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**Academic Plan**

A student’s academic plan is the responsibility of the student. Information is provided from a number of sources to help students understand the program. Studying all information posted on the AE Advising website is strongly encouraged. [http://www.engr.psu.edu/ae/advising/](http://www.engr.psu.edu/ae/advising/)

Each semester, a set of suggested semester schedules are published. These are intended to aid students in scheduling courses. These schedules also provide a conflict free pattern for students to follow. The semester schedules were generated considering prerequisites, schedule conflicts and work load. They were put together with the students’ best interest in mind.

The AE program is rather rigid. Therefore, Consulting with your advisor prior to deviating from the established curriculum is necessary. Students should consult with their assigned advisor regularly. All new ENGAE students have been assigned an advisor prior the start of this fall semester. Consult the online faculty advisor list. [http://www.engr.psu.edu/ae/advising/index.asp](http://www.engr.psu.edu/ae/advising/index.asp)

**Scheduling typical semesters in the AE program**

An effort is made each semester to schedule all required courses without time conflicts. Course schedules are coordinated for the published pattern for each semester, plus the “new arrival” third year pattern. Student should follow the published schedule as much as possible to avoid conflicts. Out-of-sequence students must take responsibility for scheduling the required courses and working out schedule conflicts.

Students should refer to [http://www.engr.psu.edu/ae/advising/schedule.asp](http://www.engr.psu.edu/ae/advising/schedule.asp) for “suggested schedules”. Spring 2011 schedules have been updated. Do NOT attempt to create your own version of the program without consultation with an advisor. This is
particularly important for ROTC students. Fitting another 15 or 18 credits into the program is difficult. There most likely will be scheduling conflicts to resolve.

Students must complete all required courses prior to selecting an option at the end of 3rd year.

**Study Abroad - Rome**
Students interested in the Rome summer program, may participate any summer after completing 6 credits of ARCH130A plus EMch 211. See the AE Advising - Study Abroad web page for more information. [http://www.engr.psu.edu/ae/study_abroad/](http://www.engr.psu.edu/ae/study_abroad/) A study abroad meeting will be scheduled for mid-September.

**Study Abroad – China**
For summer 2011, a 3-credit course for study abroad in China this summer is planned. This involves enrolling in the 10-day Summer School for International Construction and Property at Tsinghua University in Beijing. There will be a 3 or 4 days excursion to Hong Kong at the conclusion of the summer program in Beijing. Student must have completed the third year to qualify. A longer version of this China program is planned for 2012. More information will be available at the study abroad meeting planned for mid-September.

**First Year ENGR and DUS students interested in Architectural Engineering**
Students must complete the first year with a good academic record and complete the 4 entrance-to-major courses with at least a C (Math140, Math141, Chem110, and Phys211) by the end of SPRING semester (not summer). There are limited numbers of opening in the program. At the end of Spring Semester 2011, students are selected into the program in descending GPA order. This process occurs only once a year. Students will be notified about June 1 of their status as an ENGAE student.

See an advisor at the Engineering Advising Center (208 Hammond) or advisors at the commonwealth campuses. Stay with the prescribed courses in the AE program. The AE 5-year program is rather inflexible. Therefore, do not deviate from it casually. Look ahead and plan future semesters.

Do not oversubscribe to Gen Ed courses. The 6 credits of GA courses must be ARCH210 and (ARCH211 or Art H 202). You have an option to take up to 9 credits in any of the categories, GA/GH/GS. Keep in mind the US/IL requirements.

Please keep up with your course work.
- Manage your time well. Take advantage of the little pieces of time. They tend to slip away from you.
- You are participating in a completion next spring. You are in training. Do what any athlete would do getting ready for a competition.
- It probably takes more time than you anticipate to accomplish things. So, do the work immediately after class and see how long it takes. If nothing else, you will have some statistics to base future planning on. You will also free up the evenings to participate in other activities, especially those that sneak up on you.
Reviewing right after class helps retention of the material. You will not remember a fraction of the material if you wait till just before exams several weeks later.

If Math is a concern, go to the math help center routinely. Don’t wait till the problem becomes too big. Dropping Math140 or Math141 will take a student out of running for the selection process next spring.

