Bachelor of Science in Engineering Innovation and Leadership (Engineering Innovation Concentration Starting with Precalculus)

Required Semester Credit Hours (SCH): 125

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**SUMMER**

Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability.

Refer to the University Catalog for all degree requirements at catalog.utep.edu.

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**Bachelor of Science in Engineering Innovation and Leadership (Engineering Innovation Concentration Starting with Precalculus)**

**Degree Prerequisite**

- MATH 150B Precalculus
- MATH 1310

**University Core Curriculum**

- HIST 1301 History of U.S. to 1865 (F/Sp/Su)
- EL 1301 Eng. Innovation & Lead (F/Sp)
- PHYS 2420 Intro. to Mechanics (F/Sp)
- MATH 1411 Calculus (F/Sp)

**Emphasis Elective**

- PHYS 2420 Intro. to Mechanics (F/Sp)
- MME 2303 Intro to Mrs. Sci. Eng. (F/Sp)
- EL 3302* Eng. Measurements (F/Sp)
- MATH 2326* Differential Equations (F/Sp)
- MATH 3323* Matrix Algebra (F/Sp)

**Foundational**

- MATH 1322* Calculus II (F/Sp)
- CHEM 1305 General Chemistry (F/Sp)
- MATH 2313 Calculus III (F/Sp)
- MATH 2326* Differential Equations (F/Sp)
- MATH 3323* Matrix Algebra (F/Sp)

**Sophomore Year**

- HIST 1302 History of U.S. since 1865 (F/Sp)
- PHYS 2421 Electromagnet (F/Sp)
- CE 2326 Econ. for Eng. & Sci. (F/Sp)
- CS 1320 Computer Prog. Sci./Eng. (F/Sp)
- PHIL 2306 Ethics (F/Sp)

**Junior Year**

- EL 3003* Eng. Design: People to Production (F/Sp)
- CS 1320 Computer Prog. Sci./Eng. (F/Sp)
- MECH 2311

**Senior Year**

- EL 4396* CD II: Dev. & Eng. (F/Sp)
- MECH 2311

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**Catalog Year 2021-2022**

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* C or better required.

**SCH not counted in total degree required semester credit hours.

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**Sample Degree Plan**

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**Color-coded boxes group the course subject.

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**Arrow indicates a prerequisite.

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**See University Catalog**