OCCC Engineering - Transfer to OU Chemical Engineering

ociate in Science Min 62 Credits

3/24/2016

Assoc	Associate in Science Min. 62 Credits				3/24/2016		
Year		FIRST SEMESTER	HRS		SECOND SEMESTER	HRS	
FRESHMAN		OCCC			OCCC		
	MATH	2104, Calculus and Analytic Geometry I	4	MATH	2214, Calculus and Analytic Geometry II	4	
	CHEM	1115, General Chemistry I	5	PHYS	2014, Engineering Physics I	4	
	ENGL	1113, English Composition I	3	ENGL	1213, English Composition II	3	
	SCL	1001, Success in College Life	1	CHEM	1215, General Chemistry II	5	
	ENGR	1113, Introduction to Engineering	3		·		
	TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS		16	
SUMMER		SUMMER/INTERSESSION/ONLINE					
	PSY	1113, Intro to Psychology (OR)	3				
	soc	1113, Intro to Sociology					
		Applies to Social Sciences at OU					
	POLSC	1113, American Federal Government	3				
	TOTAL	. CREDIT HOURS	6				
SOPHOMORE		OCCC			OCCC		
	MATH	2314, Calculus and Analytic Geometry III	4	CHEM	2124, Organic Chemistry II	4	
	PHYS	2114, Engineering Physics II	4	CHEM	2122, Organic Chemistry Lab	2	
	CHEM	2114, Organic Chemistry I	4	MATH	2413, Ordinary Differential Equations	3	
				HUM	1113, Music Appreciation (OR)	3	
		OU (Concurrent Enrollment)		ART	1053, Art Appreciation (OR)		
	•CH E	2033, Chemical Engineering Fundamentals	3	HUM	2243 , Film Studies		
	*CH E	2002, Intro to Chemical Engineering Computing	2		OU (Concurrent Enrollment)		
	ENGR	3511, Transfer Students	1	CH E	3113, Momentum Heat & Mass Transfer I	3	
	TOTAL	. CREDIT HOURS	18	TOTAL	L CREDIT HOURS	15	
	TOTAL	CREDIT HOURS SUMMER/INTERSESSION/ONLINE	18	TOTAL	L CREDIT HOURS	15	
ER	GEOG		18	TOTAI	L CREDIT HOURS	15	
MER		SUMMER/INTERSESSION/ONLINE		TOTAI	L CREDIT HOURS	15	
MMER	GEOG HUM	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR)		TOTAI	L CREDIT HOURS	15	
SUMMER	GEOG HUM <i>Ap</i> HIST	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology pplies to Western Civilization Humanity at OU U.S. History Elective		TOTAI	L CREDIT HOURS	15	
SUMMER	GEOG HUM <i>Ap</i> HIST	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS	3	TOTAI		15	
SUMMER	GEOG HUM AJ HIST TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll)	3 3 6		OU		
	GEOG HUM AI HIST TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II	3 3 6	CH E	OU 2313, Structures & Properties of Materials	3	
	GEOG HUM AI HIST TOTAL CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics	3 3 6 3 3	CH E CH E	OU 2313, Structures & Properties of Materials 3333, Separation Processes	3 3	
	GEOG HUM AJ HIST TOTAL CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation	3 3 6 3 3	CH E CH E ‡CH E	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory	3 3 2	
	GEOG HUM AI HIST TOTAL CH E CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I	3 3 6 3 3	CH E CH E ‡CH E CH E	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics	3 3 2 3	
JUNIOR SUMMER	GEOG HUM AI HIST TOTAL CH E CH E CH E CHEM CHEM	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab	3 6 3 3 3 3 1	CH E CH E ‡CH E CH E ‡ENGL	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing	3 3 2 3 3	
	GEOG HUM AI HIST TOTAL CH E CH E CH E CHEM CHEM	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS	3 6 3 3 3 3	CH E CH E ‡CH E CH E ‡ENGL	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS	3 3 2 3	
	GEOG HUM AJ HIST TOTAL CH E CH E CH E CHEM CHEM TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU	3 6 3 3 3 1 13	CH E CH E ‡CH E CH E ‡ENGL TOTAI	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU	3 3 2 3 3	
JUNIOR	GEOG HUM AHIST TOTAL CH E CH E CHEM CHEM TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control	3 6 3 3 3 3 1 13	CH E CH E ‡CH E CH E ‡ENGL TOTAI	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing CREDIT HOURS OU 2411, Applied Engineering Statics	3 3 2 3 3	
