

Engineering – Chemical – course sequence 2018 - 2019



Prerequisites

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
MATH 2111	Precalculus		4
Total Credits			4

Year I – Semester I

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
CHEM 1030	General Chemistry I		5
ENGL 1010	Composition I		3
ENGR 1020	Intro to Engineering and Technology		3
MATH 2141	Calculus I		4
ECON 2030	Principles of Microeconomics		3
Total Credits			18

Year I – Semester 2

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
CHEM 1100	General Chemistry II		5
PHYS 1100	Engineering Physics		4
CHE 232 (URI)	Materials Science and Engineering		3
MATH 2142	Calculus II		4
Total Credits			16

Year 2 – Semester I

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
CHEM 2250	Organic Chemistry I Lecture		3
MATH 2243	Calculus III		4
ENGR 2150	Intro to Electrical Engineering		3
ENGR 2151	Intro to Electrical Engineering Lab		1
ENGR 2160	Intro to Engineering Analysis		2
CHE 212 (URI)	Chemical Process Calculation		3
Total Credits			16

Year 2 – Semester 2

COURSE NO.	COURSE TITLE	COURSE NOTES	CREDITS
CHEM 2260	Organic Chemistry II Lecture		3
MATH 2362	Advanced Engineering Mathematics		4
CHE 272 (URI)	Intro to Chemical Engineering Calculations		3
CHE 313/213 (URI)	Chemical Engineering Thermodynamics		3
HUMANITIES or SOCIAL SCI	See approved list*		3
Total Credits			16
Total Sequence Credits			70

*Approved General Education courses: <https://www.ccri.edu/pathways/paths/general-education>