

LDME Exit Workshop

For Students Transitioning from Lower Division to the ME Department



The College of Engineering Expects...

**Undergraduate
Research**

**Intern
or Coop**

**Engineering
Student
Organization**

**and
Team
Competitions**

**3.5
GPA**



Mechanical Engineering Department



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ORGS:



ENGINEERING EDGE CENTER

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CATALOG: ME Degree Plan

- **128 Credit Hours**
- **What is a degree plan?**
 - The requirements a student must complete to graduate.
- **Core Curriculum**
 - Must complete a 45-semester credit hour core curriculum.
 - See 1-9



CATALOG: ME Degree Plan

Block **A**
University Core (Texas
requirements)
45-credit hours

A Core Curriculum (45 SCH) (minimum of "C" grade required)		Semester Completed	Final Grade	SCH	Sub #
1 Communication (6 credit hours required)					
RWS 1301*	Rhetoric and Composition I				
RWS 1302*	Rhetoric and Composition II				
2 Mathematics (4)					
MATH 1411*	Calculus I				
3 Life and Physical Sciences (8)					
CHEM 1305*	General Chemistry				
CHEM 1105*	Laboratory for CHEM 1305				
PHYS 2420*	Introductory Mechanics				
4 Language, Philosophy, and Culture (3) Select and circle one:					
ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350*					
5 Creative Arts (3) Select and circle one:					
ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, THEA 1313*					
6 American History (6)					
HIST 1301*	History of the U.S. to 1865				
HIST 1302*	History of the U.S. since 1865				
7 Government/Political Science (6) -- all 6 SCH must be completed at the same institution					
POLS 2310*	Introduction to Politics				
POLS 2311*	American Govt. & Politics				
8 Social and Behavioral Sciences (3)					
CE 2326*	Econ. For Engrs & Scientists				
9 Component Area Option (6)					
UNIV 1301*	Foundations of Engineering				
COMM 1302*	Business/Profession. Comm.				



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CATALOG: ME Degree Plan

Block **B**
Math
Requirements

Block **C**
Science
Elective

Block **D**
Math/Science
Elective

B Foundational Math & Science (9 SCH)				Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II						
MATH 2313*	Calculus III						
MATH 2326*	Differential Equations						
C Science Elective (4 SCH) Select and circle one:				Semester Completed	Final Grade	SCH	Sub #
CHEM 1306*+1106*, BIOL 1305*+1107*, PHYS 2421*							
D Math/Science Elective (3 SCH) Select and circle one:				Semester Completed	Final Grade	SCH	Sub #
BIOL 1306*, PHYS 2325*, PHYS 3351*, PHYS 4348*, MATH 3323*, MATH 3335*, MATH 4329*, MATH 4336*, STAT 3320*							
H Math Elective (3 SCH) Select and circle one:				Semester Completed	Final Grade	SCH	Sub #
MATH 3323*, MATH 3325*, MATH 4326*, STAT 3320*							
I Computational Elective (3 SCH) Select and circle one:				Semester Completed	Final Grade	SCH	Sub #
MECH 4326, MECH 4330, MECH 4392							
J Design Elective Any Area (6 SCH)				Semester Completed	Final Grade	SCH	Sub #
* -- C or better required							
** -- From the department approved list of Design and Project Experience I and II courses							

Block **H**
Math Elective

Block **I**
Computational
Elective

Block **J**
Design Elective



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E Major: Required Lower Division Courses (23 SCH)			Semester Completed	Final Grade	SCH	Sub #
MECH 1305*	Graphic and Design Fundamentals					
MECH 1321*	Mechanics I-Statics					
MECH 2103*	Engineering Computations					
MECH 2131* or MECH 2132* or MECH 2133*	Manufacturing Laboratory Manufacturing Laboratory Laboratory	Additive Metal Casting				
MECH 2311*	Introduction to Thermo-Fluid Science					
MECH 2322*	Mechanics of Materials					
MECH 2331*	Matls and Manufacturing Processes					
MECH 2340*	Mechanics II-Dynamics					
MECH 2342*	Electro Mechanical Systems					

Block **E**
Lower Division
MECH Courses

F Major: Required Upper Division Courses (30 SCH)			Semester Completed	Final Grade	SCH	Sub #
MECH 3312	Thermodynamics					
MECH 4316 or MECH 4394	Thermal System Design Special Topics in Thermal Fluid Area					
MECH 3314	Fluid Mechanics					
MECH 4336 or MECH 4395	Principles of Engineering Design Special Topics in Solid Mechanics Area					
MECH 3334	Mechanical Design					
MECH 3345	System Dynamics					
MECH 3352	Engineering Analysis II					
MECH 4315	Heat Transfer					
MECH 4346 or MECH 4393	Mechatronics Special Topics in Electro-Mechanical Area					
MECH 4366	Senior Design					

Block **F**
Upper Division
MECH Courses

G Lab Experience** (2 SCH) Can choose from MECH 3103, 3113, 3123			Semester Completed	Final Grade	SCH	Sub #

