Grad Program 2000

There are three components to the course requirements: the chemical engineering core (thermodynamics, transport phenomena, and chemical kinetics and reaction engineering), advanced mathematics, and chemical engineering technical electives. The core courses and the mathematics sequence should all be taken during the first year (prior to the qualifying exams). Eight credits of chemical engineering electives are required. At least three credits of these must be at the 800-level; the remainder may be at the 600- or 800-level, and suitable courses taken outside chemical engineering may be substituted. The chemical engineering electives may be started during the fall semester of the first year and are usually completed during the second year. Nine credits of CHEG 969-xxx Doctoral Dissertation are also required. These credits should be taken after all other course work is completed. A typical schedule for the first year is shown below:

**FALL 2000**

- CHEG 825  Thermodynamics
- CHEG 835  Chemical Kinetics
- MEEG 690  Intermed. Eng. Mathematics

**SPRING 2001**

- CHEG 867  Advanced Transport Phenomena
- CHEG 868  Research
- CHEG 6xx/8xx  Technical Elective I
- MEEG 691  Advanced Engineering Mathematics

Grad Program 2001

There are three components to the course requirements: the chemical engineering core (thermodynamics, transport phenomena, and chemical kinetics and reaction engineering), advanced mathematics, and chemical engineering technical electives. The core courses and the mathematics sequence should all be taken during the first year (prior to the qualifying exams). Eight credits of chemical engineering electives are required. At least three credits of these must be at the 800-level; the remainder may be at the 600- or 800-level, and suitable courses taken outside chemical engineering may be substituted. The chemical engineering electives may be started during the fall semester of the first year and are usually completed during the second year. Nine credits of CHEG 969-xxx Doctoral Dissertation are also required. These credits should be taken after all other course work is completed. A typical schedule for the first year is shown below:

**FALL 2001**

- CHEG 825  Thermodynamics
- CHEG 835  Chemical Kinetics
- CHEG 867  Chemical Engineering Principles

**SPRING 2002**

- CHEG 867  Advanced Transport Phenomena
- CHEG 868  Research
- CHEG 6xx/8xx  Technical Elective I
Grad Program 2002

There are three components to the course requirements: the chemical engineering core (thermodynamics, transport phenomena, and chemical kinetics and reaction engineering), advanced mathematics, and chemical engineering technical electives. The core courses and the mathematics sequence should all be taken during the first year (prior to the qualifying exams). Eight credits of chemical engineering electives are required. At least three credits of these must be at the 800-level; the remainder may be at the 600- or 800-level, and suitable courses taken outside chemical engineering may be substituted. The chemical engineering electives may be started during the fall semester of the first year and are usually completed during the second year. Nine credits of CHEG 969-xxx Doctoral Dissertation are also required. These credits should be taken after all other course work is completed. A typical schedule for the first year is shown below:

FALL 2002

CHEG 825  Thermodynamics
CHEG 835  Chemical Kinetics
MEEG 690  Engineering Mathematics

SPRING 2003

CHEG 867  Advanced Transport Phenomena
CHEG 868  Research
CHEG 6xx/8xx  Technical Elective
MEEG 691  Engineering Mathematics

Grad Program 2003

There are three components to the course requirements: the chemical engineering core (thermodynamics, transport phenomena, and chemical kinetics and reaction engineering), advanced mathematics, and chemical engineering technical electives. The core courses and the mathematics sequence should all be taken during the first year (prior to the qualifying exams). Eight credits of chemical engineering electives are required. At least three credits of these must be at the 800-level; the remainder may be at the 600- or 800-level, and suitable courses taken outside chemical engineering may be substituted. The chemical engineering electives may be started during the fall semester of the first year and are usually completed during the second year. Nine credits of CHEG 969-xxx Doctoral Dissertation are also required. These credits should be taken after all other course work is completed. A typical schedule for the first year is shown below:

FALL 2003

CHEG 825  Thermodynamics
CHEG 835  Chemical Kinetics
CHEG 867  Chemical Engineering Principles
MEEG 690  Intermediate Engineering Mathematics

SPRING 2004

CHEG 867  Advanced Transport Phenomena
CHEG 868  Research
CHEG 6xx/8xx  Technical Elective
CHEG 6xx/8xx  Technical Elective, or MEEG 891  Advanced Engineering Mathematics
Grad Program 2004

There are three components to the course requirements: the chemical engineering core (thermodynamics, transport phenomena, and chemical kinetics and reaction engineering), advanced mathematics, and chemical engineering technical electives. The core courses and the mathematics sequence should all be taken during the first year (prior to the qualifying exams). Eight credits of chemical engineering electives are required. At least three credits of these must be at the 800-level; the remainder may be at the 600- or 800-level, and suitable courses taken outside chemical engineering may be substituted. The chemical engineering electives may be started during the fall semester of the first year and are usually completed during the second year. Nine credits of CHEG 969-xxx Doctoral Dissertation are also required. These credits should be taken after all other course work is completed. A typical schedule for the first year is shown below:

FALL 2004

CHEG 825 Thermodynamics
CHEG 835 Chemical Kinetics
CHEG 867 Chemical Engineering Principles
CHEG Tech Elective from list below

SPRING 2005

CHEG 867 Advanced Transport Phenomena
CHEG 868 Research
CHEG 6xx/8xx Technical Elective
CHEG 6xx/8xx Technical Elective, or
MEEG 891 Advanced Engineering Mathematics