

Sample Course Planning Guide

for

Bachelor of Science in Engineering (BSE)

41 CU TOTAL

Chemical and Biomolecular Engineering

<p>1. MATH (4 CU)</p> <input type="checkbox"/> MATH 104 <input type="checkbox"/> MATH 114 <input type="checkbox"/> MATH 240 <input type="checkbox"/> MATH 241	<p>3. ENGINEERING (14 CU)</p> <input type="checkbox"/> CBE 160 <input type="checkbox"/> CBE 230 <input type="checkbox"/> CBE 231 <input type="checkbox"/> CBE 350 <input type="checkbox"/> CBE 351 <input type="checkbox"/> CBE 353 <input type="checkbox"/> CBE 371 <input type="checkbox"/> CBE 400 <input type="checkbox"/> CBE 410 <input type="checkbox"/> CBE 451 <input type="checkbox"/> CBE 459 <input type="checkbox"/> CBE 460 <input type="checkbox"/> CBE _____ ^{1e} <input type="checkbox"/> Non CBE _____ ^{2e}	<p>4. ENG COMP ELEC (1 CU)*</p> <input type="checkbox"/> _____ <p style="text-align: center;">Choose One: EAS 105 CIS 110 CIS 120</p> <div style="border: 1px solid black; padding: 2px; font-size: small;"> <p>* Students who elect the Phys 150/151 substitution are exempt from this</p> </div> <p>5. TECH ELEC (4 CU)</p> <input type="checkbox"/> _____ ^{1b} <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p style="text-align: center;">Choose One: CBE 480^{1t} CHEM 223 CHEM 245</p> <div style="border: 1px solid black; padding: 2px; font-size: small;"> <p>NOTE: 1b. For additional options please see bottom of the page 1t. Requires prerequisite - CBE 479</p> </div>	<p>6. SSH (7 CU)</p> <input type="checkbox"/> SS _____ <input type="checkbox"/> SS _____ <input type="checkbox"/> H _____ <input type="checkbox"/> H _____ <input type="checkbox"/> SS or H _____ <input type="checkbox"/> SS or H _____ <input type="checkbox"/> SS or H _____
<p>2. NATURAL SCIENCE (8 CU)</p> <input type="checkbox"/> CHEM 101 ^{1ns} <input type="checkbox"/> CHEM 053 <input type="checkbox"/> CHEM 102 <input type="checkbox"/> CHEM 054 <input type="checkbox"/> PHYS 140 ^{2ns} <input type="checkbox"/> PHYS 141 ^{2ns} <input type="checkbox"/> CHEM 221 <input type="checkbox"/> CHEM 241 <input type="checkbox"/> CHEM 242 or CHEM 251	<p>NOTE: 1ns. CHEM 001 also acceptable.</p> <p>2ns. It remains the student's option to substitute Phys 150/151 in place of Phys 140/141, thus increasing the course units in Natural Science from 8 CUs to 9 CUs. Exercising this optional substitution of 150/151, eliminates the need for the courses in category 4. See * under category 4.</p>	<p>NOTES: 1e. Must be upper level CBE course, 300 or higher, or ENM 510, 511 2e. At least one course in engineering must be taken in an engineering department other than Chemical and Biomolecular Engineering, e.g., a course from MEAM or MSE or ESE etc.</p>	<p>7. FREE ELEC (3 CU)</p> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

SEMESTER PLANNING

TERM	MATH & NAT SCI	ENGINEERING	COMP ELEC & TECH ELEC	SSH & FREE ELEC'S
Fall Yr _____	Math 104 Chem 101 & 053 Phys 140			SSH elective (Writing Rqt.) SSH elective
Spring Yr _____	Math 114 Chem 102 & 054 Phys 141	CBE 160		Free elective
Summer Yr _____				
Fall Yr _____	Math 240 Chem 241	CBE 230	tech elective ^{1b}	Free elective
Spring Yr _____	Math 241 Chem 242 or 251	CBE 231	EAS 105 or CIS 110 or CIS 120	H elective
Summer Yr _____				
Fall Yr _____	Chem 221	CBE 350 CBE 353 Non-CBE elective		SSH elective
Spring Yr _____		CBE 351 CBE 371	CBE 480 ^{1t} or Chem 223 or Chem 245	H elective Free elective
Summer Yr _____				
Fall Yr _____		CBE 400 CBE 410 CBE 451	tech elective	SS elective
Spring Yr _____		CBE 460 CBE 459 CBE elective	tech elective	SS elective

1b. The student may elect to defer the technical elective in favor of the Engineering Computer Elective or to begin the Physics sequence. For Physics please list in first column.