

Degree Audit

Student Name: Joe Averageman
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Credits Earned: 24
Declared Major: Petroleum Engineering

GE-ORAL AND WRITTEN COMMUNICATION - ENG (6 Required credits)									Requirement Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
COMM1301	Introduction to Communication	3						3	
COMM2301	Academic Writing	3	COMM1301					3	

GE- Quantitative Literacy - ENG									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
MATH1321	Calculus I	3						3	
MATH1311	Statistics I	3				Not Taken	Ready To Take		

GE-HUMANITIES - ENG (6 Credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
ENGL2301	American Literature	3				Not Taken	Ready To Take		
INTS1302	Kurdish Studies	3				Not Taken	Ready To Take		
PHIL1311	Ethics and Social Responsibility	3				Not Taken	Ready To Take		
INTS1303	Middle East History	3	INTS1302		Not Met	Not Taken			
PHIL1310	Introduction to Philosophy	3				Not Taken	Ready To Take		
COMM2320	Introduction to Journalism	3				Not Taken	Ready To Take		
SOCI2310	Culture, Diversity, and Multiculturalism	3				Not Taken	Ready To Take		
INTS3311	Democracy and Civil Society	3				Not Taken	Ready To Take		

GE-ARTS - ENG (3 Credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
DESN1300	Kurdish Art	3				Not Taken	Ready To Take		
DESN1302	Visual Communication I	3				Not Taken	Ready To Take		
ARCE2312	Freehand Architectural Drawing	3				Not Taken	Ready To Take		
ARCE3308	Architecture: Culture, Community, and Climate	3				Not Taken	Ready To Take		

GE-IT LITERACY - ENG (3 Required credits)									Requirement Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
CSIT1301	Computer Literacy	3						3	

GE-NATURAL SCIENCES - ENG (7 required credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
CHEM1401	Chemistry & Lab	4						4	
PHYS2302	Statics	3				Not Taken	Ready To Take		

GE-SOCIAL SCIENCES - ENG (3 Required credits)									Requirement Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
PSYC1301	Introduction to Psychology	3						3	
INTS2307	Power and Society	3				Not Taken			
INTS1301	Globalization	3				Not Taken			
SOCI1301	Introduction to Sociology	3				Not Taken			
PSYC2310	Human Growth and Development	3				Not Taken			
INTS4318	Negotiation and Mediation Models	3				Not Taken			
COMM2310	Media and Society	3				Not Taken			

GE- Mandatory SOCIAL SCIENCE Course - ENG (3 Required credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
MGMT1314	Principles of Management	3				Not Taken	Ready To Take		

GE-Interdisciplinary Seminar - ENG (3 credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
INDS3301	Interdisciplinary Seminar	3				Not Taken	Ready To Take		

