MINOR IN CHEMISTRY FOR CHEMICAL ENGINEERING UNDERGRADUATES

Make Your Degree Even More Marketable!!!

The modern workplace environment often requires interaction between the chemistry and the engineering components. Many positions in medicine, engineering, molecular biology, chemical management and environmental science involve a considerable amount of chemistry. A minor in chemistry often requires only a few courses beyond the chemistry courses needed for your major and may be a good investment. Your increasing background in chemistry will give you an advantage in a science and resources from which to draw.

What is required?

You must satisfy requirement A and B

A. Choose One Set

Set A1

Chem 231  Physical Chemistry I  [3-0-3]
Chem 235  Physical Chemistry II  [3-0-3]
Chem 245  Organic Chemistry for ChEs  [4-1-4]
Chem 235A  Physical Chemistry Lab  [0-4-2]
or

Set A2

Chem 243  Organic Chemistry I  [3-0-3]
Chem 244  Organic Chemistry II  [3-0-3]
Chem 236  Physical Chemistry for ChEs [a]  [4-1-4]
Chem 244A  Organic Chemistry Lab  [0-4-2]

B. Choose two courses from below

Chem 473  Biochemistry  [3-0-3]
Chem 480  Analytical Chemistry Laboratory  [0-4-2]
Chem 336  Physical Chemistry III  [3-0-3]
Chem 412  Inorganic Chemistry  [3-0-3]
Chem 440  Fundamentals of Polymers  [3-0-3]
Chem 491  Research – Independent Study [b]  [3-0-3]

[a] Can substitute Chem 337 – Physical Chemistry for Biosciences
[b] Maximum of 3 credits of research can apply toward minor. A year of freshmen chemistry required for above courses. Some courses in section B have additional prerequisites.

If you are interested in taking a minor in chemistry, see Dr. James Grow, Room 351, Tiernan, for details.