

CHEMICAL ENGINEERING

Recommended course plan

YEAR	FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
FRESHMAN	Writ 101 – First Year Writing I	3	Writ 102 – First Year Writing II	3
	Chem 105/115 – General Chemistry I	4	Chem 106/116 – General Chemistry II	4
	Math 261 – Calculus I	3	Phys 211/221 – Calc-based Physics I	4
	ChE 101 – Intr. to Chem Engineering	2	Math 262 - Calculus II	3
	Social Science/Fine Arts/Humanities	3	ChE 251 – Programming for Chem Engr.	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	17
SOPHOMORE	Math 263 – Calculus III	3	Math 264 – Calculus IV	3
	Chem 221/225 – Organic Chemistry I	4	Math 353 – Differential Equations	3
	ChE 307 – Chemical Engr. Processes I	2	Phys 212/222 – Calc-based Physics II	4
	ENGR 321 – Thermodynamics	3	ENGR 322 – Transport Phenomena	3
	Social Science/Fine Arts/Humanities	3	ChE 308 – Chemical Engr. Processes II	2
			Social Science/Fine Arts/Humanities	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	18	
JUNIOR	ChE 421 – Chem. Engineering Thermodynamics	3	ChE 345 – Engineering Economy	3
	ChE 317 – Process Fluid Dynamics	3	ChE 417 – Separation Processes	3
	ChE 431 – Mass & Energy Balance Lab	1	ChE 423 – Chemical Reactor Analysis	3
	ENGR 310 – Engineering Analysis I	3	Engineering Elective	3
	Advanced Science	3	Tech Elective	3
	Social Science/Fine Arts/Humanities	3		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	15
SENIOR	ChE 411 – Chem. Engineering Seminar	1	ChE 433 – Chem. Engineering Design Lab	2
	ChE 412 – Process Control and Safety	3	ChE 450 – Product and Process Dev't	1
	ChE 432 – Unit Operations Lab	1	ChE 452 – Plant Design II	3
	ChE 449 – Process Design	3	Engr 313 – Material Science	3
	Social Science/Fine Arts/Humanities	3	Tech Elective	3
	Social Science/Fine Arts/Humanities	3	Tech Elective	3
TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	15	
MINIMUM TOTAL CREDIT HOURS				128



Visit engineering.olemiss.edu/advising for full course information.