



Transfer Pathway Claflin University -to-USC Columbia

B.S.E. in Chemical Engineering

	YEAR (Take at Claflin)
Fall Semester	
Claflin University Course	USC Chemical Engineering Course
ENGL 101 Composition I	ENGL 101 Critical Reading and Composition
CHEM 121 General Chemistry I	CHEM 111 General Chemistry + CHEM 111 Genera Chemistry Lab
BIOL 121 General Biology I	Technical Elective
MATH 201 Calculus I	MATH 141 Calculus I
UNIV 101 Orientation	
Spring Semester	
Claflin University Course	USC Chemical Engineering Course
ENGL 102 Composition II	ENGL 102 Rhetoric & Composition
BIOL 122 General Biology II	Technical Elective
CHEM 122 General Chemistry II	CHEM 112 General Chemistry + CHEM 112 Genera
	Chemistry 112 Lab
MATH 202 Calculus II	MATH 142 Calculus II
ENGR 102 Introduction to Engineering	ENCP 101 Introduction to Engineering
UNIV 102 Orientation	
SECOND	YEAR (Take at Claflin)
Fall Semester	
Claflin University Course	USC Chemical Engineering Course
CHEM 201 Analytical Chemistry	Chemistry Elective CHEM 322 Analytical Chemistry
CHEM 231 Organic Chemistry I	CHEM 333 Organic Chemistry + Chemistry Lab Elective CHEM 333L
PHYS 203 Principles of Physics I	PHYS 211 Essentials of Physics I + PHYS 211 Essentials of Physics I Lab
MATH 301 Calculus III	
ASMB 201 Assembly	
CHEM 291 Soph. Seminar I	
General Ed (e.g. Culture)	
Spring Semester	
Claflin University Course	USC Chemical Engineering Course
MATH 212 Linear Algebra	
CHEM 232 Organic Chemistry II	CHEM 334 + Chemistry Lab Elective CHEM 334L
PHYS 204 Principles of Physics II	PHYS 212 Essentials of Physics II + PHYS 212L Essentials of Physics II Lab
CSCI 206 Fundamentals of Program.	Programming Elective CSCE 206 Scientific Applic. Prog.
ACMD 202 Assessed	
ASMB 202 Assembly	
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CHEM 292 Sophomore Seminar II Gen. Ed (e.g. AAAS 101)	Carolina Core GSS elective

	THERE WEAR (Table of Classic)
	THIRD YEAR (Take at Claflin)
Fall Semester	
Claflin University Course	USC Chemical Engineering Course
CHEM 401 Biochemistry I	CHEM 550 Biochem + Chemistry Elective CHEM 550L Career Elective
CHEM 305 Physical Chemistry I	
Gen. Ed (e.g. Culture)	Carolina Core AIU Elective
CHEM 491 Senior Seminar I	
ENGR 215 Statics	Engineering Elective ENCP 200
HNTH 392 Honors Thesis II	
Spring Semester	
Claflin University Course	USC Chemical Engineering Course
CHEM 304 Inorganic Chemistry	
CHEM 404 Instr. Methods	CHEM 621 Inst. Analysis + CHEM 621L Instr. Analysis Lab Technical Elective
MATH 302 Differential Equations	MATH 242 Elementary Differential Equations
CHEM 306 Physical Chemistry II	Technical Elective
CHEM 492 Senior Seminar II	
ENGR 216 Dynamics	Engineering Elective ENCP 210
HNTH 491 Honors Thesis III	
	FOURTH YEAR (Take at USC)
Fall Semester	
Claflin University Course	USC Chemical Engineering Course
	MATH 241 Vector Calculus
	Professional Development Elective (Fall only)
	ECHE 300 Chemical Process Principles
Chemistry Elective (Biophysical)	ECHE 310 Intro. To. Chem. Engr. Thermodynamics
Chemistry Elective (e.g. Polymer)	ECHE 320 Chem. Engr. Fluid Mechanics
Gen Ed (e.g. Global Studies)	Carolina Core GFL or placement test
Spring Semester	
Claflin University Course	USC Chemical Engineering Course
	ECHE 311 Chem. Engr. Thermodynamics
	ECHE 321 Heat Flow Analysis
CHEM 391 + CHEM 392 Jr Semina	
	ECHE 456 Compt. Methods for Engr. Applic.
Gen Ed (e.g. Global Studies)	Liberal Arts elective
- 11.0	FIFTH YEAR (Take at USC)
Fall Semester	1
Claflin University Course	USC Chemical Engineering Course
	ECHE 430 Chemical Engineering Kinetics
	ECHE 440 Separation Process Design (Fall only)
CHEM 420 Deceases	ECHE 461 Chemical Engineering Lab II (Fall only)
CHEM 420 Research	ECHE 465 Chem. Proc. Analysis & Design I (Fall only)
Chaina Concertor	ECHE 550 Chem. Proc. Dynamics & Control (Fall only)
Spring Semester	USC Chamical Engineering Course
Claflin University Course	USC Chemical Engineering Course
	ECHE 466 Cham, Process Applyois & Dosign II
	ECHE 466 Chem. Process Analysis & Design II (Spring only)
	ECHE 567 Process Safety, Health, & Loss Prev. (Spring only)
	PHIL 325 Engineering Ethics
Gen Ed (e.g. Cultural Humanities	Carolina Core GHS Elective

This Addendum displays Claflin University courses completed with a "C" or higher that USC CEC accepts as transfer credit in this transfer pathway.

Revised August 2024.