JUNIOR	GEOG HUM AI HIST TOTAL CH E CH E CHEM CHEM TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I	3 6 3 3 3 1 133	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits	3 3 2 3 3 14	
JUNIOR	GEOG HUM AHIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology pplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab	3 6 3 3 3 1 13 3 3 2	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems	3 3 2 3 3 14	
JUNIOR	GEOG HUM AI HIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab ical Elective I	3 6 3 3 3 1 13 3 3 2 3	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone)	3 3 2 3 3 14	
	GEOG HUM AI HIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology pplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab	3 6 3 3 3 1 13 3 3 2	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E §Techn	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone) ical Elective II	3 3 2 3 3 14	
JUNIOR	GEOG HUM AI HIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E CH E CH E CH E CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab ical Elective I ved Elective, Core IV: Non-Western Culture	3 6 3 3 3 1 13 3 3 2 3	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E §Techn #Advan	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone) ical Elective II	3 3 2 3 3 14 1 1 1 1 3 3 3	
SENIOR	GEOG HUM AHIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E CH E CH E TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab ical Elective I ved Elective, Core IV: Non-Western Culture	3 6 3 3 3 1 13 3 3 2 3	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E §Techn #Advan	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone) ical Elective II	3 3 2 3 3 14	
SENIOR JUNIOR	GEOG HUM AHIST TOTAL CH E CH E CHEM CHEM TOTAL CH E CH E CH E TOTAL TOTAL TOTAL TOTAL	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab ical Elective I ved Elective, Core IV: Non-Western Culture CREDIT HOURS Sees required for 1st Semester Junior Year.	3 6 3 3 3 1 133 3 3 2 3 3	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E §Techn #Advan	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone) ical Elective II iced Chemistry Elective L CREDIT HOURS	3 3 2 3 3 14 1 1 1 1 3 3 3 3	
SENIOR JUNIOR	GEOG HUM AA HIST TOTAL CH E CH E CHEM CHEM TOTAL CH E	SUMMER/INTERSESSION/ONLINE 2603, World Regional Geography (OR) 2143, Mythology oplies to Western Civilization Humanity at OU U.S. History Elective CREDIT HOURS OU (Need Prereqs to Enroll) 3123, Momentum Heat & Mass Transfer II 3473, Chemical Engineering Thermodynamics 3723, Numerical Methods for Engr Computation 3423, Physical Chemistry I 3421, Physical Chemistry Lab CREDIT HOURS OU 4153, Process Dynamics and Control 4253, Chemical Engineering Design I 4262, Chemical Engineering Design Lab ical Elective I ved Elective, Core IV: Non-Western Culture	3 6 3 3 3 1 133 3 3 2 3 3	CH E CH E ‡CH E ‡ENGL TOTAI ENGR ENGR ENGR CH E §Techn #Advan	OU 2313, Structures & Properties of Materials 3333, Separation Processes 3432, Unit Operations Laboratory 4473, Kinetics 3153, Technical Writing L CREDIT HOURS OU 2411, Applied Engineering Statics 2431, Electrical Circuits 3431, Electromechanical Systems 4273, Advanced Process Design (Capstone) ical Elective II	3 3 2 3 3 14 1 1 1 3 3 3 3 12 es: 68	

•Chemical Engineering courses are sequential & usually offered only in the semester shown. Note prerequisites.

#Advanced chemistry elective must be preapproved as having significant chemistry content. This elective must be chosen from but is not limited to the following: CHEM 3523, 3653, 4333; CH E 5163, 5243, 5273, 5453, 5673.

†To be chosen from the University-Wide General Education Approved Course List. Three of 12 hours must be upper division.

§One of the Technical Elective I, Technical Elective II, or the Advanced Chemistry elective must be CH E. Prior faculty approval needed.