

Materials Science & Engineering  
Honors Advising Sheet

Honors Faculty Advisor & Program Chair: Dr. James Adams

Email: [jim.adams@asu.edu](mailto:jim.adams@asu.edu)

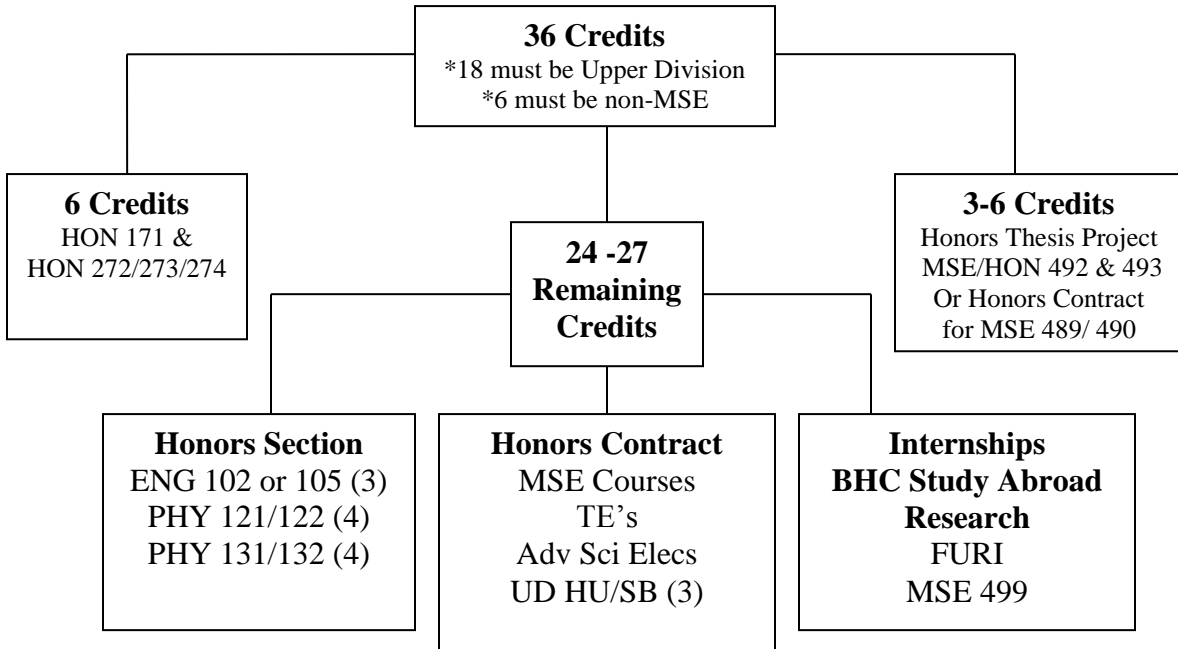
Location: ERC 481

Phone: (480) 965-3316

The Materials Science & Engineering program in collaboration with Barrett, The Honors College will provide opportunities for our students to live, study, and play, here at the ASU-Tempe Campus. In order to support you in your educational endeavors here, we would like to equip you with all the necessary information you will need to complete your Honors degree here.

As an Honors student, you are part of an elite group on campus. Your participation will gain you access to a select advising group within Materials Science & Engineering, you will be invited to special Honors events, and your Honors degree will distinguish you from your peers in the graduate school admissions process and when applying for jobs in industry.

Below you will find more information about how you can incorporate your Honors degree requirements with your Materials Science & Engineering degree requirements.



**\*Honors Section** - courses are designated by the department offering a specific course. In order to receive Honors credit, you would need to enroll in that designated section, with the exception of ENG 105, in which case, it just needs to be an IN-PERSON section.

**\*Honors Contract** – any course can be turned into an Honors course with permission of the instructor. This is typically done by writing a paper, but can also include extra lab experiments done in the course or in a parallel course (i.e., extra lab work done in MSE 356 can count for credit in MSE 355, lab work done in MSE 421 can count for honors credit in MSE 420, etc.). In general lab reports should include a reflection on the broader impact of the lab experiment.

**\*Internship** – Students register for HON 484 (Internship Seminar) and find a paid or unpaid internship, with approval from the Honors College that usually lasts the duration of the semester. Students can earn 1-3 credits per semester for this seminar. Credits earned are based upon the number of hours worked (i.e. 45hrs = 1 credit). Maximum number of hours allowed for the internship is 6 credits.

**\*BHC Study Abroad** – Earn credit for studying abroad in the summer with Honors students and faculty.

**\*Research** – Student can earn research credit by participating in the FURI program or enrolling in MSE 499 (Directed Study) with an Honors Contract. Go to our website: [http://engineering.asu.edu/semte/Faculty\\_Materials.html](http://engineering.asu.edu/semte/Faculty_Materials.html) to see what kinds of research our faculty are doing and then contact them to see if they'll be willing to work with you. Students should contact their assigned academic advisor once they are doing research with faculty to discuss their options for MSE 499.

**Honors Thesis:** Students have two options:

Option 1: Students can choose to do a separate honors thesis (MSE 492/493) for 3-6 credits. This requires at least 2 ASU faculty as reviewers.

Option 2: Students can take 489/490 as an Honors Contract. Taking MSE 489/490 as an Honors Contract means that students do something extra for their project, such as more extensive literature review, additional experiments, additional analysis, or a discussion of the social/economic/environmental impact of their project. The report on the extra work is reviewed by the course instructors, who are the Honors readers for the thesis. The oral defense is part of the annual Materials Bowl, which is a senior design competition between ASU and U of A students. There is also a poster presentation of each project at the Materials Bowl. The Materials Bowl is open to the public, and students should advertise the Materials Bowl as the date of their honors defense.

**Honors Defense:** We strongly recommend that students attend at least one honors defense before working on their own honors thesis. Barrett posts a list of honors defenses (ask your Barrett advisor for the list).