Required PENG Program Courses (82 Credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
PENG1204	Introduction to Petroleum Engineering	2						2	
PENG1205	Physical Geology	2				Not Taken	Ready To Take		
MATH1322	Calculus II	3	MATH1321			Not Taken	Ready To Take		
PENG1310	Petroleum Exploration Engineering	3	PENG1205		Not Met			3	
MATH2304	Numerical Analysis	3	MATH1322		Not Met	Not Taken			
CHEM2205	Organic Chemistry	2	CHEM1401			Not Taken	Ready To Take		
GENG2211	Introduction to Health, Safety and Environment	2	CHEM1401			Not Taken	Ready To Take		
PHYS2303	Dynamics	3	PHYS2302		Not Met	Not Taken			
MATH2323	Calculus III- Mutiple Integral and FourierSeries	3	MATH1322		Not Met	Not Taken			
PENG2409	Reservoir Fluids and Rock Properties	4	CHEM2205	PENG1205	Not Met	Not Taken			
PENG2310	Drilling Systems I	3	PENG1205		Not Met	Not Taken			
MATH3202	Linear Algebra for Engineers	2				Not Taken	Ready To Take		
GENG3303	Mechanics of Materials	3	MATH1322		Not Met	Not Taken			
PENG3304	Fundamentals of Reservoir Engineering	3	PENG2409		Not Met	Not Taken			
PENG3205	Thermodynamics for Petroleum Engineers	2	PHYS2303		Not Met	Not Taken			
PENG3206	Statistical Applications for Petroleum Engineers	2	MATH1311	PENG2409	Not Met	Not Taken			
PENG3207	Fluid Mechanics	2	PHYS2303		Not Met	Not Taken			
PENG3308	Processes in Petroleum Production	3	PENG2409		Not Met	Not Taken			
PENG3409	Formation Evaluation	4	PENG2409		Not Met	Not Taken			
MATH3324	Advanced Engineering Mathematics	3	MATH2323		Not Met	Not Taken			
PENG3311	Drilling Systems II	3	PENG2310		Not Met	Not Taken			
PENG3288	Internship for Petroleum Engineers	2				Not Taken	Ready To Take		
PENG4390	Capstone Project-I	3	PENG3308	PENG3311	Not Met	Not Taken			
PENG4202	Drilling Engineering	2	PENG2310		Not Met	Not Taken			
PENG4304	Reservoir Simulation	3	PENG3304		Not Met	Not Taken			
PENG4205	Well Testing and Analysis	2	PENG3304	PENG3308	Not Met	Not Taken			

PENG4206	Petroleum Production systems	2	PENG3308	Not Met	Not Taken	
PENG4307	Enhanced Oil Recovery	3	PENG3304	Not Met	Not Taken	
PENG4309	Integrated Reservoir Modelling	3	PENG4304	Not Met	Not Taken	
PENG4391	Capstone Project-II	3	PENG4390	Not Met	Not Taken	
PENG4211	Artificial Lift	2	PENG3308	Not Met	Not Taken	

Option 1: PENG Electives (12 credits)									Not Yet Met
Course Code	Course	Credits	Pre-Requisite 1	Pre-Requisite 2	Pre-Requisite Met	Status	Take Next	Credits Earned	Internal Transfer
PENG4312	Natural Gas Engineering	3	CHEM2205		Not Met	Not Taken			
PENG4313	Reservoir Geophysics	3	PENG3409		Not Met	Not Taken			
PENG4314	Production Logging	3	PENG3409		Not Met	Not Taken			
PENG4315	Shale Gas Reservoirs	3				Not Taken	Ready To Take		
PENG4316	Reservoir Rocks Mechanics	3	PENG2310		Not Met	Not Taken			
PENG4317	Petroleum Economics and legislation	3	MGMT1314		Not Met	Not Taken			
PENG4318	High Temperature high Pressure Reservoirs	3	PENG3308	PENG2310	Not Met	Not Taken			
PENG4319	Advanced Well Test	3	PENG4205		Not Met	Not Taken			
PENG4320	Unconventional Energy Resources	3				Not Taken	Ready To Take		
PENG4321	Surface Production Facilities	3	PENG3308		Not Met	Not Taken			
PENG4322	Offshore Drilling and Production Systems	3	PENG3308	PENG2310	Not Met	Not Taken			
PENG4323	Well Stimulation	3	PENG3308		Not Met	Not Taken			
PENG4324	Advanced Simulation	3	PENG4304		Not Met	Not Taken			
PENG4325	Reservoir Management	3	PENG4309		Not Met	Not Taken			
PENG4326	Petroleum Transportation and Storage	3	PENG3308		Not Met	Not Taken			
PENG4327	Gas Condensate Reservoir Engineering	3	PENG3304		Not Met	Not Taken			
PENG4328	Artificial Intelligence Applications in Reservoir Characterization	3	PENG3206		Not Met	Not Taken			
PENG4329	Corrosion in oil and gas industry	3	CHEM2205		Not Met	Not Taken			
PENG4330	Horizontal Well Technology	3	PENG3311		Not Met	Not Taken			