CHEMICAL ENGINEERING (CHEN)
2019-2020

Student ID# _____ Student Name _____ GID _____

CHEN Specialization _____

FRESHMAN YEAR

_____	CHEM 1110 General Chemistry I (P)	3	
_____	CHEM 1111 General Chemistry I Lab (P)	1	
_____	ENGL 1100 English Composition I	3	
_____	ENGR 1110 Intro to Engineering (CHEN) (P)	2	
_____	MATH 1610 Calculus I (P)	4	
_____	Core History[1]	3	
_____	CHEM 1120 General Chemistry II (P)	3	
_____	CHEM 1121 General Chemistry II Lab (P)	1	
_____	COMP 1200 Intro to Eng. Computing/MATLAB	2	
_____	ENGL 1120 English Composition II	3	
_____	ENGR 1100 Engineering Orientation (P)	0	
_____	MATH 1620 Calculus II (P)	4	
_____	PHYS 1600 Engineering Physics I	4	

SOPHOMORE YEAR

_____	BIOL 1020 Principles of Biology	3	
_____	BIOL 1021 Principles of Biology Lab	1	
_____	**CHEN 2100 Principles of Chemical Eng.**	**4**	
_____	MATH 2630 Calculus III	4	
_____	PHYS 1610 Engineering Physics II	4	
_____	CHEM 2070 Organic Chemistry I	3	
_____	CHEM 2071 Organic Chemistry I Lab	1	
_____	**CHEN 2AA0 Progress Assessment I**	**0**	
_____	**CHEN 2610 Transport I**	**3**	
_____	**CHEN 2650 Applied Math for Chemical Eng.**	**3**	
_____	ENGR 2010 Thermodynamics	3	
_____	MATH 2650 Linear Diff Equations	3	

JUNIOR YEAR

_____	CHEM 2080 Organic Chemistry II	3	
_____	**CHEN 3370 Phase & Reaction Equilibrium**	**3**	
_____	**CHEN 3600 Computer-Aided Chemical Eng.**	**3**	
_____	**CHEN 3620 Transport II**	**3**	
_____	Core Social Science[1]	3	
_____	**CHEN 3AA0 Progress Assessment II**	**0**	
_____	**CHEN 3650 Applied CHEN Analysis**	**3**	
_____	**CHEN 3660 Chemical Engineering Separations**	**3**	
_____	**CHEN 3700 Chemical Reaction Eng.**	**3**	
_____	**CHEN 3820 Chemical Engineering Lab I**	**2**	
_____	**CHEN Technical Elective I**	**3**	
_____	PHIL 1040 Business Ethics	3	

SENIOR YEAR

_____	**CHEN 4170 Digital Process Control**	**3**	
_____	**CHEN 4450 Process Economics & Safety**	**3**	
_____	**CHEN 4460 Process Simulation & Optimization**	**2**	
_____	**CHEN 4860 Chemical Engineering Lab II**	**2**	
_____	**CHEN Technical Elective II**	**3**	
_____	Core Literature[1]	3	
_____	**CHEN 4470 Process Design Practice**	**3**	
_____	**CHEN Technical Elective III or ROTC**	**3**	
_____	**CHEN Technical Elective IV or ROTC**	**3**	
_____	Core Fine Arts	3	
_____	Core Social Science[1]	3	
_____	UNIV4AA0 EN1 Undergrad Graduation	0	

TOTAL 128 SEMESTER HOURS DATE_____

[1] The AU Bulletin lists the University Core Curriculum requirements for students in the College of Engineering. Students must complete a sequence in either Literature or History. Because of the discipline specific requirements for the Humanities courses, it is recommended that a History sequence be completed in the Social Sciences courses.

Technical Electives: See advisor for approved course listing. At least three hours of Technical Electives must be coursework offered by an engineering department.

CHEM 1110, 1111, 1120 and 1121 are preferred, but CHEM 1030, 1031, 1040 and 1041 are acceptable substitutes. Honors sections of all courses will be accepted for this curriculum.

(P) - Denotes courses required for pre-engineering

Only academic advisors in Student Services may mark on this curriculum sheet. Other marks or alterations of this document could result in delayed graduation.

Reviewer: _____ Approved by UCC on: January 29, 2019