

		15 Credits	Prerequisites/Co-requisites
CHEE 200	Introduction to Chemical Engineering	4	-
CHEE 291	Instrumental Measurement Laboratory	4	-
CHEM 212	Introductory Organic Chemistry 1	4	P - CHEM 110 or equivalent / C - CHEM 120 or equivalent
MATH 262	Intermediate Calculus	3	P - MATH 141, MATH 133

		16 Credits	Prerequisites/Co-requisites
CHEE 204	Chemical Manufacturing Processes	3	P - CHEE 200
CHEE 220	Chemical Engineering Thermodynamics	3	P - CHEE 200
CHEM 234	Topics in Organic Chemistry	3	P - CHEM 212 or equivalent
COMP 208	Computers in Engineering	3	P - MATH 140, MATH 141
FACC 100	Introduction to the Engineering Profession	1	-
MATH 263	Ordinary Differential Equations for Engineers	3	C - MATH 262

		16 Credits	Prerequisites/Co-requisites
CHEE 314	Fluid Mechanics	4	P - CHEE 204 / C - MATH 264
CHEE 370	Elements of Biotechnology	3	P - CHEM 212
CHEE 380	Materials Science	3	-
MATH 264	Advanced Calculus for Engineers	3	P - MATH 262 / C - MATH 263
MIME 310	Engineering Economy	3	-

		17 Credits	Prerequisites/Co-requisites
CHEE 310	Physical Chemistry for Engineers	3	P - CHEE 220 or MIME 212
CHEE 315	Heat and Mass Transfer	4	P - CHEE 314
CHEE 340	Process Modelling	3	P - MATH 263, MATH 264, CHEE 314
CHEE 351	Separation Processes	3	P - CHEE 204, CHEE 220 / C - CHEE 315
CHEE 360	Technical Paper 1	1	-
CS	Complementary Studies Group B (HSSML) - 1	3	-

		16 Credits	Prerequisites/Co-requisites
CHEE 392	Project Laboratory 1	4	P - CHEE 291
CHEE 423	Chemical Reaction Engineering	4	P - CHEE 310
CHEE 453	Process Design	4	P - CHEE 315, CHEE 351
CHEE 462	Technical Paper 2	1	P - CHEE 360

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		17 Credits	Prerequisites/Co-requisites
CHEE 457	Design Project 2	5	P - CHEE 456
CHEE 474	Biochemical Engineering	3	P - CHEE 370
CHEE xxx	Technical Complementary	3	-
CHEE xxx	Technical Complementary	3	-
CS			

P - FACC 100, 60 program credits

**The Technical Complementary courses currently approved by the Department are as follows:**

6-9 credits from the following:

		Credits
BIOT 505	Selected Topics in Biotechnology (Biotechnology Minor students only)	3
CHEE 363	Projects Chemical Engineering 1	2
CHEE 438	Engineering Principles in Pulp and Paper Processes	3
CHEE 452	Particulate Systems	3
CHEE 458	Computer Applications	3
CHEE 464	Projects in Chemical Engineering 2	2
CHEE 487	Chemical Processing: Electronics Industry	3
CHEE 494	Research Project and Seminar 1	3
or CHEE 495	Research Project and Seminar 2	4
or CHEE 496	Environmental Research Project	3
CHEE 541	Electrochemical Engineering	3
CHEE 543	Plasma Engineering	3
CHEE 561	Introduction to Soft Tissue Biophysics	3
CHEE 562	Engineering Principles in Physiological Systems	3
CHEE 563	CHEE 562	