Learn the material well enough to teach someone. Try it on your roommate.

I am convinced all ENGR students have the intellectual capacity to succeed. The most important ingredients come from the student; the desire, self-motivation and diligence. I hope to see you in the next incoming class of AE students.

Incoming Second Year ENGAE student – Fall 2010

For Fall 2010: (this is a recap of information sent to ENGAE students this past summer)

- ALL second year ENGAE students should schedule AE202 in the fall. This course is offered only once a year. In addition to its stated mission, it was designed to be the first AE course packed with information you need to go through the program.
  - ENGAE students meeting the prerequisites should schedule EMCH211 in the fall and EMCH213 in the spring semesters of the second year. (EMch212 comes later.) Both EMCH211 and EMCH213 are prerequisites for AE308, a required course in the 5th semester. Plan on completing both EMCH211 and EMCH213 before the fall semester of your third year when AE308 must be taken. Take a summer class if necessary to be able to take AE308 during the 5th semester. EMch210 is a 5 credit version combining the two 3-credits course, EMch211 and EMch213. If you choose this option, you will be one credit short for graduation. You can substitute any College of Engineering recognized credit for this shortfall.
  - ENGAE students should schedule 3 credits of ARCH130A in both fall and spring of the second year. ARCH130A must be taken as a fall-spring consecutive sequence.
  - Students may schedule EDSGN130 concurrently with ARCH130A if not taken previously. EDSGN100 is an acceptable substitution. Students need to complete a petition with his/her advisor. To learn about petitions, see http://www.engr.psu.edu/ae/advising/petition.asp

Students interested in entering AE after their 2nd year – Fall 2011

Any student not entering the major at the beginning of the second year has an opportunity to select AE in the 4th semester (Spring 2011). If this is your plan, conform to the following instructions as closely as possible.

In the second year, take all other courses listed in the 2nd and 3rd year of the AE program. For students in Commonwealth campuses, Arch210 and ArtH202 are not available. Take (GH) or (GS) courses instead. Keep in mind that 6 credits are needed in each category (GA) (GS) and (GH). A 9-6-3 rule allows student to take up to 9 credits in one category. Also make sure you satisfy the (US/IL) requirement. ArtH202 is an (US/IL) course. Therefore, it satisfies one of the two required diversity course requirement. Studying abroad automatically satisfies the (IL) requirement if you choose to go abroad. See the Engineering Program Guide (the book given to you at FTCAP) for more information.

Take EMCH211 in the 3rd semester and EMCH13 in the 4th semester. These courses are prerequisites for AE308 taken in the 5th semester.

The goal is to have all the courses listed for the first three years completed during the first three years, prior to selecting an option. Completing all required courses is necessary prior to option selection (end of 3rd year).

See the matrix below for more explicit details.

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<thead>
<tr>
<th>Fall 2nd Year</th>
<th>Spring 2nd Year</th>
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<tbody>
<tr>
<td>E Mch 211 (3)</td>
<td>E Mch 213 (3)</td>
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<tr>
<td>Phys 212 (4)</td>
<td>E E 211 (3)</td>
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<tr>
<td>EMch 212(3)</td>
<td>Phys 213 (2)</td>
</tr>
<tr>
<td>Math 220 (2)</td>
<td>ME 201 (3)</td>
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<tr>
<td>Math 231 (2)</td>
<td>Math 250 (3)</td>
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<tr>
<td>Arch 210 (3)</td>
<td>Art H 202 (3)</td>
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<td>(See note above if Arch 210 is Not available at CC.)</td>
<td>(See note above if Art H 202 is Not available at CC.)</td>
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<thead>
<tr>
<th>Fall 3rd Year</th>
<th>Spring 3rd Year</th>
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<tbody>
<tr>
<td>Arch 130A (3)</td>
<td>Arch130A (3)</td>
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<tr>
<td>AE 202 (3)</td>
<td>AE 309 (3)</td>
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<td>AE 221 (3)</td>
<td>AE 310 (3)</td>
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<td>AE 222 (3)</td>
<td>AE 311 (3)</td>
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<tr>
<td>AE308 (3)</td>
<td>AE 372 (3)</td>
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</tbody>
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THIRD YEAR STUDENTS – NEW ARRIVAL

