

The Bachelor of Science in

INNOVATION

# ENGINEERING INNOVATION & LEADERSHIP



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The Engineering Innovation Concentration offers a chance to study all areas of engineering offered at UTEP. Optimal for students interested in various areas of engineering!

## CONCENTRATION 25 CREDIT HOURS

Including: Dynamics, Electro-Mechanical Systems, Intro to Thermal-Fluid Sciences, Intro to Materials Science, & More!

## EMPHASIS 15 CREDIT HOURS



CAN BE OUTSIDE OF ENGINEERING

### Academic Advisor



**Peter Golding, Ph.D., C.P.Eng., F.I.E.Aust.**

Professor Engineering Education and Leadership Specialty in Metallurgical and Materials Engineering  
Engineering Building, Room E-230 F  
pgolding@utep.edu  
(915) 747-8125

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The Biomedical Engineering Concentration incorporates the study of BME as well as leadership, business acumen, and innovation!

## CONCENTRATION 37 CREDIT HOURS

Including: General Biology, Human Anatomy, Dynamics, Electro-Mechanical Systems, Mechanical Systems & More!

**BUILT IN  
ACADEMIC  
MINOR  
IN BME**

### *Academic Advisor*



**Meagan Vaughan Kendall, PhD.**

Assistant Professor Engineering Education  
and Leadership Specialty in Mechanical  
Engineering  
Engineering Building, Room E-230 A  
[mvaughan@utep.edu](mailto:mvaughan@utep.edu)  
(915) 747-7829

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The Bachelor of Science in

COMPUTER SCIENCE

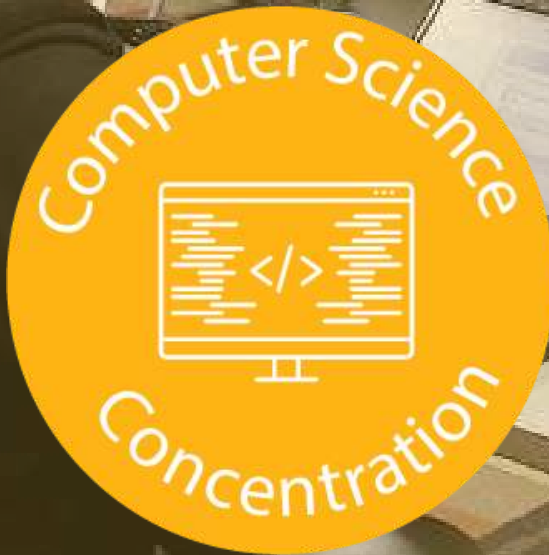
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The Computer Science Concentration incorporates the study of CS as well as leadership, business acumen, and innovation!



## CONCENTRATION 37 CREDIT HOURS

Including: Data Structures, Algorithms, Dynamics, Electro-Mechanical Systems, Object-Oriented Programing & More!

### *Academic Advisor*

**David G. Novick, J.D., Ph.D.**

Mike Loya Dist. Chair in Eng. Professor  
Engineering Building, Room E-230 H  
novick@utep.edu  
(915) 747-6031



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The Bachelor of Science in

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The Civil Engineering Concentration incorporates the study of CE as well as leadership, business acumen, and innovation!

## CONCENTRATION 25 CREDIT HOURS

Including: Civil Engineering Fundamentals, Statics, Mechanics of Materials, Dynamics, Structural Analysis, Fluid Mechanics & More!

## EMPHASIS 15 CREDIT HOURS



CAN BE OUTSIDE OF ENGINEERING

### *Academic Advisor*



**Roger Gonzalez, Ph.D., P.E., F.ASME, F.AIMBE**

Chair and Professor Engineering Education and Leadership Specialty in Mechanical & Biomedical  
Engineering Building, Room E-230 J  
rvgonzalez@utep.edu  
(915) 747-5909

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The Bachelor of Science in

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## WHICH WILL **YOU** CHOOSE?

Electrical Engineering  
Concentration



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The Electrical Engineering Concentration incorporates the study of EE as well as leadership, business acumen, and innovation!

## CONCENTRATION 25 CREDIT HOURS

Including: Electric Circuits, Digital Systems Design, Software Design, Electromagnetic Field Theory, Electronics & More!

## EMPHASIS 15 CREDIT HOURS



CAN BE OUTSIDE OF ENGINEERING

**ACADEMIC  
MINOR  
AVAILABLE\***

### *Academic Advisor*



**Scott Starks, Ph.D., P.E.**

Professor Engineering Education and Leadership Specialty in Electrical Engineering  
Engineering Building, Room E-230 B  
sstarks@utep.edu  
(915) 747-8856

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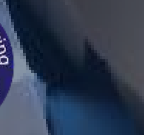
The Bachelor of Science in

# ENGINEERING INNOVATION & LEADERSHIP

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## WHICH WILL **YOU** CHOOSE?



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The Mechanical Engineering Concentration incorporates the study of ME as well as leadership, business acumen, and innovation!

## CONCENTRATION 25 CREDIT HOURS

Including: Statics, Engineering Computations, Intro to Thermal-Fluid Science, Dynamics, Thermodynamics & More!

## EMPHASIS 15 CREDIT HOURS



CAN BE OUTSIDE OF ENGINEERING

### *Academic Advisor*



**Roger Gonzalez, Ph.D., P.E., F.ASME, F.AIMBE**

Chair and Professor Engineering Education and Leadership Specialty in Mechanical & Biomedical

Engineering Building, Room E-230 J

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The Bachelor of Science in

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METALLURGY



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The Metallurgy and Materials Concentration incorporates the study of MME as well as leadership, business acumen, and innovation!

## CONCENTRATION 25 CREDIT HOURS

Including: Electro-Mechanical Systems, Failure Analysis, Intro to Materials Science and Engineering & More!

## EMPHASIS 15 CREDIT HOURS



CAN BE OUTSIDE OF ENGINEERING

ACADEMIC  
MINOR  
AVAILABLE

### *Academic Advisor*



**Peter Golding, Ph.D., C.P.Eng., F.I.E.Aust.**

Professor Engineering Education and Leadership Specialty in Metallurgical and Materials Engineering  
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