

2019-2020 PETROLEUM ENGINEERING CURRICULUM WORKSHEET

NAIT PET TECH DIPLOMA TRANSFER STUDENTS

Revision Date: 5/14/19

Student: _____

Advisor: _____

Date: _____

Year/Semester	Course Number	Course Title	# Credits	SEMESTERS											
				NAIT Transfer	1st F19	2nd S20	3rd F20	4th S21	5th F21	6th	7th	8th	9th		
FRESHMAN FALL SEMESTER (17 credits)	CHMY 141	College Chemistry	3												
	CHMY 142	College Chemistry Lab I	1												
	EGEN 101	Intro. To Eng. Calcs & Prob Solv	3												
	² EGEN 194	² Freshman Engineering Seminar	1												
	M 171	Calculus I	3												
	WRIT 121 or 101	Intro Tech Writ (preferred) or College Writ I	3												
	³ Hum Elec		3												
FRESHMAN SPRING SEMESTER (19 credits)	CHMY 143	College Chemistry II	3												
	GEO 101	Intro to Physical Geology Lect/Lab	3												
	M172	Calculus II	3												
	PET 201	Elements of Petroleum Engineering	3												
	PET 205	Pet Eng Lab I Reservoir	1												
	PHSX 234	Gen Physics I	3												
	³ Soc Elec		3												
SOPHOMORE FALL SEMESTER (18 credits)	PET 225	Presentation and Professionalism	1												
	EGEN 201	Statics	3												
	GEO 257	Sedimentology	3												
	M 273	Multivariable Calculus	4												
	PET 304	Rock Properties	3												
	PHSX 235	Gnl Physics- Heat,Sound&Optics	3												
	PHSX 236	General Physics Lab- Heat,Sound&Optics	1												
SOPHOMORE SPRING SEMESTER (18 credits)	ECNS 203	Principles of Macro & Micro Econ	3												
	EGEN 335	Fluid Mechanics	3												
	¹ GEOE 357	¹ Subscf Meth in Pet Geol	3												
	M 274	Intro to Diff Equations	3												
	PET 372	Pet Fluids & Thermo	3												
	PHSX 237	General Physics- Magnetism&Wave Motion	3												
JUNIOR FALL SEMESTER (17 credits)	EGEN 305	Mech of Materials	3												
	EGEN 306	Mech of Materials Lab	1												
	PET 301	Well Drilling	3												
	PET 303	Drilling Fluid Lab	1												
	¹ PET 404	¹ Reservoir Eng	3												
	STAT 332 or M 333	Statistics for Sci & Engr OR Linear Algebra	3												
	WRIT 321	Advanced Tech Writing	3												
JUNIOR SPRING SEMESTER (16 credits)	EGEN 325	Engineering Economic Analysis	3												
	PET 302	Pet Production Engr	3												
	PET 305	Completions	3												
	PET 307	Petroleum Production Lab I	1												
	PET 348	Well Logging	3												
	¹ PET 410	¹ Reservoir Simulation	3												
SENIOR FALL SEMESTER (16 credits)	EGEN 324	Thermodynamics I	3												
	¹ PET 426	¹ Reservoir Characterization	3												
	PET 453	Petroleum Production Lab II	1												
	⁴ PET Elec		3												
	⁵ Tech Elec		3												
	³ Hum Elec		3												
SENIOR SPRING SEMESTER (15 credits)	¹ PET 446	¹ Petroleum Project Evaluation	3												
	¹ PET 402	¹ Artificial Lift	3												
	¹ PET 499W	¹ Senior Engineering Design	3												
	^{1&4} PET Elec		3												
	⁵ Tech Elec		3												
			136	50	19	19	16	16	16						
MINOR															
NON-MAJOR															
TOTAL CREDITS															
			Date												
			Advisor												

¹ CORE COURSES - These courses must be completed at MT Tech.

² Transfer Students ONLY: 1-credit Engineering OR Science elective (100-level or higher) OR Technical Elective to replace EGEN 194. (Must submit Course Substitution form.)

³ Humanities & Social Science acceptable electives listed in catalog

⁴ Petroleum Engineering Elective: 400- or 500-level

⁵ Technical Elective: 300-, 400- or 500-level Engineering, Business, Math, Statistics or Computer Science