



2024-2025 Transfer Guide for El Paso Community College



College of Engineering

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.

| F | EPCC Course | | EPCC Course Title | | UTEP Equivalent | |
|--------------------|-----------------|------------|---|-------------------|-----------------|-----------------------|
| | mmunicati | | | | arvaient | Core |
| | minunouti | | Complete the following: | | | |
| and | ENGL | 1301 | Composition I | RWS | 1301 | ✓ |
| | SPCH | 1321 | Business & Professional Communication | COMM | 1302 | √1 |
| ¹ count | ts towards bloc | ck 9 (Comp | onent Area Option) for the UTEP core. | | · · · | |
| 2. Ma | thematics | (3 credit | s) | | | |
| | | • | Complete the following: | | | |
| | MATH | 2413 | Calculus I | MATH | 1411 | \checkmark |
| | MATH | 2314 | Calculus II | MATH | 1312 | \checkmark |
| | MATH | 2315 | Calculus III | MATH | 2313 | \checkmark |
| | MATH | 2322 | Differential Equations | MATH | 2326 | ✓ |
| MATH | 2320 is not or | the EPCC | Associate degree of Materials Engineering, but count towar | rds the BSMME d | egree plan. | |
| 3. & 1 | 0. Life and | l Physica | al Sciences & Lab Science Course (7-8 credit | s) | | |
| | | | Complete the following sequence | | | |
| | CHEM | - | General Chemistry I | CHEM | | \checkmark |
| | CHEM | 1111 | General Chemistry I Lab | CHEM | CHEM 1105 | |
| and | PHYS | 2325 | University Physics I | PHYS 23 | 201 2120 | \checkmark |
| | PHYS | 2125 | University Physics I Lab | PH1523 | 20+2120 | • |
| | CHEM | 1312 | General Chemistry II | CHEM | 1 1 3 0 6 | \checkmark |
| | CHEM | 1112 | General Chemistry II Lab | CHEN | 1 1106 | |
| | PHYS | 2326 | University Physics II | | 21 + 2121 | 1 |
| | PHYS | 2126 | University Physics II Lab | PHYS 2321+ 2121 | | • |
| CHEM | (1311 & 1111 |) and PHYS | 6 (2325 & 2125) are required for both Associate of Engineer | ring and BSMME | degrees | |
| | | | S (2326 & 2126) are not on the Associate degree of Engi | neering but count | towards the B | SMME degree |
| 4. Lai | nguage, Ph | nilosophy | y 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 | \checkmark |
| | ENGL | 2323 | British Literature II | ENGL | 2312 | \checkmark |
| | 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 HIST 2321 World Civilizations I HIST 2301 ✓ HIST 2322 World Civilizations I HIST 2302 ✓ PHIL 1301 Introduction to Philosophy PHIL 1304 ✓ PHIL 2306 Introduction to Ethics PHIL 1304 ✓ SPAN 2313 Spanish Native/Heritage Speakers I SPAN 2303 SPAN SPAN 2313 Spanish Native/Heritage Speakers I SPAN 2304 counts towards block 5 (Creative Arts) for the UTEP core. Combine Combine 2304 Counts towards block 5 (Creative Arts) for the UTEP core. Complete one from the following: < | EPCC Cou | rse | EPCC Course Title | | UTEP Equivalent | |
|---|--|---------------|---|---------------------------|--------------------|--------------|
| ENGL 2351 Mexican American Literature ENGL 231R HIST 2321 World Civilizations I HIST 2301 ✓ HIST 2322 World Civilizations II HIST 2301 ✓ PHIL 1301 Introduction to Philosophy PHIL 1301 ✓ PHIL 2302 Introduction to Formal Logic PHIL 1304 ✓ PHIL 2303 Introduction to Ethics PHIL 2306 ✓ SPAN 2313 Spanish Native/Heritage Speakers II SPAN 2304 counts towards block 5 (Creative Arts) for the UTEP core. Screative Arts (3 credits) Cold Art Appreciation ART 1300 ✓ QARM 1310 Art Appreciation DANC 1304 ✓ DANC 2304 Jane Appreciation MUSL 1324 ✓ MUSI 1306 Music Appreciation MUSL 1324 ✓ MUSI 13 | - | - | | | | 00.0 |
| 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 2303 Introduction to Ethics PHIL 1304 ✓ SPAN 2313 Spanish Native/Heritage Speakers I SPAN 2304 Cocounts towards block 5 (Creative Arts) for the UTEP cree. counts towards block 5 (Creative Arts) for the UTEP cree. Executes Arts SPAN 2304 ✓ COMM 2306 Film Appreciation FILM 1390 ✓ Complete one from the following: 1304 ✓ DANC 2303 Dance Appreciation DANC 1304 ✓ DRAM 1310 Theatre Appreciation MUSL 1324 ✓ MUSL 1324 ✓ MUSI 1310 American Music MUSL 13 | | | | | | |
