

Chemistry/Science/Technical Electives for Chemical and Biomolecular Engineering Fall 2017

Science Electives

BCHS 3304 General Biochemistry** is commonly taken as a science elective, but any CHEM, PHYS, BIO, or BCBS courses at the 3000 level or above or a pre-approved NSM course at the 3000 level or above can be taken (please check with an advisor (Fleischer) to ensure its acceptance). A petition is required to ensure it will be counted toward the degree plan.

Chemistry Electives

CHEM 3369 Analytical Chemistry.

Or any CHEM course 3000 level or above not already counted in the degree plan. Please note that CHEM 4370 and CHEM 4373 are duplicates of our CHEE 3466 class so they cannot count towards the degree.

Technical Electives

Examples include:

CHEE 5319 Introduction to Nanotechnology

CHEE 5321 Nanoscale Design & Fabrication

CHEE 5323 Fundamentals of Tissue Engineering

CHEE 5368 Chemical Process Economics I

CHEE 5397 Fundamentals of Catalysis

CHEE 5383 Advanced Unit Operations

PETR courses at the 3000 level or above

Or courses in other engineering departments, or within CHEE (e.g. Honors thesis, research with a faculty member), or in other colleges at UH with engineering content, if space is available (please check with the appropriate department) such as ENRG 3310 (Introduction to Energy & Sustainability), ECON 3363 (Environmental Economics) or GEOL 3342 (Principles of Air Pollution), with consent of the CHEE Faculty Undergraduate Advisor (Fleischer). A petition is required to ensure it will be counted toward the degree plan.

Petroleum Engineering has an over-crowding situation. Students in CHEE may need to go on a waiting list. Please contact Anne Sturm.

**Students may take either BCBS 3304 or CHEM 4336. Credit will not be given for both courses. The science elective can be another chemistry course. A petition is required to ensure it will be counted toward the degree plan.