



**2023-2024 Transfer Guide
for El Paso Community College**

College of Engineering

ENGR - AE/ME

**BACHELOR OF SCIENCE IN AEROSPACE AND AERONAUTICAL
ENGINEERING AND MECHANICAL ENGINEERING**

The courses listed below can be taken at El Paso Community College in partial fulfillment of UTEP's Bachelor of Science degree in Mechanical 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 (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 |
| <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 2315 & MATH 2320 are not on the Associate degree of Mechanical Engineering but count towards the BSME degree..</i> | | | | | | |
| 3. & 10. Life and Physical Sciences & Lab Science Course (7-8 credits) | | | | | | |
| Complete the following sequence: | | | | | | |
| and | PHYS | 2325 | University Physics I | PHYS | 2320+ 2120 | ✓ |
| | PHYS | 2125 | University Physics I Lab | | | |
| | CHEM | 1311 | General Chemistry I | CHEM | 1305 | ✓ |
| | CHEM | 1111 | General Chemistry I Lab | CHEM | 1105 | ✓ |
| 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 | |
| | 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 | |

| EPCC Course | | | EPCC Course Title | | UTEP Equivalent | | UTEP Core |
|--|------|---------------|--|--|-----------------|-------------------|----------------|
| | 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 | ✓ |
| <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 | |
| | 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 Engineering Degree in Mechanical Engineering at EPCC/UTEP | | | | | | | |
| | ENGR | 1304 | Engineering Graphics | | MECH | 1305 | |
| | ENGR | 2301 | Mechanics I: Statics | | CE | 2315 ⁶ | |
| | ENGR | 2302 | Mechanics II: Dynamics | | MECH | 2340 | |
| | ENGR | 2332 | Mechanics of Materials | | CE | 2334 ⁷ | |
| ⁶ ENGR 2301 transfers as CE 2315, which is equivalent to MECH 1321, a required course in the BSAAE & BSME degree plan at UTEP. | | | | | | | |
| Additional Courses Required for the Engineering Degree in Mechanical Engineering at EPCC/UTEP | | | | | | | |
| | ENGR | 2305 | Electrical Circuits I | | EE | 2350 ⁸ | |
| | ENGR | 2308 | Engineering Economics | | CE | 2326 ⁹ | |
| | ENGR | 2334 | Chemical Engineering Thermodynamics I | | MECH | 2311 | |
| ⁷ ENGR 2332 transfers as CE 2334, which is equivalent to MECH 2322, a required course in the BSAAE & BSME degree plan at UTEP. | | | | | | | |
| ⁸ ENGR 2305 transfers as EE 2350, which is equivalent to MECH 2342, a required course in the BS AAEE & BSME degree plans at UTEP. | | | | | | | |
| ⁹ CE 2326 is not on the Associate degrees of AAEE & ME, but it is required for completion of the BSAAE & BSME Degree plans at UTEP. | | | | | | | |

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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