Department of Chemical Engineering  
Columbia University  
Undergraduate Study Plan  
(CJD Revision 08/15/2011)

Directions:
1) All Chemical Engineering undergraduates must complete and sign this form and have it approved by an Undergraduate Committee advisor during the 1st semester of their junior year.
2) Carefully plan the remainder of your academic career and indicate your course selections to fulfill all of your requirements on this form. Either circle the courses taken from the list below or fill in the complete course number in the appropriate blanks; leave point tallies blank for your advisor to fill out.
3) If you placed out of a course or courses, circle the course number and denote this by placing a small AP adjacent to the circle to indicate advanced placement.

1. a. Mathematics-Calculus: (Choose one track) Points
   Track M1: V1101(3) V1102(3) V1201(3) V1202(3) 
   Track M2: V1105(4) V1106(4) V1205(3) 

   b. Mathematics-ODE (choose one course): Mathematics E1210(3) or APMA E2101 ___________

2. Physics: (Choose one track)
   Track P1: C1401(3) C1402(3) Lab-C1493(3) 
   Track P2: C1601(3.5) C1602(3.5) Lab-C1493(3) 
   Track P3: C2801(4.5) C2802(4.5) Lab-W3081(2) 

3. Chemistry: (Choose one track)
   Track C1: C1403(3.5) C1404(3.5) C1500(3) C3443(3) C3543 or C3545(3) 
   Track C2: C1604(4) C2507(3) C3443(3) C3543 or C3545(3) 
   Track C3: C3045(3.5) C3046(3.5) C2507(3) C3543 or C3545(3) 

4. English Composition: (Choose one track)
   Track E1: C1010(3) 
   Track E2: Z1003(0) C1010(3) 
   Track E3: Z0006(0) Z1003(0) C1010(3) 

5. Professional Engineering Elective: (List one course) ___________

6. Physical Education: C1001(1) and C1002(1) 

7. First Year Design: E1102(4) 

8. Non-Technical Electives: (List courses selected from Bulletin List B that total 9 points) 
   ___________ ___________ ___________
9. Non-Technical Core Electives

a. Economics: ECON W1105(4) and W1155(0) Recitation

b. Art/Music (choose one course): HUMA C1121(3) or HUMA C1123(3)

c. Two semester humanities course sequence (choose one two-course sequence): HUMA C1001-1002; or COCI C1101-C1102; or two Major Culture courses from Bulletin List A; or a List A and a List B or C course in the same culture.

10. Chemical Engineering Requirements:

Second Year: E3100(4)

Third Year: E3110(3) E3010(3) E3020(2)

E3120(3) E3210(3) E4230(3) E3220(2)

Fourth Year: E4140(3) E4300(2) E4500(4)

E3810(3) E4510(4)

11. Required Technical Electives: (List courses to total 15 points; at least two chemical engineering courses are required, at least one engineering course outside of chemical engineering is required, and at least 9 points must qualify as “advanced natural science” (i.e., chemistry, physics, biology, materials science, and some science-based engineering courses; you can discuss choices with your advisor).

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<thead>
<tr>
<th>Advanced natural science</th>
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<tbody>
<tr>
<td>Engineering</td>
<td>Chemical Engineering</td>
<td></td>
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<tr>
<td>(not CHEN, CHEE or CHAP)</td>
<td>(CHEN, CHEE or CHAP)</td>
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12. Additional Courses:

TOTAL POINTS

______________________ ______________________
Advisor Signature Student Signature

______________________
Date

______________________
Date