

Worksheet for Ph.D. in Chemical Engineering

To start this degree an undergraduate degree in Chemical Engineering is required. Background courses in Chemical Engineering will be completed as needed.

ECH 6105 Advanced Thermodynamics ~~OR~~ 3
ECH 6107 Molecular Thermodynamics

ECH 6285 Advanced Transport 3

ECH 6840 Mathematical Methods for Chemical Engineer 3

ECH 6515 Advanced Reaction Engineering OR 3
ECH 6506 Chemical Engineering Kinetics

ECH 6412 Processes Analysis and Modeling 3

ECH6931 Graduate Seminar courses (1 hour each; at least three) 3

Other 5000 or 6000 level structured courses 27

(The exact distribution of these hours will be determined by the student, graduate advisor, and the supervisory committee to provide the student with a stimulating educational experience)

Electives (25 hours)