

Navajo Technical University

Name: _____ ID#: _____

Associate of Applied Science – Chemical Engineering (61-62 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		
CHEME119	Safety, Health & Environment	4			
CHEME115	Introduction to Process Technology	3			
SSC100	College Success	1			
Semester TWO					
BCIS 1115	Introduction to Computers	3			
MATH1230	Trigonometry	4	MATH1220		
NAV/HUM	NAVA1110, NAVA 2210 OR NAVA 2230	3-4			
CHEM1120	Introduction to Chemistry	4			
CHEME117	Process Technology I - Equipment	3			
Semester THREE					
CHEME218	Process Technology II System	4	CHEME117		
CHEME202	Industrial Chemistry and Lab	4	CHEM1120		
CHEME222	Fundamentals of Chemical Engineering	4	MATH 1220 or Instructor Permission		
Semester FOUR					
CHEME 223	Petroleum Refinery Engineering & Petrochemicals	4	CHEM1120 or Instructor Permission		
CHEME231	Process Technology III Operation	4	CHEME218		
CHEME 224	Quality Control in Chemical Engineering	4			
CHEME 230	Practicum in Industry	4			
TOTAL REQUIRED CREDIT HOURS		61-62			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 6/1/2020