

**2019-20 PETROLEUM ENGINEERING**

Minimum credit hrs required - 134

	Social Science ..(3)	Humanities Lit courses > 300 Art History Music Philosophy History Foreign Lang some T.C.	Social Science WGS Economics PS Psych Cult. Anth.	Humanities ..(3)	Social Science ..(3)	Humanities ..(3)	Social Science or Humanities Elective ..(3)	
ENGL 111 (3) College English	ENGL 112 (3) College English prerequisite: Engl 111			ENGL 341 (3) Technical Writing prerequisite: Engl 111, 112 & junior standing			SSH Fine and Creative Arts ..(3)	Name:  Date:
MATH 131 (4) Calc I prerequisite: Math 103, 104 or ACT math >29 or...	MATH 132 (4) Calc II prerequisite: Math 131	MATH 231 (4) Calc III prerequisite: Math 132	MATH 335 (3) Applied Analysis I prerequisite: Math 132	PET 311 & L (4) Drilling Engr I prerequisite: ES 216, Coreq: ES 302	PET 413 (3) Well Design corequisite: Pet 311	PET 424 (3) Production Engr I prerequisite: Pet 345, ES 216	PET 425 (3) Well Completions prerequisite: Pet 345 co-requisite: Pet 413	
CHEM 121 (3) General Chem. I prerequisite: Math 103  corequisite: Chem 121L		CHEM 122 (3) General Chem. II prerequisite: Chem 121 & lab corequisite: Chem 122L, Math 131	PET 245+Lab (4) Petroleum Fluids prerequisite: Chem 122, Math 132 co-requisite: PET 111	PET 345 (3) Reservoir Engr I Prerequisite: ES 216 co-requisite: PET 245	PET 445 (3) Reservoir Engr II prerequisite: Pet 345	PET 424Lab (1) Production Engr Lab corequisite: Pet 424	PET 425Lab (1) Well Completions Lab prerequisite: Pet 413 co-requisite: Pet 425	
CHEM 121 Lab (1) General Chem Lab I corequisite: Chem 121		CHEM 122 Lab (1) General Chem Lab II corequisite: Chem 122	ES 216 (3) Fluid Mechanics prereq: Phys 121, coreq: Math 231	PET 345L (1) Reservoir Engr I Lab corequisite: Pet 345		PET 470 (3) Applied Res Simulation prerequisite: Pet 445		Legend T - transfer  Sem/Yr - completed  - In Progress  D - drop  AP - adv placement  ( ) credit hrs
	PHYS 121 (4) General Physics I corequisite: Phys 121L, Math 131	PHYS 122 (4) General Physics II prerequisite: Phys 121 corequisite: Phys 122L, Math 132	ES 347 (3) Thermodynamics prerequisite: Chem 122, Math 132, Phys 121		PET 370 (3) Formation Evaluation prerequisite: Phys 122, PE 345 & L,	PET 471 (3) Reservoir Description prerequisite: PET 370, 445, Erth 460 corequisite: Pet 424	PET 472 (3) Reservoir Management prerequisite: PET 471, ES 316 corequisite: Pet 425	
PET 101 (1) Intro to Pet Eng	PHYS 121 Lab (1) General Physics Lab I corequisite: Phys 121	PHYS 122 Lab (1) General Physics Lab II corequisite: Phys 122			PET 450 (3) Well Testing prerequisite: PE 345, Math 335			
	PET 111L (1) Comp. appl. for pet engs  corequisite: Math 104	ES 201 (3) Statics prerequisite: Phy 121 corequisite: Math 231	ES 302 (3) Mechanics of Materials prerequisite: ES 201, Math 231	ES 303 (3) Dynamics prerequisite: ES 201, Math 231		ES 316 (3) Engr. Economics prerequisite: Math 132		
ERTH 101 & 103L ..(4) Earth Processes			ERTH 203 (3) Earth's Crust: Mats, Processes & Dynamics,  Prerequisite: a 100-level ERTH course and EARTH 101or 103 Lab		ERTH 460 (3) Subsurface & Petroleum Geology Prerequisite: EARTH 203		Technical Elective ..(3)	
16 hrs	16 hrs	16 hrs	19 hrs	17 hrs	18 hrs	16 hrs	16 hrs	