

**Bachelor of Science in Petroleum Engineering - Fall 2020**

<b>Year 1</b>		<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>C&amp;PE 117</b>	<b>Energy in the Modern World</b>	<b>1</b>	<b>C&amp;PE 127</b>	<b>Intro. to the PetE Professn.</b>	<b>1</b>
CHEM 130	Chem 1	5	CHEM 135	Chem II	5
ENGL 101	Composition	3	ENGL 102	Composition & Lit	3
MATH 125	Calculus I	4	MATH 126	Calculus II	4
KU CORE	GE3S, AE4.1, AE4.2	3	GEOL 101	Intro. to Geology	3
			GEOL 103	GEOL Lab	2
	Hours this semester: 16			Hours this semester: 18	

<b>Year 2</b>		<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>C&amp;PE 217</b>	<b>Intro. to Petro Drilling ENGR</b>	<b>2</b>	<b>C&amp;PE 325</b>	<b>Numerical Methods</b>	<b>3</b>
<b>C&amp;PE 219</b>	<b>Drilling Fluids Lab</b>	<b>1</b>	<b>C&amp;PE 327</b>	<b>Res. Engineering I</b>	<b>4</b>
<b>C&amp;PE 211</b>	<b>Material &amp; Energy Balances</b>	<b>4</b>	<b>C&amp;PE 221</b>	<b>Thermodynamics</b>	<b>3</b>
MATH 220	Diff Eq	3	MATH 127	Calculus III	4
MATH 290	Linear Algebra	2	PHSX 212	General Physics II	3
PHSX 210	General Physics I for Engineers	3	PHSX 236	Physics II lab	1
PHSX 216	Physics I lab	1			
	Hours this semester: 16			Hours this semester: 18	

<b>Year 3</b>		<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>C&amp;PE 511</b>	<b>Momentum Transfer</b>	<b>3</b>	<b>C&amp;PE 522</b>	<b>Econ</b>	<b>2</b>
<b>C&amp;PE 527</b>	<b>Res. Engineering II</b>	<b>4</b>	<b>C&amp;PE 618</b>	<b>Secondary Recovery</b>	<b>4</b>
<b>C&amp;PE 528</b>	<b>Well Logging</b>	<b>3</b>	<b>C&amp;PE 619</b>	<b>Pet. Engr</b>	<b>3</b>
ME 211	Static & Mechanics	3	GEOL 332	Sedimentology For Pet Engg.	4
ENGL 203	Writing for Engineers (3H)	3	ENGR Elect	Basic Science or ENGR Elect	3
	Hours this semester: 16			Hours this semester: 16	

<b>Year 4</b>		<b>Fall Semester</b>		<b>Spring Semester</b>	
<b>C&amp;PE 627</b>	<b>Petroleum Production</b>	<b>3</b>	<b>C&amp;PE 617</b>	<b>Drilling &amp; Well Completion</b>	<b>3</b>
<b>C&amp;PE 625</b>	<b>Unconventionals</b>	<b>3</b>	<b>C&amp;PE 628</b>	<b>Petroleum ENGR Design</b>	<b>3</b>
GEOL 535	Pet. and Subsurface GEOL	4	<b>C&amp;PE 624</b>	<b>Process Safety &amp; Sustainability</b>	<b>3</b>
KU CORE	Goal 2.2	3	Elect	ENGR Elective	2
KU CORE	GE3S, AE4.1, AE4.2	3	KU CORE	GE3S, AE4.1, AE4.2	3
	Hours this semester: 16			Hours this semester: 14	

Total hours in program 130

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Below is a checklist of courses required for completion of the BS degree in Petroleum Engineering. A total of 130 hours is required for the degree including completion of the KU CORE requirements.

