

## Transition Scheduling Guidelines

Following are guidelines for all students that will have a split schedule. Standard transition schedules will be published for the 3 possibilities (3Q-1S, 2Q-2S, and 1Q-3S) which meet these guidelines. Therefore, if a student follows the standard transition schedule for that graduation year no specific checking will need to be done, as the guidelines below are met by the standard schedules. These are specifically published to ensure all students with exceptions to the standard transition schedules also meet these rules.

All students will complete:

- 1 all university general education requirements.  
For ChE majors this means  
ENG 151 (Q) or ENG 1510 (S) (or suitable substitutes)  
A 'J' course on either quarters or semesters  
Either 3 Q hrs or 2 S hrs in the categories 2SS, 2CP, 2HL, and 2 FA  
Ch E 444 (Q) or ChE 4310 (S)
- 2 the ABET requirement of 30.5 S hrs (45.75 Q hrs) of Basic Math and Science.  
This includes all required Math, Physics, and Biology courses, as well as Chemistry through organic.  
**Note: We have not previously put OChem in this ABET category, but it would be acceptable. The current curriculum requires 61 Q hrs (40.67 S hrs) in this category with OChem and (55 Q hrs/ 36.67 S hrs without organic). The proposed full semester curriculum requires 37 S hrs.with organic and 31 S hrs without organic. If we include OChem in this category this requirement should be easily met.**
- 3 the ABET requirement of 45.75 S hrs (68.625 Q hrs or 1.5 yrs) of Engineering Topics  
**Note: The current curriculum requires 77 Q hrs (51.33 S hrs) in this category. The proposed semester curriculum requires 52 S hrs (78 Q hrs) in this category.**
- 4 at least 13.33 S hrs (20 Q hrs) of Math which must include:  
At least one full year (8 S hrs / 12 Q hrs) of calculus  
Either Math 340 (Q) or Math 3400 (S)  
Either Math 263D (Q) or Math 3200 (S)  
**Note: Patch courses will be available**
- 5 at least 5 S hrs (7.5 Q hrs) of calculus-based physics and either Physics 253 or ET 3132  
**Note: Acceptable combinations will be**  
**Phys 251/252/253 (all Q)**  
**Phys 251/252 (Q) ET 3132 (S)**  
**Phys 2051 / ET 3132 (all S)**  
**Phys 2051 / 2052 (all S)**

- 6 at least 20 S hrs (30 Q hrs) of chemistry which must include  
 at least 8 S hrs (12 Q hrs) of Gen Chem starting with 151  
 One of the following combinations Chem 305/306 (both Q)  
 Chem 305 (Q) / patch / Chem 3060 (S)  
 Chem 3050 / 3060 (both S)  
 at least 6 S hrs (9 Q hrs) from the approved Tech Elective list  
*Note: In this accounting PChem counts as a Tech Elective*  
*Patch courses will be available*
- 7 one of the following courses Bios 170 (Q), PBio 114 (Q), Bios 1700/1705 (S), or PBio 1140 (S)
- 8 all required ChE courses after ChE 100 (or ET courses that mirror current ChE courses)  
 Ch E 101 (Q) or ChE 1900 (S)  
 Ch E 200 (Q) or ChE 2000 (S)  
 Ch E 201 (Q) or ChE 2010 (S)  
 Ch E 231 (Q) or ET 2300 (S)  
 Ch E 305 (Q) or ET 3200 (S)  
 Ch E 306 (Q) or ChE 3210 (S)  
 Ch E 307/308 (Q) or ChE 3700 (S)  
 Ch E 345 (Q) or ChE 3400 (S)  
 Ch E 346 (Q) or ChE 3500 (S)  
 Ch E 347 (Q) or ChE 3600 (S)  
 Ch E 400 (Q) or ChE 3900 (S)  
 Ch E 408/415/416 (Q) or ChE 4110/4120 (S)  
 Ch E 448/443/444 (Q) or ChE 4300/4310 (S)  
 Ch E 417/442 (Q) or ChE 4200 (S)  
 one of the following Ch E 481 (Q), Ch E 404 (S), ChE 4800 (S), ChE 4830 (S)  
 Ch E 499 (Q) or ChE 4000 (S)
- 9 a minimum of 18 S hrs (27 Q hrs) of approved technical electives  
*Note: In this accounting PChem is a Tech Elective*  
*Note: As on quarters the tracks are handled within the Technical Elective category.*  
*Materials Track - ChE 4400 + 3 Track Electives*  
*Biological Track - Both ChE 4800 and 4830 + 3 Track Electives*  
*Energy & Environment Track - 4 Track Electives*