Block **G**
Lab Experience

CATALOG: Policies & Procedures

- **Pre-requisite** - A course or other requirement that a student must take prior to
- **Co-requisite** - A course or other requirement that a student must take at the same time
- **ME Courses Example:**

Course	Prerequisite	Corequisite
MECH 1321	MATH 1411 and PHYS 2420	-
MECH 2322	MECH 1321	-
MECH 3334	MECH 2322 and MECH 2331	-



CATALOG: Policies & Procedures

- **What is the UTEP Catalog?**
 - *“The catalog introduces you to our policies and procedures, degrees, majors and minors, and curricula.”*
- **Where to find it?**
 - <http://catalog.utep.edu/undergrad/>



CATALOG: Policies & Procedures

- **Which catalog do I have to follow?**
 - *“...the catalog in effect at the time of his or her admission...”*
 - Transfer: *“...can select a catalog that was in effect prior to the first semester of enrollment...”*
- **How long is the catalog I choose to follow valid?**
 - *“A student must complete all requirements within seven (7) years...”*



CATALOG : Course Policies

- **Six-Maximum Drop**

- All students are limited to six (6) course drops.
- This does not apply to courses dropped prior to census day or complete semester withdrawal.

- **D/F Course Repeat**

- Applies to all 1000 (FR) and 2000 (SOPH) level courses.
- The failing grade is disregarded from the overall GPA once.
- Any engineering and science course can be taken up to (3) times.



Strategic Course Selection

- **1st Priority:** UNIV 1301 course
- **2nd Priority:** Math course
- **3rd Priority:** ENGR/CS courses
- **4th Priority:** RWS 1301 & 1302 course
- **5th Priority:** Science course
- **6th Priority:** Core courses



Priorities vs. Hours Per Week

Credit Hours	Study Hours	"School is Work" Hours	Sleep Hours	Work Hours
15	45	60	56	0
12	36	48	56	< 20
3 - 6	9 - 18	12-24	56	40

= credit hours x 3

= credit hours + study
hours

= 8 hours of sleep x 7 days
per week

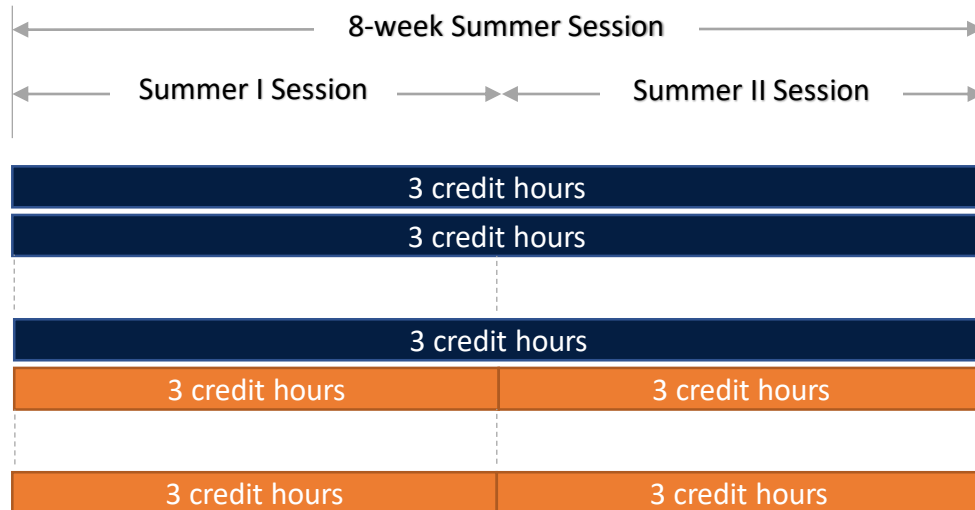
Is this a priority?



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Hours Per Semester

Summer Maximum Classes Enrollment



Maximum Class Load

Semester	Max. Credit Hours	If combined with
Fall	21	N/A
Wintermester	6	
Spring	21	Wintermester, 24
Maymester	6	
Summer	9	Maymester, 15



Finance

- **How Much will You Pay in Tuition for Fall 2019?**

- Resident: 12 hrs - \$3,796.84 15 hrs - \$4,661.95
- Non-Resident: 12 hrs - \$ 10,016.80 15 hrs - \$ 12,418.15
 - Doesn't include these fees: new student, incidental, course related & individual major

- **How to Pay for College?**

1. Financial Aid and Scholarships...Apply, Apply, Apply!
2. Internships
3. EPCC / Consortium Agreement
4. Loans
5. Part-time work



UTEP ME Department Advising

- **Step 1.** Log in into BLACKBOARD
- **Step 2.** Course Section: Look for MECH Academic Advising
- **Step 3.** Review the Advising Content
- **Step 4.** Get a perfect score on the Advising Test
- **Step 5.** Wait 2-3 days for the hold to be removed
- **Step 6.** Register!



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For more information visit:

[UTEP Engineering->ME->UG](#)



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QUESTIONS?



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