MECHANICAL ENGINEERING PROGRAMS

FINALS WEEK: December 7-10
SPRING 2016 Classes begin on Tuesday, January 19

AME/MET REGISTRATION NOTES FOR SPRING 2016

Attention, AME/MET STUDENTS!!!!!!

MAMT 151 & 155 have been changed to MAMT 251 & 255 CNC Machining I & II

There are two sections for Spring 2016.
The morning sections are the preferred courses for engineers if they fit your schedule.
- CRN 43559
- CRN 43561

If mornings won't work, you are welcome to enroll in the afternoon courses.
Contact Tech. Prof. Bill McCracken if you have any questions. (AEC Room 120 or wimccrac@coloradomesa.edu)

If you need to take ENGR 312 Engineering Thermodynamics during the Spring 2016 semester so that you can take ENGR 445 (MET Design Project I) in the Fall 2016 semester, please be aware that there is a section tentatively scheduled:
- CRN 42272
- M/W 12:30-1:15

This class will be cancelled if there is insufficient enrollment so please register SOON if you need this course in the spring!

Tis the Season …
… to apply for scholarships and internships!!!
Check out the opportunities listed on pages 2 and 3!

ATTENTION SOPHOMORES:
If you plan to apply to the BSME program for the 2016-2017 academic year, please be sure to complete your CU-Boulder Transfer Application as soon as possible.
(Contact Harriet Carpenter, Administrative Assistant, at 970-248-1400 or hcarpenter@coloradomesa.edu if you have questions or need forms.)
The Colorado Space Business Roundtable (CSBR) is hosting an annual Summer Internship Program!

IT’S NOT ROCKET SCIENCE! But wait, it is! If you’ve ever gazed up to the stars and wondered what’s out there or perhaps even had dreams of going yourself, now is your chance to start turning those dreams into reality. If you are a high school or college student living in Colorado then you are eligible to apply for the Colorado Aerospace Internship Initiative (CAII) where you will get a chance to gain exposure and obtain relevant work experience with various Aerospace companies located along the Front Range.

During the internship you will have an opportunity to network with leading Aerospace Professionals, drive rovers, design robots, launch rockets, work in teams on engineering design challenges, learn about the various engineering disciplines and what it takes to be successful in industry, and perhaps even get the chance to meet an Astronaut!

The Colorado Space Business Roundtable (CSBR) is hosting an annual Summer Internship Program for high school and college students interested in pursuing careers in the Aerospace industry. All students pursuing Science, Technology, Engineering, and Mathematics related disciplines are encouraged to apply.

The Colorado Aerospace Internship Initiative is a 2 week program scheduled tentatively June 20th - July 1st, which gives students two weeks to experience what it’s like to work in various facets of the Aerospace Industry. Students will spend time at various CSBR Partner facilities where they will have a chance to meet the best and the brightest in Industry, participate in hands-on activities, and get an exclusive behind-the-scenes look at what each Company does and some of the exciting projects they are working on.

Find additional information and an application at: http://www.coloradosbr.org/internship/

The Department of Engineering Education at Utah State University will hold a ten-week summer Research Experience for Undergraduates (REU) program starting June 6, 2016, to provide undergraduate students (in either 4-year or 2-year schools) in a science, technology (including engineering technology), engineering, or mathematics (STEM) discipline with intensive experience in engineering education research, such as how learners’ experience, background, and perception play a role when they learn engineering knowledge and skills.

Abundant summer outdoor activities exist in Utah and nearby states, including numerous national parks and monuments, such as Yellowstone, Grand Canyon, Zion, Bryce, and Arches National Parks. Logan is among the best college town in the nation. From remote areas accessible only to hardy backpackers, to beautiful views enjoyed on a leisurely walk, Logan’s wide spaces are a patchwork of scenic, recreational, and historic venues, Mountain hiking, biking, and rock climbing are among popular summer sports.

Each REU student will receive up to $7,500, including 1) a stipend of $5,000, 2) a housing and meal allowance of $1,800, and 3) up to $700 for a round-trip airfare ticket to travel between your distant locations and USU. The living cost in Logan is low.

The applicants must be at least 18 years old by the time the program starts on June 6, 2016, must be a citizen, national, or permanent resident of the United States, Must be an undergraduate student who will not graduate before September 1, 2016 (in either 4-year or 2-year schools) with a good academic standing in a professional undergraduate program in science, technology (including engineering technology), engineering, or mathematics. The deadline of application is February 1, 2016. Interested students must submit applications online via http://www.eng.usu.edu/eed/reu/. If you have any questions, please contact Dr. Ning Fang at ning.fang@usu.edu or Dr. Oenardi Lawanto at olawanto@usu.edu.
Check out these scholarship opportunities!

Log into MavZone and go to the Student Finance tab to access an all-in-one scholarship application for general and departmental scholarships. The scholarship application became available on December 1. **APPLICATION DEADLINE IS FEBRUARY 14, 2016!**

The American Council of Engineering Companies of Colorado (ACEC/CO) Scholarship Committee awarded more than $40,000 in scholarships to students in engineering programs for the 2015-2016 school year. The 2016-2017 application is now open! The competition is open to students pursuing Bachelor’s degrees in Colorado in Accreditation Board for Engineering Technology (ABET)-accredited engineering program and entering their junior, senior, or fifth year (in a five-year program) in the fall of 2016. To qualify, a student must be a U.S. citizen, with preference given to those who have an understanding of the consulting engineering profession. Students must be full time as determined by the school.

**Deadlines:** Applications must be postmarked by January 20, 2016 or delivered by 12 Noon, January 22, 2016 to the ACEC/CO office at 800 Grant Street, Suite 100, Denver, CO 80203.

To find the application and recommendation forms, go to: http://acec-co.org/scholarships-awards/scholarships-for-students/

The ASME online application for scholarships is available from December through February. You must be a student member of ASME to apply. Many ASME Scholarships have specific eligibility requirements, however, when you complete the online application you will be considered for all scholarships for which you qualify. ASME Scholarships require enrollment in an ABET accredited, or substantially equivalent, engineering degree program. Find more information at:


The SME Education Foundation scholarship application for the 2016-2017 academic year is now OPEN. The scholarship application deadline is February 1, 2016.

Visit smeef.org/scholarships for more information.

AACE International offers competitive and matching funds scholarships to US, Canadian, and International students pursuing a program related to cost engineering/cost management. Applications for the scholarship competition are accepted between December and February 7th each year. Find more information at: http://www.aacei.org/awards/scholarships/

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Making speakers from paper plates!!!

Students in ENGR 225/426 tour Innovative Textiles where braided fishing line is being manufactured.
Faculty Advisors

The purpose of a faculty advisor is to assist in the process of degree completion. Students are required to have a faculty advisor's signature on their Program Sheet and other graduation paperwork.

Engineering Faculty Advisors

We strongly urge all students to take advantage of the opportunity to plan their course sequence, review potential elective choices, and discuss issues of concern with their Primary Faculty Advisor. Please make an appointment when you need to see your advisor. (Note: Dr. Brower is the secondary advisor for all Engineering students. He is the primary advisor only for students in the CU-Boulder BSME degree program.)

Contact information for Engineering Faculty Advisors is shown below:

<table>
<thead>
<tr>
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Students in MCEN 4026 Manufacturing class are shown here in the machine shop with technical professor Bill McCracken. They are using the surface grinder to grind ceramic bars from CoorsTek Medical for their lab on ceramics.