



YOUR CLASS SCHEDULE

- · Register to take classes in this order: UNIV 1301, Foundations of Engineering; MATH 1411; PHYS 2420; then Mechanical Engineering and core curriculum courses
- Take COMM 1302.

ACADEMIC ADVISING

- · Meet your PREE Advisor and attend the Intro Compliance session during orientation.
- · Declare your Mechanical Engineeering major once you register for MATH 1411 (Calculus I) or higher.

ENRICHING EXPERIENCES

- · Explore student organizations at Gold Rush
- · Experience a new culture with a student exchange program.
- · Network with peers and organize a study group at the Machine Shop.
- · Cultivate leadership and teamwork skills at TCM Day.

LIFE LONG SUCCESS

- Discover ACES tutoring resources.
- Explore career opportunities at the Career Expo and the Engineering & Science Expo.

- Take MECH 2311, Introduction to Thermo-Fluid. Build extra time into your schedule for this challenging course.
- Take CE 2326, Economics for Engineers and Scientists; and PHYS 2421, if not already completed.
- · Examine the critical path flow chart.
- · Meet with your PREE Advisor before registration.
- Discuss your degree plan with your PREE Advisor.
- · Ask about the Rising Junior Exam and the Masters of Science in Biomedical Engineering.
- · Join Society of Automotive Engineers.
- · Explore professional engagement opportunities with SWE and MAES/SHPE.
- Discover community involvement opportunities in your field with the Center for Civic Engagement.
- Strive for high grades to be eligible for induction into Pi Tau Sigma, the Mechanical Engineering Honor Society.
- · Visit the Career Center Satellite to develop a resume and investigate employment opportunities.
- Cultivate healthy lifestyle habits by visiting the Student Recreation Center.

- · Focus on your upper division Mechanical Engineering classes.
- · Examine the critical path flow chart.
- · Meet with your Mechanical Engineering advisor before registration.
- · Discuss your degree plan with your advisor.
- Ask about internship opportunities and about preparing for the Fundamentals of Engineering Exam (FE).
- · Explore unique faculty-led travel opportunities with Engineering Global Programs.
- · Participate in a technical competition such as Steel Bridge, Concrete Canoe, or
- Cultivate global awareness at events sponsored by the Office of International Programs.
- · Ask a Peer Career Advisor about internship opportunities.
- · Revisit the Career Expo and the Engineering & Science Expo.
- Explore graduate programs in Engineering.

- · Take MECH 4366, Senior Design.
- · Complete your major requirements and any remaining electives.
- · Meet with your Mechanical Engineering advisor before registration.
- Review your graduation audit with the Graduation Coordinator.
- · Cultivate a leadership role with your student organization.
- · Expand your community engagement efforts by joining the Ninjaneer Service Learning Program.
- Explore research opportunities with COURI.
- · Take the Fundamentals of Engineering
- Visit the Career Center Satellite for mock interviews and resume review.
- Apply for graduate school or explore career opportunities.

UPDATED 06/29/2018

EDGE ADVANTAGES:

- Leadership
- · Problem-solving
- Communication
- Entrepreneurship
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

CAREER POSSIBILITIES:

- Aerospace
- Automobile
- Biomedical
- · Construction and Building
- Manufacturing
- Power
- Process Railway