| 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 Introduction to Ethics PHIL 2303 ✓ SPAN 2315 Spanish Native/Heritage Speakers I SPAN 2304 ✓ counts towards block 5 (Creative Arts) for the UTEP core. ✓ SPAN 2304 ✓ COMM 2366 Film Appreciation ART 1300 ✓ DANC 2303 Dance Appreciation THEA 1313 ✓ MUSI 1306 Music Arerican Music MUSL 1324 ✓ MUSI 1301 American Music MUSL 1327 ✓ American History (6 credits) Complete the following: ✓ ✓ ✓ <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>✓</td></tr<> | | | | | | ✓ |
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| SPAN 2313 Spanish Native/Heritage Speakers I SPAN 2303 *counts towards block 5 (Creative Arts) for the UTEP core. * * 2 3 | | | | | | |
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| 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/ Federal Government POLS 2311 ✓ tt is recommended that both Political Science courses be completed at EPCC then transferred to UTEP or both courses be completed at UTEP. 3311 ✓ 8. Social & Behavioral Sciences (3 credits) Complete one from the following: ✓ ECON 1301 Introduction to Economics ECON 2303 ✓ PSYC <t< td=""><td></td><td></td><td></td><td></td><td></td><td>\checkmark</td></t<> | | | | | | \checkmark |
| DRAM 1310 Theatre Appreciation THEA 1313 ✓ MUSI 1306 Music Appreciation MUSL 1324 ✓ MUSI 1310 American Music MUSL 1324 ✓ MUSI 1310 American Music MUSL 1327 ✓ 6. American History (6 credits) MUSL 1327 ✓ Complete the following: HIST 1301 United States History I HIST 1301 ✓ HIST 1302 United States History II HIST 1302 ✓ Complete both at the same institution: GOVT 2305/ Federal Government POLS 2310/ ✓ 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) ✓ UTEP. 8. Social & General Psychology PSYC 1301 ✓ PSYC 2301 Principles of Microeconomics ECON 2303 ✓ ECON | | | | | | \checkmark |
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| 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: 1302 ✓ 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) ECON 1301 Introduction to Economics ECON 1301 ECON 2301 Principles of Macroeconomics ECON 2303 ✓ ECON 2301 Principles of Macroeconomics ECON 2304 ✓ PSYC 2301 General Psychology PSYC 2304 ✓ PSYC 2304 Principles of Microeconomics ECON 2304 ✓ PSYC 2301 General Psychology PSYC 2304 ✓ | | | Music Appreciation | MUSL | 1324 | \checkmark |
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| SOCI 1301 Introduction to Sociology SOCI 1301 ✓ SOCI 2301 Marriage & the Family SOCI 2315 ✓ SPCH 1318 Interpersonal Communication COMM 2350 ✓ Component Area Option (6 credits) Complete the following: Complete the following: Output Output Complete the following: Complete the following: Output Output Output Output Output Interpersonal Communication Complete the following: Complete the following: Output Output | | | | | | |
| 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 ✓ | | | | | | ✓ |
| SPCH 1318 Interpersonal Communication COMM 2350 ✓ 9. Component Area Option (6 credits) Complete the following: Complete the following: and EDUC 1300 Learning Framework UNIV 1301 ✓ | | | | | | |
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| and EDUC 1300 Learning Framework UNIV 1301 ✓ | SOCI SPCH | Area Onti | | | | |
| | SOCI SPCH | Area Opti | | | | |
| | SOCI SPCH 9. Component / | - | Complete the following: | UNIV | 1301 | √ |
| | SOCI SPCH 9. Component / and EDUC ENGL | 1300 1302 | Complete the following: Learning Framework | | | |

| ⁸ CE 2326 is not on the Associate degree of Engineering, but it is required for completion of the BSMME Degree plan at UTEP. | | | | | | | | |
|---|--|--------------|---|--------------------|-------------------|-------|--|--|
| | ENGR | 2308 | Economics for Engineers and Scientist | CE | 2326 ⁸ | | | |
| | Additional Courses Required for the Engineering Degree in in Metallurgical and Materials Engineering at EPCC/UTEP | | | | | | | |
| UTEP. | 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 | | | | | | | |
| ⁶ ENGF | R 1304 require | s a Course S | Substitution to count as MME 1205, a required course, I | isted in the BSMME | degree plan at | UTEP. | | |
| | ENGR | 2332 | Mechanics of Materials | CE | 2334 | | | |
| | ENGR | 2301 | Mechanics I: Statics | CE | 2315 ⁷ | | | |
| | ENGR | 1304 | Engineering Graphics | MECH | 1305 ⁶ | | | |

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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