



Name _____

CSU ID No _____

CHEMICAL ENGINEERING

Curriculum Sheet

<u>Fall Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>
ENG 100 or ENG 101 English I	3	_____	ESC 102 Technical Writing, or		
MTH 181 Calculus I	4	_____	or ENG 102 English II	3	_____
CHM 261 General Chemistry I	3	_____	MTH 182 Calculus II	4	_____
CHM 266 Gen Chemistry Lab I	1	_____	PHY 241 University Physics I	5	_____
ESC 120 Intr. to Eng. Design	2	_____	CHM 262 General Chemistry II	3	_____
*ESC 100 New Student Orient.	1	_____	CHM 267 Gen Chemistry Lab II	1	_____
^{!See note at bottom of page}	14			16	
<u>Fall Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>
PHY 242 University Physics II	5	_____	CHE 300 Chem Eng Principles	4	_____
**ESC 130 Eng. Co-Op Orient.	1	_____	General Education Elective	3	_____
ESC 152 MATLAB Programming	3	_____	ESC 301 Fluid Mechanics	3	_____
ESC 270 Materials Science	3	_____	MTH 283 Multiv Calc f/Eng,		
ESC 250 Diff Eqns f/Engineers	3	_____	or MTH 281 Multiv Calculus	2	_____
ESC 321 Thermodynamics 1	3	_____	ESC 350 Linear Algebra f/Engrs	3	_____
	17		ESC 310 Probability & Statistics	3	_____
				18	
<u>Fall Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>
CHE 302 Chemical			CHE 404 Chemical Reactor		
Engineering Thermodynamics	4	_____	Design (WAC)	4	_____
CHE 306 Transport Phenomena	4	_____	CHE 408 Separation Processes	4	_____
CHE 307 Chemical Engineering			PHL 215/213H Engng/Env.		
Methods (WAC)	3	_____	Ethics (WAC, A&H)	3	_____
CHM 331 Organic Chemistry I	3	_____	CHM 322 Physical Chemistry II	3	_____
CHM 336 Organic Chem. Lab I	1	_____	ESC 282 Engng. Economy (SS)	3	_____
	15			17	
<u>Fall Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>
CHE 430 Process Control	4	_____	CHE 420 Chemical Engineering		
CHE 440 Process Design I (WAC)	3	_____	Capstone Laboratory	4	_____
CBE Senior Elective	3	_____	CHE 441 Process Design II	3	_____
Advanced Science Elective			CBE Senior Elective	3	_____
[See Dept/Program List]	3	_____	General Education Elective (SS)	3	_____
General Edu. Elective (AAE)	3	_____	General Education Elective (SD)	3	_____
	16			16	

*Not required for transfer students. ** Recommended for everyone (*see Co-Op Plan of Study for details*)

[!]Suggested if room in schedule (not required, does not count towards degree): MCE 180/181 CAEI/II, IST 203 Software Tools

Minimum number of credits required for degree (excluding New Student and Co-Op Orientation): 128