



**2020-2021 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 either the Engineering Edge Center (ENGREdge@utep.edu) at (915) 747-5460 or to the College of Engineering at (915) 747-6444.

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
<i>¹ counts towards block 9 (Component Area Option) for the UTEP core.</i>						
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	✓
<i>MATH 2320 is not on the EPCC Associate degree of Materials Engineering, but count towards the BSMME degree plan.</i>						
3. & 10. Life and Physical Sciences & Lab Science Course (7-8 credits)						
Complete the following sequence:						
and	CHEM 1311	General Chemistry I		CHEM 1305	✓	
	CHEM 1111	General Chemistry I Lab		CHEM 1105	✓	
and	PHYS 2325	University Physics I		PHYS 2420	✓	
	PHYS 2125	University Physics I Lab				
and	CHEM 1312	General Chemistry II		CHEM 1306	✓	
	CHEM 1112	General Chemistry II Lab		CHEM 1106		
and	PHYS 2326	University Physics II		PHYS 2421	✓	
	PHYS 2126	University Physics II Lab				
<i>CHEM (1311 & 1111) and PHYS (2325 & 2125) are required for both Associate of Materials Engineering and BSMME degrees CHEM 1312 and PHYS (2326 & 2126) are not on the Associate degree of Materials Engineering but count towards the BSMME degree.</i>						
4. Language, Philosophy and Culture (3 credits)						
Complete one from the following:						
	ARCH	1301	Architectural History I	ART	13TR	
	ARTS	1303	Pre-Renaissance Art History	ARTH	1305	✓ ²
	ARTS	1304	Renaissance & Modern Art History	ARTH	1306	✓ ³
	COMM	1307	Mass Media and Society	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	2351	Chicana/o Literature	ENGL	23TR	
	HIST	2321	World History to 1648	HIST	2301	✓

EPCC Course		EPCC Course Title		UTEP Equivalent		UTEP Core
HIST	2322	World History 1648 to Present		HIST	2302	✓
PHIL	1301	Introduction to Philosophy		PHIL	1301	✓
PHIL	2303	Formal Logic		PHIL	1304	
PHIL	2306	Ethics		PHIL	2306	✓
SPAN	2311	Intrm Span I Non-Native Speakers		SPAN	2301	
SPAN	2313	Intrm Span I Spanish Speakers		SPAN	2303	
SPAN	2315	Intrm Span II Spanish Speakers		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	✓
<i>It is recommended that both Political Science courses be completed at EPCC then transferred to UTEP or both courses be completed at UTEP.</i>						
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	
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.						
Additional Courses Required for the Engineering Degree in in Metallurgical and Materials Engineering at EPCC/UTEP						
	ENGR	1304	Engineering Graphics I	BE	1301 ⁶	
	ENGR	2301	Engineering Mechanics: Statics	BE	2434 ⁷	
	ENGR	2332	Mechanics of Materials	BE	2303 ⁷	
	ENGR	2308	Engineering Economics	CE	2326 ⁸	
⁶ BE 1301 counts as MME 1205 as listed in the BSMME degree plan at UTEP.						
⁷ BE 2434 and BE 2303 together transfer as MME 2434 as listed in the BSMME degree plan at UTEP.						

⁸*ENGR 2308 is not on the Associate degree of Materials Engineering, but it transfers as CE 2326, which is required for completion of the BSMME Degree plan at UTEP.*

For the most current version of this document, visit <https://www.utep.edu/engineering/Files/docs/degree-plans/Metallurgical/2019-2020--EPCC%20Guide-COEN-MME.pdf>

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