Mechanical Engineering Students
Spring 2017 Advising & Registration Directions

ADVISING

Open Advising is Monday, October 24th to Wednesday, November 2nd. Please meet with an advisor during these scheduled open hour times. You are not required to meet with your assigned faculty advisor. Find a time that works in your schedule. Go to the office of the advisor that is scheduled at that time. Please refer to the ME Advising Calendar found on the M&IE Student Advising page for this schedule.

www.coe.montana.edu/mie/students/advising_forms/

Bring a completed flowsheet when you go to an advisor’s office for advising. Select the appropriate flowsheet from the advising table or print one from the M&IE Student Advising page. Put an X in courses you have successfully completed, an E in the courses you are enrolled in and circle the courses you propose to take Spring 2017. If this is not completed before you enter the advisor’s office, you may be asked to leave, complete the form and return later for advising. Once the flowsheet has been reviewed, approved and signed by you and the advisor you will be given your registration PIN.

If you miss advising during these times you will be required to schedule an appointment with your Faculty Advisor or Laura Andersen. This may delay your ability to register at your assigned time. See DegreeWorks for your assigned faculty advisor. If this is blank or an advisor from a previous major is listed, please see Laura Andersen in ROBH 220.

Graduation Information

Applications for Fall 2016 Graduation were due last February. If you applied to graduate Fall 2016, look at the notes in your DegreeWorks worksheet. If there is a note about a discrepancy see Laura Andersen in ROBH 220. If you are planning on graduating Fall 2016 and did not apply for graduation see Laura Andersen immediately.

Spring 2017 Graduation applications were due to the M&IE Office on September 12th. If you plan to graduate next spring and have not applied for graduation please see Dagny Mest in ROBH 220 as soon as possible for the steps involved to complete your application.

Information for Summer and Fall 2017 graduation applications will be emailed mid January.

REGISTERING

Update your Contact Information on MyInfo. All students will be asked to do this before they are allowed to register for Spring 2017 classes. If you try to register for an Engineering Course and all sections are full we will start waitlists. Please visit the M&IE advising page to sign up on a waitlist if an engineering course you would like or need is full. If you do not see the course listed please email Dagny Mest dmest@montana.edu, for further information about waitlists for that course.
Core Classes
Please check your DegreeWorks worksheet to determine which core classes you have completed and which ones you still need to take. IN, CS, and R will be met though ME courses you are required to take. Refer to the Core Completing Checklist on the M&IE Advising Page for core elective information. Please use the Schedule of Core Classes tool on the MyInfo Page for a list of D, IA, IH & IS courses that are available Spring 2017.

The ME Professional Electives offered Spring 2017 are listed below. The times these classes are offered can be found online at the Schedule of Classes on My Info or on the ME Spring 2017 PE Offering sheet found on the M&IE Advising Page.

The Restricted Entry Forms for ETME 410, ETME 415 & ETME 422 can be found on the M&IE Advising Page. Please print out the form, complete it and bring it to Roberts Hall 220. Restricted Entry forms are due November 18th. Priority may be given to those that are received first.

Professional Electives
EMEC 403 – CAE IV: Design Integration
EMEC 405 – Finite Element Analysis
EMEC 426 – Thermodynamics of Propulsion Systems
EMEC 447 – Aircraft Structures
EMAT 350 – Engineering Materials
EMAT 461 – Friction & Wear of Materials (Tribology)
EMAT 464 – Biomedical Materials Engineering
EMAT 465 – Bio-Inspired Engineering
ETME 410 – CNC & CAM Technology (Restricted Entry)
ETME 415 – Design for Manufacturing/Tooling (Rest Entry)

ETME 422 – HVAC I (Restricted Entry)
EIND 313 – Work Design & Analysis
EIND 410 – Interaction Design
EIND 411 – Interaction Design Project
EGEN 330 – Business Fundamentals for Tech Professionals
EGEN 365 – Introduction to Mechatronics
EGEN 435 – Fluid Dynamics
BIOB 425 – Adv Cell & Molecular Biology
EELE 321 – Intro to Feedback Controls
M 349 – Techniques of Applied Math II
M 442 – Num Solutions of Diff Equations

NEW Professional Elective – EGEN 365 – Intro to Mechatronics

EGEN 365- Intro to Mechatronics is a 3 credit course with 2 hours of lecture and 2 hours of lab each week. In this course students will explore basic mechanical structures, sensors and actuators, automatic information processing, and system wide control as they relate to mechatronics systems. A key goal is for students to understand how the components tie together holistically, to create a mechatronic device. Topics to be addressed in this course will be, 1) microcontroller programming and input/output, 2) basic mechanical components, mechanisms, kinematics 3) electronic components for mechatronic systems, 5) modeling of mechanical and electrical elements and simulation 6) sensor characteristics 7) actuator basics 8) open and closed loop control, 9) kinematics, 10) mechatronic design through analysis of case studies.