Follow the suggest schedule for 5th and 6th semester – New Arrivals. [http://www.engr.psu.edu/ae/advising/schedule.asp](http://www.engr.psu.edu/ae/advising/schedule.asp)

Take AE202, AE308, AE221, AE222 and ARCH130A in the fall. Take ARCH130A, AE309, 310, 311 and 372 in the spring semester (If you have taken one or more of these courses already, fill that spot with another course). You will be selecting an option in the spring of your third year. These courses are designed to give you an understanding of each option.
ARCH130A must be taken as a fall-spring sequence. Do not postpone taking ARCH130A till the fourth year.

Please also be prepared to attend the DC trip in the spring, the weekend after spring break. The trip is being re-designed to expose students to all facets of architectural engineering. We are including some event(s) with alumni in the area. There is a modest fee for the trip. The fee depends on the level of corporate sponsorship.

THIRD YEAR STUDENTS

Third year students should complete AE308, AE309, AE310, AE311 and AE372 in the third year. AE308, AE310, AE311 and AE372 are C-required courses. Keep in mind that these courses are offered only once a year. Schedule them in the proper semester.

The spring semester is a coordinate semester with four AE courses. AE students must complete all required courses prior to being able to select an option. The third year curriculum is designed to help students with option selection before fourth year.

Please also be prepared to attend the DC trip in the spring, the weekend after spring break. The trip is being re-designed to expose students to all facets of architectural engineering. We are including some event(s) with alumni in the area. There is a modest fee for the trip. The fee depends on the level of corporate sponsorship.

FOURTH YEAR STUDENTS

If you expect to have a time conflict with either ARCH441 or ARCH442, you must inform Prof. Holland. The architecture faculty expects students to not have conflicts with studio time. Guest speakers and critics are invited to attend your class assuming they can come anytime during the scheduled class hours.

If you are looking at old program guides and publications, you should know that CE336 is now a 3 credit course. CM students will need to sign up for both CE336 and CE337. It is important to know that the enrollment in these courses is very competitive. Please make use of your higher credit-standing wisely and sign up early for these courses. They will fill up quickly when the lower credit-standing CE students start registering. When CE courses are full, there is nothing the AE Department can do to get you in. Work out your schedule so you don’t have to change things involving CE courses.

FIFTH YEAR STUDENTS

Check to see that you will have all the requirements for graduation by the time you expect to graduate. Do this now for spring graduation. See your advisor if you have problems and uncertainties.

If you have any petitions, you must file them one semester prior to your graduation. All petitions filed previously should be reflected in your degree audit now. Don’t wait. Check your degree audit. Make sure you have the (+) and (-) as you expect. See your advisor for advice. Petition forms are available from the window of 104 Engineering A (when Kim’s replacement arrives). You can ask in the office in the mean time.

Go on eLion to declare your intent to graduate at the beginning of the semester you expect to graduate.
MAE/BAE STUDENTS
If you are a 4th year student looking forward to the Integrated Program, please review the information on the department web site.
http://www.engr.psu.edu/ae/degree_programs/bae_mae.asp
http://www.engr.psu.edu/ae/curriculum/bae_mae.asp
Dr. Hanagan will schedule an information session early this fall to discuss the application process.

If you are expecting to graduate this semester, you must activate your “intent to graduate” status on e-Lion.

You must follow your program of study, filed when you applied for the program or updated since. Alterations to course selections and proposed schedule must be approved in advance.

IP students are required to take (6) 500-level courses. One of them will be spring semester thesis (AE882 + AE497). Pay close attention to announcement and discussions in thesis class lectures regarding this matter.

Please keep track of your progress using worksheets provided on the MAE/BAE web page. The MAE degree audit is not yet perfected.

See the following faculty for MAE advice.
   Dr. Hanagan – Graduate Program Officer
   Dr. Hanagan - Structural Option
   Dr. Srebric - Mechanical Option
   Dr. Mistrick - Lighting/Electrical Option
   Dr. Leicht – Construction Option

Have a great semester!