<input type="checkbox"/>	C&PE	117	Intro. to the Profession	1	<input type="checkbox"/>	GEOL	101	Advanced Science Elective	3
<input type="checkbox"/>	C&PE	127	Intro. to the Profession	1	<input type="checkbox"/>	GEOL	103	Advanced Science Elective	2
<input type="checkbox"/>	C&PE	217	Intro. to Petro Drilling Engr	2	<input type="checkbox"/>	GEOL	535	Pet. and Subsurface GEOL	4
<input type="checkbox"/>	C&PE	219	Drilling Fluids Lab	1	<input type="checkbox"/>	GEOL	332	dimentology for Petroleum Engine	4
<input type="checkbox"/>	C&PE	211	Material and Energy Balances	4					
<input type="checkbox"/>	C&PE	221	Thermodynamics	3					
<input type="checkbox"/>	C&PE	325	Numerical Methods	3					
<input type="checkbox"/>	C&PE	327	Res. Engineering I	4	<input type="checkbox"/>	ME	211	Static & Mechanics	3
<input type="checkbox"/>	C&PE	511	Momentum Transfer	3	<input type="checkbox"/>	ELECT	ELECT	Basic Science or ENGR Elect.	3
<input type="checkbox"/>	C&PE	522	Econ	2	<input type="checkbox"/>	ENGR	ELECT	Engineering Elective	2
<input type="checkbox"/>	C&PE	527	Res. Engineering II	4					
<input type="checkbox"/>	C&PE	528	Well Logging	3					
<input type="checkbox"/>	C&PE	618	Secondary Recovery	4					
<input type="checkbox"/>	C&PE	619	Pet. Engineering	3	<input type="checkbox"/>	ENGL	101	Composition	3
<input type="checkbox"/>	C&PE	624	Process Safety & Sustainability	3	<input type="checkbox"/>	ENGL	102	Composition & Lit	3
<input type="checkbox"/>	C&PE	627	Petroleum Production	3	<input type="checkbox"/>	ENGL	203	Writing for Engineers (3H)	3
<input type="checkbox"/>	C&PE	625	Unconventionals	3					
<input type="checkbox"/>	C&PE	617	Drilling & Well Completion	3	<input type="checkbox"/>	KU	CORE	Social Science G3S	3
<input type="checkbox"/>	C&PE	628	Petroleum ENGR Design	3	<input type="checkbox"/>	KU	CORE	AE 4.1	3
					<input type="checkbox"/>	KU	CORE	AE 4.2	3
					<input type="checkbox"/>	KU	CORE	Goal 2.2	3
<input type="checkbox"/>	MATH	125	Calculus I	4					
<input type="checkbox"/>	MATH	126	Calculus II	4					
<input type="checkbox"/>	MATH	127	Calculus III	4					
<input type="checkbox"/>	MATH	220	Differential Equations	3	<input type="checkbox"/>	PHSX	210	Physics for Engineers	3
<input type="checkbox"/>	MATH	290	Linear Algebra	2	<input type="checkbox"/>	PHSX	216	Physics I lab	1
					<input type="checkbox"/>	PHSX	212	General Physics II	3
<input type="checkbox"/>	CHEM	130	Chem I	5	<input type="checkbox"/>	PHSX	236	Physics II lab	1
<input type="checkbox"/>	CHEM	135	Chem II	5					

- Students that transfer into the program do not go back and take C&PE 117 and C&PE 127. They need to make up the hours with MSEHS (math, science, engineering, humanities, or social science).
- Students with credit for ENGL 101 do not need to make up the hours with another course.
- Students who fulfill Goal 4.2 by international status or an experience need to make up the 3 hours with 3 hours of MSEHS (math, science, engineering, humanities, or social science).
- HSES and other activity courses do not count for hours towards graduation.
- Students will satisfy KU CORE Goal 1.1, 1.2, 2.1, 3H, 3N, 5.1 and 6 with completion of the math, science, communication, English, and engineering courses required for the degree. Students must select approved courses to satisfy the Goal 2.2, 3S, 4.1, and 4.2 requirements. Students will not graduate without meeting the requirements for the KU CORE.
- C&PE courses are only offered 1 time a year in the semester in which they are shown. Failure to take the Math, Science, English, and C&PE courses in the order shown may delay graduation by at least 1 yr.
- Students must complete and earn a cumulative 2.0 GPA in C&PE 211, C&PE 221, C&PE 325, and C&PE 327 to progress to C&PE 511, C&PE 527, C&PE 528, C&PE 618, C&PE 619, or junior year C&PE courses. The cumulative GPA is calculated using the highest grade in each course.
- Students must complete and earn a cumulative 2.0 GPA in C&PE 511, C&PE 522, C&PE 527, C&PE 528, C&PE 618 to progress on to the senior year courses C&PE 624, C&PE 627, C&PE 625, C&PE 617 and C&PE 628. The cumulative GPA is calculated using the highest grade in each course.