

Advising Matters

ENGINEERING ADVISING CENTER • 230 CHRYSLER CENTER • MONDAY-FRIDAY 8-5
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www.engin.umich.edu/advising

CoE Approves New Minor in Art and Design

Are you interested in the aesthetic aspects of your work, in addition to the technical components? Want some creative courses to balance your math and science work? For the first time, College of Engineering students have a formal way to study and document their artistic work through a minor in the School of Art and Design.

The minor is open to all College of Engineering students and requires 18 credits. The prerequisite to the minor is a college-level drawing course (ARTDES 100, ARTDES 105, ARCH 201, or RCARTS 288); students must pass this course with a minimum of a B grade. After completing this course, students take courses in the following areas:

- **Academic Survey Course** (3 credits):
Your choice of ARTDES 150, ARTDES 151, or ARTDES 250. Any of these three courses would count as *humanities* credits for your engineering degree.
- **Core Studio Course Requirements** (6 credits):
 - One Tools, Materials and Processes course: ARTDES 120, 121, or 220
 - One Concept, Form and Context course: ARTDES 130, 230, or 231
- **Studio electives** (9 credits):
Choose additional courses from the Core Studio Course list above, or any other 300-level ARTDES courses.

The Core Studio Courses and Studio electives would count as *General Electives* for all majors

in the College of Engineering. All courses for the minor must be taken for a grade (rather than pass/fail).

Ms. Mary Schmidt, Associate Dean for Academic Affairs and Undergraduate Education in the School of Art and Design commented, "An Art and Design Minor will offer you an opportunity to sharpen your intellectual creative problem solving skills and to roll up your sleeves and use the tools, materials, and techniques of contemporary art and design practice. Both Art & Design and Engineering students will derive reciprocal benefit from sharing ideas as they work side by side in studios on Bonisteel Boulevard."

If you would like to learn more about the minor in Art and Design, stop by the Art & Design Advising Office in Art & Architecture Building Room 2038, or call 734-764-0397.

IMPORTANT REMINDER!

ALL FIRST YEAR STUDENTS ARE REQUIRED TO MEET WITH THEIR EAC ADVISOR OR AN EAC FACULTY ADVISOR BEFORE REGISTRATION.

SIGN UP ONLINE AT: www.engin.umich.edu/advising, and See Page 2 for more info on registration procedures.

Questions About Winter Term? Peer Advising Walk-in Hours:

- Bursley: Thursdays, 7:30-9:30 p.m.
- UGLi, Room 2124: Tuesdays, 7:30-9:30 p.m.

INSIDE THIS ISSUE: Learning Styles, Aerospace Engineering, and Registration

VARK: How it Can Help You Study

By Stephen Hannon
CEE Senior & EAC Peer Advisor

Think back to summer orientation. Remember when the awesome peer advisors were leading you around campus, explaining important information, and giving you the scoop on how to succeed in the College of Engineering? You were given so much information at orientation that you have probably forgotten about doing the VARK survey. The VARK is an online questionnaire that is designed to help you determine your preferred learning style: Visual, Aural, Read/Write, or Kinesthetic. Knowing how you learn best can help you make the most of your study time as you prepare for the second half of the semester.

When you know your learning style, you can take advantage of resources more efficiently. Think about what has been most difficult for you academically in the first two months of college. Courses might become easier if you try following your preferred learning style. For example, if you're a visual learner, you might have difficulty following a lecture and taking good notes. If so, it might help to ask the professor to use graphs or diagrams in lecture. During office hours, you may want to ask the professor to explain the problem using more pictures than words. As you read your textbook, try taking note of the graphs and charts as a starting point, and then expand on these notes in lecture. For each of the four learning styles, there are specific strategies that can help you study more efficiently and improve your understanding of the material. To read these tips, pick up a handout at the EAC or go to the VARK website (see below).

If you don't remember your results, or didn't take the VARK during orientation, go to: <http://www.vark-learn.com/english/index.asp>, or find the link on the EAC website (in the FAQ's). Figure out what you struggle with the most academically, and then consider how you might approach it in a different way. Knowing your learning style can be a great start. If you are having academic difficulty, you can always meet with your advisor, or talk with a peer advisor during evening advising hours in Bursley or the UGLi. Best of luck to you in the second half of the semester!

Backpack and Go! Registration Process - Winter 2010

- 1) **Meet with an advisor.** You can meet with your EAC advisor, an EAC peer advisor, or an EAC faculty advisor from your field of interest. It is **REQUIRED** that you meet with an advisor to discuss course options and sign your Winter Term advising agreement. Do this as soon as possible to avoid delays in registering! Go to <http://www.engin.umich.edu/advising/> to make an appointment, or attend peer advisor evening walk-in hours. Come prepared with a list of courses you'd like to take, and questions you want to discuss.
- 2) **Search for classes.** To view courses, go to the Registrar's website at <http://www.umich.edu/~regoff/schedule/>. To search specifically for LSA courses, go to the LSA course guide at: <http://www.lsa.umich.edu/cg/>
- 3) **Visit Wolverine Access.** Starting in mid-November, look for your registration date and time on your Student Center page, and begin **backpacking your courses**.
- 4) **Register for courses.** On your registration date, register yourself using any computer.
- 5) **Focus on doing well this term** so that you can gain a solid knowledge base for your future courses!



SUPER ENGINEER'S QUICK TIP OF THE DAY:

Question: *Where are some good places to study?*

Central Campus: residence hall study lounges, UGLi, Law Library, Graduate Library, Public Health Library.

