Approved Technical Electives for Chemical Engineering majors

**Engineering Elective (3 credits)**

May select from any 200 or 300 level engineering course including BME, CEE, EEE, IEE, MAE, MSE (MSE 250 recommended. MSE 208 or 308 cannot be used)

**Bioscience Elective (3 credits)**

BIO 181, BIO 182, BCH 361, BCH 461, BCH 463, BME 111, CHE 475, MBB 245, MBB 247, MIC 205, MIC 220

**Technical electives—from 3 different categories (15 credits)**

--Advanced Chemistry/Biochemistry TE category (6 credits):

Choose from courses in the following range: BCH 300 to 389, BCH 400 to 489, CHM 300 to CHM 389, CHM 400 to 489

Suggestions: CHM 302, 325, 341, 345, 346, 453, 471, BCH 361, 461, 462

--Related Natural Science or Materials Engineering TE category (3 credits):

Choose a course from the following range: BIO 300 to 389, BIO 400 to 489, PHY 300 to 389, PHY 400 to 489, MAT 300 to MAT 389, MAT 400 to MAT 489, MSE 300 to MSE 389, MSE 400 to MSE 489,

Suggestions include: BIO 353, BCH 462, CHM 3XX, 4XX, MAT 300, 431, 471, 475, STP 420, STP 421 (students taking STP 420 or STP 421 cannot also take IEE 380 for CHE TE)

Not from: MSE 308, MSE 330, MSE 394, MAT 342, MAT 411, MAT 485

--Chemical Engineering TE category (6 credits)

Choose from courses in the following range: CHE 400 to CHE 489, MSE 300 to MSE 389, MSE 400 to MSE 489.

Suggestions: CHE 469, 475, 458, *CHE 494 courses

May choose one from: CEE 400, FSE 301, IEE 300, IEE 380 (students taking IEE 380 cannot also take STP 420 or STP 421 for NSM TE)

Not from: MSE 308, MSE 330, MSE 394

CHE 484 may be used per approval

CHE 492/493 max of 6 credits towards CHE TE requirements

CHE 498/499 by approval

*All technical electives are subject to change

**Notes:** Students may be allowed by instructor consent to take these courses without having the pre-requisites fulfilled. Courses not listed here require a department petition form.

*to take any 494 class, please check with your advisor first