

Navajo Technical University

Name: _____

ID#: _____

Associate of Applied Science – Chemical Engineering Technology (75-76 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
MATH 1220	College Algebra	4	MATH 1215		
ENGL 1110	Composition I	3	ENGL 100		
CHEME 115	Introduction to Process Technology	3			
ENGR 103	Introduction to Engineering	3			
CHEM 1120C	Introduction to Chemistry	4			
SSC 100	College Success Skills	1			
Semester TWO					
BCIS 1115	Introduction to Computers	3			
MATH 1230	Trigonometry	4	MATH 1220		
Dine Studies	NAVA1110, NAVA 2210 OR NAVA 2230	3-4			
CHEM 1217C	Principles of Chemistry I	4	MATH 1220, CHEM 1120C		
CHEME 117	Process Technology I - Equipment	4			
Semester THREE					
CHEME 119	Safety, Health & Environmental I	4			
CHEME 218	Process Technology II System	4	CHEME 117		
CHEM 1225C	General Chemistry II for STEM Majors	4	CHEM 1217C		
CHEME 202	Industrial Chemistry and Lab	4	CHEM 1120		
CHEME 222	Fundamentals of Chemical Engineering	4	MATH 1220 or Instructor Permission		
Semester FOUR					
CHEM 2130C	Organic Chemistry I	4	CHEM 1225C		
CHEME 223	Petroleum Refinery Engineering & Petrochemicals	4	CHEM 1120 or Instructor Permission		
CHEME 224	Quality Control in Chemical Engineering	4	MATH 1220		
CHEME 231	Process Technology III-Operations	4	CHEME 218		
CHEME 230	Practicum in Industry	3			
TOTAL REQUIRED CREDIT HOURS		75-76			

	Signatures	Date
Student:		
Advisor:		
Registrar:		
Graduation Date:		

Updated 7/23/2026