North Campus: Duderstadt Center, GG Brown Blue Lounge, Pierpont Commons, CSE Lounge.

Some students also enjoy studying at coffee shops and the Ann Arbor Public Library.

It's a good idea to leave your room to study (it's too tempting to take a nap, play a video game, use Facebook, hang out with friends, etc.). Try some new study spots and see what works best for you.

Why Yes, I Am a Rocket Scientist!

By Shannon Powers
AERO Junior & EAC Peer Advisor

If watching the incredible stealth of the B22 made you excited, or if seeing the Mars Rover twins (Spirit and Opportunity) traversing the sink holes of Mars made you tear up just a bit, or even if you just like things that can fly, you owe it to yourself to check out the UM Aerospace Engineering Department.

To start, let's highlight a few historical facts you can drop at the dinner table. The UM Aerospace Department was established in 1914, just 11 years after the Wright Brothers' historic Kitty Hawk flight. The first class was taught by Felix Pawlowski, who can be seen watching over us in his immortalized statue in the FXB building. Hmm, FXB? That sounds like another acronym used far too often; FXB is short for François-Xavier Bagnoud, a rescue helicopter pilot who attended UM in 1979 and, naturally, went on to do great things. He unfortunately lost his life in 1986 during a helicopter mission in Mali. However, we thank him for his achievements in the aerospace field, and for providing us with an awesome name for our building.

On to the real stuff: academics. The curriculum in the department revolves around the design of an entire aerospace system, which can be broken down into three main areas: gas dynamics, structures and materials, and flight dynamics and controls. Here's a good way to think of an aerospace system: "The gas dynamics engineers make a powerful engine, then throw it over the fence to the structures and materials engineers to build a frame for the engine, and finally toss it over the fence one more time to the flight dynamics and controls engineers who have to make the thing fly" (as stated by Professor Anouck Girard while teaching Aero 345).

There are several core classes that are important for aerospace engineering. Differential Equations (Math 216) is important because it is applicable to real problems with initial conditions, while Multivariable Calculus (Math 215) is essential because we live in a 3D world and fly in one too. Physics 140 is useful because, well, spacecrafts in orbit are just one huge projectile! Engineering 101 can help you program computers to do hard math, and finally, Engineering 100 teaches you

to work in teams and solve problems.

I started out knowing absolutely nothing about aerospace engineering, except that when I was a little kid I would be dragged out of the airport by my parents because I was enthused by the airplanes taking off and landing on the runway. After taking a few entry-level aerospace courses and reading all the relevant information I could find, I became motivated, inspired and excited about aerospace engineering. I really enjoy taking what I learn inside the classroom and applying it to real life. Taking off in an airplane has a whole other dimension to it once you know basic flight dynamics!

To see the course requirements for aerospace majors, check out the Aerospace Department at aerospace.engin.umich.edu. You can also meet with the EAC faculty advisor from the Aerospace Department, Dr. Smith. Sign up online at www.engin.umich.edu/advising.

See an EAC advisor
without making an appointment!

WALK-IN WEDNESDAYS
at the EAC, 1-4:30 p.m.

WALK-IN THURSDAYS
at Mojo, 1-4:30 p.m.

HA HA HA! HA HA HA! HA HA HA!

Engineering Joke of the Day:

The chemistry student's
chocolate chip cookie recipe:

1. 532.35 cm³ gluten
2. 4.9 cm³ NaHCO₃
3. 4.9 cm³ refined halite
4. 236.6 cm³ partially hydrogenated tallow triglyceride
5. 177.45 cm³ crystalline C₁₂H₂₂O₁₁
6. 177.45 cm³ unrefined C₁₂H₂₂O₁₁
7. 4.9 cm³ methyl ether of protocatechuic aldehyde
8. Two calcium carbonate-encapsulated avian albumen-coated protein
9. 473.2 cm³ theobroma cacao
10. 236.6 cm³ de-encapsulated legume meats (sieve size #10)

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*Adding/Withdrawing from a Course
Pass/Fail Course Procedures
Before **NOVEMBER 13th:***

1. Obtain an add/drop form from the Engineering Advising Center at 230 Chrysler.
2. Fill out the add/drop or P/F modifier section.
3. Get appropriate signatures.
 - For Add/Drop: Need signatures from EAC advisor and instructor.
 - For Pass/Fail: Need EAC advisor signature.
4. Submit the form to the Engineering Records Office, 145A Chrysler.

NOTE: Dropping a course at this point in the term will result in a "W" (withdrawal) posted to your transcript. A "W" does not affect your semester GPA and is better than a failing grade.

See your advisor if you're unsure about whether to drop or pass/fail a class. To drop a course after November 13, you must petition and provide evidence of extenuating circumstances. *Poor performance is not an extenuating circumstance. Read more at: <http://www.engin.umich.edu/students/bulletin>*

Upcoming Dates to Remember:

November = Make an advising appointment this month, if you haven't already! ***www.engin.umich.edu/advising***. You can meet with your EAC advisor or a faculty advisor in the field of your choice. Also, check Wolverine Access this month for your registration date and time.

November 5 = Deadline for Global Intercultural Experience for Undergraduates (GIEU) Program Applications. See ***www.gieu.umich.edu*** for more information.

November 6-8 = Parents' Weekend

November 13 = **The Add/Drop and Pass/Fail Deadline.** See your EAC advisor if you would like to discuss whether to drop or pass/fail a class.

November 26-27 = Thanksgiving Break.



Thanksgiving means...
Time to get your
gobble on!