

MAE ADVISING INFORMATION

Spring 2019

ADVISING PROCESS

The MAE Department no longer requires advising in order to register for classes. All advising holds have been removed. You can register at your specified date and time.

Students are solely responsible for ensuring they are signing up for the correct classes. We highly recommend you still read the MAE Advising Briefing and complete/update your self-advising Excel spreadsheet. The current version is linked through the MAE Advising Website under 'Current Students': <http://mae.uccs.edu/index.php>

You can also receive schedule advising help via email. We recommend you send questions or issues to MAEAdvis@uccs.edu, as multiple people monitor that email and your response will be faster. Please include your full name, a copy of your current degree audit, and your self-advising spreadsheet with your email.

Dr. Julie Albertson and Dr. Tom Amundson are the schedule advising coordinators and the best people in MAE to discuss class and registration issues with. You can also visit your MAE career advisor for questions about careers, general information, etc.

IMPORTANT DATES AND REMINDERS

- Summer registration begins April 1st and Fall registration begins April 15th. Each student has a different registration date and time, based on your number of completed credits. See your myUCCS Portal for the details of your registration appointment.
- To aid in your course planning, run a new Degree Audit or find the Advising Guide that corresponds to your catalog year (the year you started) here:
<http://www.uccs.edu/advising/majors-and-minors.html>

Student Schedules

- **It is every student's responsibility to ensure their schedule is on track.**
- Self Advising Fall 2018 Spreadsheet is the most up to date
 - Helps to ensure you graduate when desired
 - Pay careful attention to prerequisites and long course sequences
- Each core course offered both fall and spring semesters
- Exception: MAE 4510/4511 Senior Design
 - Year-long course starting in **Fall Only**.
 - December graduates take previous fall / spring.
- Program information can be found at:
<http://www.uccs.edu/advising/majors-and-minors.html>

Need a Permission Number?

- Dr. Julie Albertson and Dr. Tom Amundson are the only ones who can authorize permission numbers.
- If you need a permission number, email MAEAdvis@uccs.edu with the following:
 - a brief explanation as to why you need the permission number, which course, section (001, 002, etc), and which semester (summer or fall).
 - a complete copy of a current degree audit in pdf format.
 - PPCC transcripts showing enrolled or finished courses that you need as prerequisites.
- Note: permission numbers do not override waitlists. Take care of issues as soon as possible. Courses fill up each semester.

Fall 2019 Technical Electives

- ENGR 3040 Engineering Ethics (business elective and Navigate Compass Curriculum Course)
- MAE 4020 Numerical Methods with MATLAB (Dr. Amundson)
- **MAE 4021 Numerical Methods with MATLAB (Dr. Amundson)**
- MAE 4055 Advanced Mechatronics (Dr. George)
- **MAE 4131 Computational Fluid Dynamics (Dr. Wan)**
- **MAE 4135 Aerodynamics (Dr. Wilcox)**
- **MAE 4316 Propulsion (Dr. Wilcox)**
- MAE 4320 Sustainable Energy Systems (Dr. Albertson)
- **MAE 4402 Intermediate Dynamics (Dr. Calvisi)**
- MAE 4405 Human Kinetics (Dr. Bredbenner)
- **MAE 4415 Flight Dynamics**
- MAE 5011 Engineering Analysis I (Dr. Wang)
- MAE 5100 Continuum Mechanics (Dr. Wang)
- MAE 5135 Multiphase Flows (Dr. Calvisi)
- MAE 5391 Rocket Propulsion
- **MAE 5424 Spacecraft Dynamics and Controls (Tragesser)**
- MAE 9510 Constitutive Modeling (Graduate Course – Dr. Bredbenner)

Classes in bold count for the Aerospace Minor

Note: All 5000-level courses are graduate classes. Undergraduates can take them as technical electives, and they will count as a 4000-level course in the degree audit. They require permission of instructor to register. To add, **the instructor** must email Ms. Vigil, MAE@uccs.edu, directly with student's full name and the course. She will then supply the student a permission number.

Summer 2019 Courses

- Summer Core (Assuming sufficient enrollment):
 - MAE 2055 Mechatronics I
 - MAE 2200 Materials Engineering (Hybrid Course)
 - MAE 2301 Thermodynamics
 - MAE 3005 Measurements Lab
 - MAE 3130 Fluid Mechanics and Lab
 - MAE 3201 Strengths of Materials
- Additional Summer 2018 (Assuming sufficient enrollment):
 - MAE 1090 Intro to Programming with MATLAB
 - MAE 2104 Engineering Mechanics II
 - ENGR 3040 Engineering Ethics (Online)
 - MAE 3401 Modeling and Simulation
 - MAE 4310 Heat Transfer (Online) and Lab (On Campus)
 - MAE 4421 Controls
 - MAE 3342 Engineering Economy (Online)

Math & Aerospace Minors

- Aerospace Minor
 - No additional classes
 - Directs technical electives to aerospace-specific courses
 - GPA of 2.0 in minor courses
- Math Minor
 - Must now take Math 2150 and one from: 3110, 3410, 3670, 4130, or 4310 and above.
 - C or better in ALL math classes.
 - **MUST take Math 3810 instead of ECE 3610.**
- Minor information can be found at:
<http://www.uccs.edu/advising/majors-and-minors.html>
- **To declare a minor:** Email Curtis Evans, eevans@uccs.edu, Stacy Carosa, scarosa@uccs.edu, or Kaitlin Shields, kshield2@uccs.edu with a statement as to which minor you would like to declare.

Scheduling Issues

- Make sure you waitlist for classes you cannot get into. We use this information to address problems, potentially increase class size, etc.
- If you can't register for a course required for graduation:
 - Email MAEAdvis@uccs.edu by May 1st with:
 - A copy of your degree audit in pdf format.
 - Details on the issue, to include a statement that you registered within a day of your allotted time.
 - A copy of your completed self-advising spreadsheet
 - Your expected graduation date
 - **We will NOT address such emails after this date – please plan ahead.**
 - **Please note: registering late is not considered a reason to help you. We expect students to register on or near their specified date and time. It will prevent many issues.**

Writing Portfolio

- Guarantees every UCCS student meets minimum written communication standard
- See website for more information:
<http://www.uccs.edu/~writingportfolio/>
- Submitted:
 - As soon as you have completed ENGL 2090 and have two papers, at least a total of 2000 written words, etc. See website for requirements.
- Enroll in PORT 3000 to submit required work