TYPICAL B.S. CHEMICAL ENGINEERING CURRICULUM

Chemistry

General Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry

Math

2 years of calculus, linear algebra, differential equations, numerical methods

Fundamentals

Physics, Mechanics, Properties of Materials, Fluid Mechanics, Engineering Economics

Chemical Engineering Fundamentals

hermodynamics, ! eat ransfer, Mass ransfer, "eaction #inetics, Engineering \$esign, %nit Operations &aboratory, Process \$ynamics 'Control

Chemical Engineering Specialties

(iomedical Engineering, (ioChemical Engineering, En)ironmental Engineering, Electrochemistry, Petroleum Engineering, Polymer Engineering, *uclear Engineering, Food Engineering

Non-Technical

English, echnical + riting, Graphics, Ethics, &iberal Arts, ,