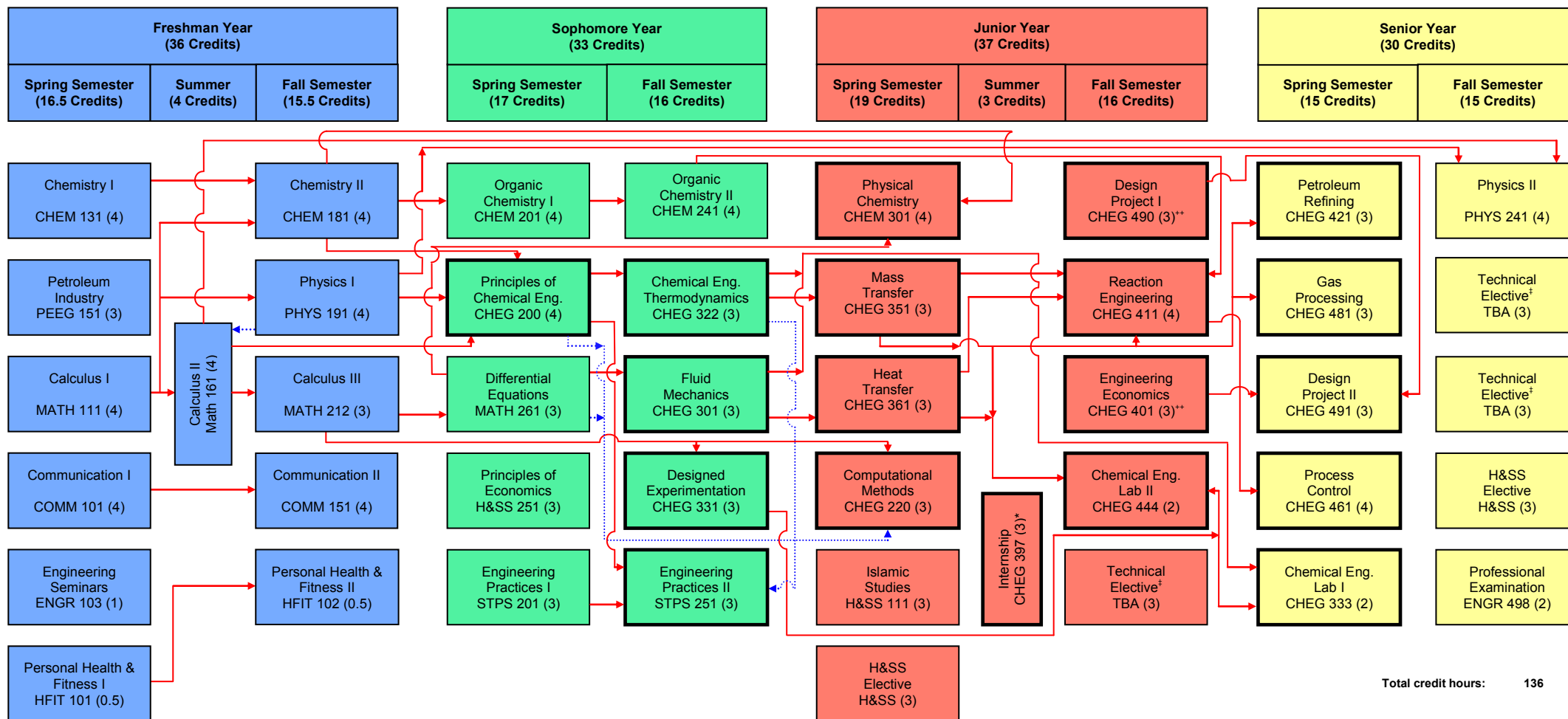


UNDERGRADUATE CHEMICAL ENGINEERING CURRICULUM FLOW CHART SPRING INTAKE (2009–2010)[©]



Chemical Engineering Technical Electives

CHEG 325	Fundamentals of Nanotechnology
CHEG/MEEG 380	Introduction to Polymer Science & Engineering (3)
CHEG 381	Polymer Chemistry (3)
CHEG 382	Polymer Chemistry Laboratory (1)
CHEG 415	Combustion and Air Pollution Control (3)
CHEG 416	Corrosion Engineering (3)
CHEG 470	Industrial Catalysis (3)
CHEG 472	Water Treatment and Membrane Processes (3)
CHEG 488	Polymer Properties (3)
CHEG 488L	Polymer Properties Laboratory (1)
CHEG 491	Polymer Processing (3)
CHEG 491L	Polymer Processing Laboratory (1)

→ Pre-requisite Offered once a year
→ Pre-requisite or Co-requisite **Senior standing (≥90 credit hours)

Out of Program Technical Electives[‡]

ENGR 201	Statics (3)
ELEG 205	Electric Circuits I (4)
ELEG 206	Introduction to C++ Programming (3)
MEEG 324	Engineering Dynamics (3)
MEEG 334	Materials Science (3)
MEEG 344	Mechanics of Materials (3)
MEEG 454	Refrigeration/air conditioning and cryogenics (3)
MEEG 459	Turbo Machinery (3)
MATH 361	Engineering Mathematics (3)
MATH 461	Linear Algebra (3)
PEEG 252	Statics and Strength of Materials (3)
PEEG 339	Overview of Petroleum Reservoir Engineering (3)
PEEG 342	Production Facilities (3)
PHYS 341	Modern Physics (3)

[‡]Other technical elective courses could be taken with the permission of student advisor and program director.

[‡]Minimum of 2 technical electives should be CHEG courses

Humanities & Social Science (H&SS) Electives

H&SS 121	German Language I (3)
H&SS 161	Topics in Islamic Studies (3)
H&SS 171	German Language II (3)
H&SS 201	The West in the Middle East (3)
H&SS 221	Introduction to Political Science (3)
H&SS 222	The UAE Before and since the Discovery of Oil (3)
H&SS 271	Special Topics in Humanities (3)
H&SS 272	Special Topics in the Social Sciences (3)
H&SS 301	The Origins of the Two World Wars (3)
H&SS 311	Leadership (3)
H&SS 321	The Political, Economic and Technological Development of Japan (3)
H&SS 333	The History and Politics of Middle East Oil (3)
H&SS 351	World Petroleum Markets (3)
H&SS 372	Topics in International Economics (3)
H&SS 373	Personal Financial Management (3)
H&SS 375	The Economics of Money, Banking and Financial Markets (3)

*Students in junior level & above

[©]Applicable for students joining the program in Spring 2010