 2332 require a Course Substitution to count as MME 2434, a required course, listed in the BSMME degree plan at UTEP.

Additional Courses Required for the Engineering Degree in in Metallurgical and Materials Engineering at EPCC/UTEP						
	ENGR	**2308**	Economics for Engineers and Scientist	CE	2326[8]	
[8]***CE 2326*** *is not on the Associate degree of Materials Engineering, but it is listed on the BSMME Degree plan at UTEP.*						

For the most current version of this document, visit NEW LINK

For admissions information visit www.utep.edu/admit

ADDITIONAL COLLEGE OF ENGINEERING NOTES

- **TRANSFER HOURS:** A student may transfer a maximum of 66 semester hours, limited to lower-division courses, from two-year junior or community colleges. A maximum of 98 semester hours of courses is transferable from accredited U.S. colleges and universities.
- **ACCREDITATION:** Transfer credit for engineering courses is restricted to ABET – accredited curricula or is awarded on the basis of departmental recommendation.
- **COMPETENCY EXAMS:** Transfer students may be required to take competency exams and/or take specified courses that the department feels they must have in order to establish the quality of their degree.
- **UPPER DIVISION COURSES:** Credit for upper division engineering courses will be given only on the basis of departmental recommendation.
- **SECONDARY ADMISSIONS REQUIREMENTS:** The academic records of all transfer students are reviewed by the College of Engineering to determine eligibility for admission into an engineering program. International students must meet the additional requirement of an overall minimum GPA of 3.0 in mathematics, chemistry, physics, and engineering for all institutions attended.
- **TRANSFER CREDIT:** that is to be applied toward undergraduate engineering degree requirements must be approved by the Dean of Engineering. Transfer credit evaluation should be completed when the student transfers to the College of before completion of the lower-division requirements