

Navajo Technical University

Name: _____ ID#: _____

Associate of Applied Science – Chemical Engineering (62 Credits)

Chemical Engineering and Process Technologists and Technicians work on industrial processes designed to convert raw materials into petroleum products. Since the Four Corners region has significant oil and gas fields, there are a number of refineries and other oil and gas related operations throughout the area. Technologists run production units, help design operations, implement process controls and address corrosion concerns. They do these tasks both in the field and in large plants. They also research products and technologies as well as environmental and reclamation techniques. Environmental reclamation, given the number of abandoned mine sites on the Navajo Nation and in Arizona, Utah, and Colorado, provides jobs throughout Navajo Tech’s service area.

Semester ONE		Credits	Prerequisite	Semester/Transfer	Grade
MATH1220	College Algebra	4	MATH1215		
ENGL1110	Composition I	3	ENGL098		
CHEM119	Safety, Health & Environment I	4			
CHEM1217C	General Chemistry I with Laboratory	4	MTH120, CHEM1120		
CHEM117	Introduction to Chemical Laboratory Equipment	4			
Semester TWO					
CMP101	Introduction to Computers	3			
NAV225	Dine Philosophy of Education	3			
CHEME115	Introduction to Process Industries	3			
CHEME218	Process Technology II System	4	CHEME117		
Semester THREE					
HUMXXX	Humanities/Social Science Course	3			
COMM1130	Public Speaking	3	ENGL1210 or 1110		
CHEME231	Process Technology III Operation	4	CHEME 218		
CHEME202	Industrial Chemistry and Lab	4	CHEM 120/122		
CHEME222	Fundamentals of Chemical Engineering	4	MATH 1220		
Semester FOUR					
CHEME 223	Petroleum Refinery Engineering & Petrochemicals	4	CHEM 122		
CHEME 224	Quality Control in Chemical Engineering	4	MATH1220		
CHEME 230	Practicum in Industry	4			
TOTAL REQUIRED CREDIT HOURS		62			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 8/22/2019