Catalog: 2017-2018

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UTEP ID			=				NOTE: Overall GPA ≥ 2.0 AND In-Ma	ajor GPA ≥ 2.0 RE			
A Core Curriculum (45 SCH)		Semester	Final			D Major: Req	uired Lower Division Courses (25 SCH)	Semester	Final		
(minimum of "C	C" grade required)	Completed	Grade	SCH	Sub#			Completed	Grade	SCH	Sub
1 Communication	n (6 credit hours required)					MECH 1305*	Graphic and Design Fundamentals				
RWS 1301*	Rhetoric and Composition I					MECH 1321*	Mechanics I-Statics				
RWS 1302*	Rhetoric and Composition II					MECH 2131*	Manufacturing Engineering Lab				
2 Mathematics (4	4)					MECH 2311*	Introduction to Thermo-Fluid				
MATH 1411*	Calculus I					MECH 2322*	Mechanics of Materials				
3 Life and Physic	cal Sciences (8)					MECH 2331*	Mat'ls and Manufacturing Processes				
CHEM 1305*	General Chemistry					MECH 2340*	Mechanics II-Dynamics				
CHEM 1105*	Laboratory for CHEM 1305					MECH 2342*	Electro Mechanical Systems				
PHYS 2420*	Introductory Mechanics					MECH 2351*	Engineering Analysis 1				
4 Language, Phil	osophy, and Culture (3)							•			
Select and circ	le one:										
ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*,						E Major: Req	quired Upper Division Courses (39 SCH)	Semester Completed	Final Grade	SCH	Sub #
SPAN 2340*, WS	2300*, 2350*					MECH 3312	Thermodynamics				
5 Creative Arts (3	3)					MECH 3313	Thermo-Fluids Lab				
Select and circ					MECH 3314	Fluid Mechanics					
ART 1300*, ARTH			1	1	MECH 3323	Solid Mechanics Lab					
	SL 1321*, 1324*, 1327*, THEA 1313*					MECH 3334	Mechanical Design				
6 American Histo	_				MECH 3345	System Dynamics					
HIST 1301*	History of the U.S. to 1865	<u> </u>			1	MECH 3352	 ' ' '				
HIST 1302*	History of the U.S. since 1865					MECH 3332 MECH 4315	Engineering Analysis II Heat Transfer				
		-1-41-4-1		4:							
	blitical Science (6) all 6 SCH must be com	pieted at the sai	ne institu	Ition	1	MECH 4316	Thermal System Design				
POLS 2310*	Introduction to Politics			1		MECH 4326	Finite Element Analysis				
POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3)				<u> </u>		MECH 4336	Principles of Engineering Design				
		1				MECH 4346	Mechatronics				
CE 2326*	Econ. For Engrs & Scientists			<u> </u>		MECH 4366	Senior Design				
9 Component Are		<u> </u>	1								
UNIV 1301*	Foundations of Engineering						ce Elective (3) ****	Semester	Final		
COMM 1302*	Business/Profession. Comm.					Select and		Completed	Grade	SCH	Sub #
							MATH 2325*, MATH 2326*, MATH 3323*				
B Foundational M	ath & Science (6 SCH)	Semester	Final			MATH 3325*	r, PHYS 3325*, PHYS 3351*, PHYS 4348*				
		Completed	Grade	SCH	Sub#						
MATH 1312*	Calculus II					G Technical	Elective (6 SCH)	Semester	Final		
MATH 2313* Calculus III						Select and	circle two:	Completed	Grade	SCH	Sub #
						MECH 3363,	, 4355,4356, 4368, 4371, 4395				
C Science Electiv	e (4 SCH)	Semester	Final			MECH 3363,	, 4355,4356, 4368, 4371, 4395				
Select and circ	le one:	Completed	Grade	SCH	Sub#						
CHEW 1306*+110	06*, BIOL 1305*+1107*, PHYS 2421*										
CHEW 1300 +110	00 , BIOL 1303 +1107 , PH13 2421					* C or bette	r required				
		•				** official sul	bstitution form available at http://engineering.utep	.edu/plaza/Acaden	nicForms	/index.h	tml
						**** Students r	must complete 2 courses in the same science (eit	her PHYS, CHEM,	or BIOL)	to satis	fiy
						the Science	ce Sequence. A C or better is required.				
								BSME 1	Total Hou	ırs	128
SUBSTITUTIONS*	*							-			
						A eprena lsi	psum dolor sit amet, cons	sectetuer	adip	iscir	ıq
				e as it a		is					
	plan to substitute course was taken UTEP Transcript		onUl	EP Trar	iscript	ADVISOR			DATE		
1											

DATE

CHAIR