



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

College of Engineering

**ENGR - ISE**

**BACHELOR OF SCIENCE IN INDUSTRIAL AND SYSTEMS ENGINEERING**

The courses listed below can be taken at El Paso Community College in partial fulfillment of UTEP's Bachelor of Science degree in Industrial 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](mailto:engradvising@utep.edu)) at (915) 747-5460.

EPCC Course		EPCC Course Title		UTEP Equivalent		UTEP Core
<b>1. Communication (6 credits)</b>						
<b>Complete the following:</b>						
and	ENGL	1301	Composition I	RWS	1301	✓
	SPCH	1321	Business & Professional Communication	COMM	1302	✓ <sup>1</sup>
<small><sup>1</sup> counts towards block 9 (Component Area Option) for the UTEP core.</small>						
<b>2. Mathematics (3 credits)</b>						
<b>Complete the following:</b>						
	MATH	2413	Calculus I	MATH	1411	✓
	MATH	2314	Calculus II	MATH	1312	✓
	<b>MATH</b>	<b>2315</b>	<b>Calculus III</b>	<b>MATH</b>	<b>2313</b>	✓
	<b>MATH</b>	<b>2320</b>	<b>Differential Equations</b>	<b>MATH</b>	<b>2326</b>	✓
<small>Only one course MATH 2315 or MATH 2320 are on the Associate degree of Industrial &amp; Systems Engineering but both courses count towards the BSISE degree.</small>						
<b>3. &amp; 10. Life and Physical Sciences &amp; Lab Science Course (7-8 credits)</b>						
<b>Complete the following sequence:</b>						
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	✓
<b>4. Language, Philosophy and Culture (3 credits)</b>						
<b>Complete one from the following:</b>						
	ARCH	1301	Architectural History I	ART	13TR	
	ARTS	1303	Art History I	ARTH	1305	✓ <sup>2</sup>
	ARTS	1304	Art History II	ARTH	1306	✓ <sup>3</sup>
	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		
<sup>2</sup> counts towards block 5 (Creative Arts) for the UTEP core.						
<sup>3</sup> counts towards block 5 (Creative Arts) for the UTEP core.						
<b>PHIL 2306</b> (taken at EPCC) is preferred for the completion of an Industrial Engineering Degree. This course will satisfy both the Core Curriculum requirement as well as the degree plan requirement.						
<b>5. Creative Arts (3 credits)</b>						
<b>Complete one from the following:</b>						
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		✓
<b>6. American History (6 credits)</b>						
<b>Complete the following:</b>						
HIST	1301	United States History I	HIST	1301		✓
HIST	1302	United States History II	HIST	1302		✓
<b>7. Government/Political Science (6 credits)</b>						
<b>Complete both at the same institution:</b>						
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.						
<b>8. Social &amp; Behavioral Sciences (3 credits)</b>						
<b>Complete one from the following:</b>						
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		✓
<b>9. Component Area Option (6 credits)</b>						
<b>Complete the following:</b>						
and	EDUC	1300	Learning Framework	UNIV	1301	✓
	ENGL	1302	Composition II	RWS	1302	✓ <sup>4</sup>
<sup>4</sup> counts towards block 1 (Communication) for the UTEP core.						
<b>Courses Required for the Engineering Degree in Industrial Engineering at EPCC/UTEP</b>						
ENGR	1304	Engineering Graphics	MECH	1305		
ENGR	2301	Engineering Mechanics: Statics	CE	2315		
ENGR	2305	Electrical Circuits I	EE	2350 <sup>5</sup>		
<sup>5</sup> ENGR 2305 transfers as EE 2350, which is equivalent to IE 2377, a required course in the BSISE degree plan at UTEP.						
<b>Additional Courses Required for the Engineering Degree in Industrial Engineering at EPCC/UTEP</b>						
ENGR	2308	Economics for Engineers and Scientist	CE	2326 <sup>6</sup>		
<sup>6</sup> CE 2326 is not on the Associate degree of Industrial and Systems Engineering, but it is required for completion of the BSISE Degree plan at UTEP.						

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For admissions information visit [www.utep.edu/admit](http://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