

Chemical Engineering Approved Technical Electives

Requirement:

Choose one approved technical elective.

Rules & Restrictions:

- No ET (Engineering Technology) courses may be used for elective credit.
- *Courses have 1 credit hour lab associated with the course. Please contact an advisor for permission to take the course without a lab.

Approved Course Code, Title, and Prerequisite(s):

- AST210 - Intro to Astrobiology: Prerequisite(s) MA 171, BYS 119 or CH 121
- AST371 - Intro to Astrophysics: Prerequisite(s) MA 201, PH 111
- BYS215/215L - Human Anatomy & Physiology I: Prerequisite(s) BYS 119, CH 121
- *BYS219 - Genetics and Evolution: Prerequisite(s) MA 171, BYS 119, CH 121
- *CH223 - Quantitative Analysis: Prerequisite(s) CH 126
- CH342 - Physical Chemistry II: Prerequisite(s) CH341 or 351
- CH343 - Intro to Quantum Chemistry: Prerequisite(s) CH 341 or 351, MA 238
- CH401 - Inorganic Chemistry: Prerequisite(s) CH 332
- *CH421 - Instrumental Analysis: Prerequisite(s) CH 341 or 351
- CE456/456L - Water Quality Control Processes: Prerequisite(s) Request override from advisor
- CE449 - Intro Environmental Engineering: Prerequisite(s) Request override from advisor
- CPE486 - Machine Learning for Engineering App: Prerequisite(s) MA 244, EE 385 or ISE 390
- EE213 - Electrical Circuits & Sys: Prerequisite(s) w/ concurrency PH 112, MA 238
- EE215 - Electrical Circuits Analysis: Prerequisite(s) w/ concurrency MA 201, PH 112
- ISE390 - Probability & Engineering Statistics I: Prerequisite(s) w/ concurrency MA 201
- ISE321 - Engineering Economy: Prerequisite(s) EGR 101
- MA244 - Intro to Linear Algebra: Prerequisite(s) MA 172
- MAE378 - Materials & Manufacturing Processes: Prerequisite(s) Request override from advisor