## TEXAS A&M UNIVERSITY - MECHANICAL ENGINEERING 2016-2017 - Cat. #139 **KEY** MATH 308\* ECEN 215\* Required coursework for Minor MEEN 221\* Prin. of Electrical Engr. Statics & Particle Dynamics **Differential Equations** Elective coursework for Minor; select 6 credits Pre-requisite for Minor Semester Grade Semester Grade Seme ster Grade Required Prerequisite **PHYS 218** MATH 251 **PHYS 208** MATH 308 **MATH 251** Preceded or accompanied by; 3 co-requisite MEEN 260\* CVEN 305\* MEEN 315\* Number of course credits Mechanical Measurements Mechanics of Materials Prin. of Thermodynamics \* Course requires grade of C or better Grade Semester Grade Semester Grade Semester **MEEN 221** MEEN 221 **MATH 251 MEEN 221 ECEN 215** 3 MATH 308 **MEEN 315** MEEN 360\* MEEN 357\* Engr. Analysis for Mech. Mtls. & Mfg. Select. in Design **MINOR CREDIT HOURS: 15** meen.tamu.edu Grade Grade Semester Semester ENGR 112 **MATH 308 MEEN 222 MEEN 260 CVEN 305** MEEN 363\* MEEN 368\* **MEEN 475** Materials in Design Dynamics & Vibrations Solid Mechanics in Mechanical Design Requirec Grade Semester Grade Semester Grade Semester **MEEN 221** MEEN 357 **CVEN 305** MEEN 357 **CVEN 305** MEEN 360 **CVEN 305** MEEN 360 **MATH 308 MEEN 441 MEEN 442 MEEN 444** Electives: Select 6 credits Design of Mech. Comp. & Systems Computer Aided Engineering Finite Element Analysis in Mech. Engr. **MEEN Minor**-Design & Seme ster Grade Semester Grade Seme ster Grade Simulation of Mechanical **MEEN 368** MEEN 357 **MEEN 368 MEEN 363 MEEN 368 Systems** 3 **MEEN 460 MEEN 467 MEEN 448** -3.5 Minimum Overall GPA Corrosion Engineering Mechanical Behavior of Materials Fund. of Nondestructive Testing -Minimum 6 hours at 300-400 level Semester Grade Semester Grade Semester Grade MEEN 360 **MEEN 360 MEEN 360**



## **Minor Field of Study Application**

<b>Department/Program:</b> Mechanical Engineering <b>Minor Track:</b> Design & Simulation of Mechanical Systems	College: Engineering
Student's Name:	Major Department:
UIN:	
<b>Summary</b> : A total of 15 credit hours listed as Minor Coursewo A grade of "C" or better is required for any course to be used to	
Entrance Requirements: A minimum GPA of 3.5; student must seventh (7th) semesters at TAMU.	t declare minor between their fourth (4th) and
<u>Prerequisite Course Work</u> : Pre-requisites of required and electron counting toward degree or minor.	tive courses must be satisfied ( <b>C or better</b> ) even if
Minor Coursework:	
<ul> <li>Required: 9 Credit Hours:</li> <li>MEEN 363- Dynamics &amp; Vibrations. Pre-requisites: M CVEN 305</li> <li>MEEN 368- Solid Mechanics in Mechanical Design. P MEEN 360</li> <li>MEEN 475- Materials in Design. Pre-requisites: MEEN</li> </ul>	re-requisite: CVEN 305; Co-requisites: MEEN 357 &
<ul> <li>Elective: 6 Credit Hours: Students may select any two of the forequisites for each of these courses before enrolling.</li> <li>MEEN 441 – Design of Mechanical Components and instructor.</li> <li>MEEN 442 – Computer Aided Engineering. Prerequising MEEN 444 – Finite Element Analysis in Mechanical Engineering.</li> <li>MEEN 448 – Fundamentals of Nondestructive Testing MEEN 460 – Corrosion Engineering. Prerequisite: MEEN 467 – Mechanical Behavior of Materials. Preregion</li> </ul>	Systems. Prerequisite: MEEN 368 or approval of ite: MEEN 363 and MEEN 368.  ngineering. Prerequisite: MEEN 357and MEEN 368 or g. Prerequisite: MEEN 360.  EN 360 or equivalent.
I, hereby request approval to acquire a minor field of study fro	
the rules of the University and the Dwight Look College of Eng Student's Signature:	
Department of Mechanical Engineering Authorization; Underg	raduate Advisor Signature;
Major Department Authorization	Date entered in Compass by Major Dept.

\*Any/all course substitutions must be approved by the Department of Mechanical Engineering

Minor CODE: DSMS