## 2019-2020 PETROLEUM ENGINEERING CURRICULUM WORKSHEET

NAIT PE	T TECH DIPL	OMA TRANSFER STUDENTS	Student:										
		Revision Date: 5/14/19	Advisor: Date:										
			L		S E M E S T E R S								
			#	NAIT	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
Year/Semester	Course Number	Course Title	_	Transfer	F19	S20	F20	S21	F21				
	CHMY 141	College Chemistry	3										
FRESHMAN	CHMY 142	College Chemistry Lab I	1										
FALL	EGEN 101	Intro. To Eng. Calcs & Prob Solv	3										
SEMESTER	<sup>2</sup> EGEN 194	<sup>2</sup> Freshman Engineering Seminar	1										
(17 credits)	M 171	Calculus I Intro Tech Writ (preferred) or College Writ I	3										
	WRIT 121 or 101	intro recir writ (preferred) of college writ i	3										
	<sup>3</sup> Hum Elec CHMY 143	College Chemistry II	3										
FRESHMAN	GEO 101	Intro to Physical Geology Lect/Lab	3										
SPRING	M172	Calculus II	3										
SEMESTER	PET 201	Elements of Petroleum Engineering	3								-		
(19 credits)	PET 205	Pet Eng Lab I Reservoir	1										
	PHSX 234	Gen Physics I	3										
	<sup>3</sup> Soc Elec		3										
	PET 225	Presentation and Professionalism	1										
SOPHOMORE	EGEN 201	Statics	3					1					
FALL	GEO 257	Sedimentology	3				1		1			1	
SEMESTER	M 273	Multivariable Calculus	4					1	1				
(18 credits)	PET 304	Rock Properties	3										
	PHSX 235	Gnl Physics- Heat, Sound & Optics	3										
	PHSX 236	General Physics Lab- Heat, Sound & Optics	1										
	ECNS 203	Principles of Macro & Micro Econ	3										
SOPHOMORE	EGEN 335	Fluid Mechanics	3										
SPRING	<sup>1</sup> GEOE 357	<sup>1</sup> Subsfc Meth in Pet Geol	3										
SEMESTER	M 274	Intro to Diff Equations	3										
(18 credits)	PET 372	Pet Fluids & Thermo	3										
	PHSX 237	General Physics- Magnetism&Wave Motion	3										
	EGEN 305	Mech of Materials	3										
JUNIOR	EGEN 306	Mech of Materials Lab	1										
FALL	PET 301	Well Drilling	3										
SEMESTER (17 credits)	PET 303	Drilling Fluid Lab	1										
	<sup>1</sup> PET 404	<sup>1</sup> Reservoir Eng	3										
	STAT 332 or M 333	Statistics for Sci & Engr OR Linear Algebra	3										
	WRIT 321 EGEN 325	Advanced Tech Writing Engineering Economic Analysis	3										
JUNIOR	PET 302	Pet Production Engr	3										
SPRING	PET 305	Completions	3										
SEMESTER	PET 307	Petroleum Production Lab I	1										
(16 credits)	PET 348	Well Logging	3								-		
	<sup>1</sup> PFT 410	<sup>1</sup> Reservoir Simulation	3										
	EGEN 324	Thermodynamics I	3										
SENIOR	<sup>1</sup> PET 426	<sup>1</sup> Reservoir Characterization	3										
FALL	PET 453	Petroleum Production Lab II	1										
SEMESTER	<sup>4</sup> PET Elec		3										
(16 credits)	<sup>5</sup> Tech Elec		3										
	<sup>3</sup> Hum Elec		3										
SENIOR	<sup>1</sup> PET 446	<sup>1</sup> Petroleum Project Evaluation	3										
SPRING	<sup>1</sup> PET 402	<sup>1</sup> Artificial Lift	3										
SEMESTER	<sup>1</sup> PET 499W	<sup>1</sup> Senior Engineering Design	3										
(15 credits)	<sup>1 &amp; 4</sup> PET Elec		3										
	<sup>5</sup> Tech Elec		3										
			136	50	19	19	16	16	16				
			<u> </u>										
MINOR			<b> </b>										
NON-MAJOR			+					<u> </u>					<u> </u>
		TOTAL CREDIT:											
		TOTAL CREDIT	Date										
			Advisor							[			

<sup>1</sup> CORE COURSES - These courses must be completed at MT Tech.

<sup>2</sup> 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.)

<sup>3</sup> Humanities & Social Science acceptable electives listed in catalog

<sup>4</sup> Petroleum Engineering Elective: 400- or 500-level

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