

# Program Change Request

Date Submitted: 11/16/18 12:06 pm

Viewing: **BS-PETE : Petroleum Engineering - BS**

Last approved: 03/27/18 6:14 pm

Last edit: 11/16/18 12:06 pm

Changes proposed by: jrw092007

Catalog Pages Using  
this Program

[Petroleum Engineering - BS](#)

## Contact(s)

Name	E-mail	Phone
Jake Williams	jake.williams@tamu.edu	979-845-4292

Academic level Undergraduate

Effective Term 2019-2020

Department Petroleum Engineering

College Engineering

Program type Degree

Degree designation BS - Bachelor of Science

With a major in Petroleum Engineering (PETE)

Associated Program **Not Applicable**

Catalog Program Title  
Petroleum Engineering - BS

CIP and Fund code 14250100

## Rationale for Proposal

**ENGR 482 and PHIL 482 are cross-listed courses. ENGR 482 is being phased out, so we are replacing the KLPC area reference to ENGR 482 with PHIL 482. The College of Engineering and College of Science have changed some of the courses that we use in our curriculum. This isn't a change in our curriculum, just a housekeeping effort. response to that.**

**We are also updating the ICD area to be in compliance with the new cultural discourse requirements. We are also adding a course to our acceptable KCOM courses. Our existing communications options often reach capacity and some of our students are unable to register for one in a given term. This communications credit is a prerequisite for our PETE 335 and is the beginning course in a 5 semester sequence. Adding another course to the options will benefit students and the content of this course fits well in preparing our students for technical presentations.**

Program hours 128

Is this program eligible for financial aid? Yes

Will program hours change (increase/decrease) due to the proposed curriculum changes? No

Program delivery mode  
On-campus

## In Workflow

1. PETE Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

## Approval Path

1. 10/18/18 9:05 am  
Kathy Beladi (k-beladi):  
Approved for PETE  
Department Head
2. 10/19/18 3:01 pm  
Angel Mario Carrizales  
(carri1214): Approved  
for Curricular Services  
Review
3. 10/22/18 5:31 pm  
Eileen Hoy (ehoy):  
Approved for EN  
Committee Preparer UG
4. 10/22/18 9:02 pm  
Prasad Enjeti (enjeti):  
Approved for EN  
Committee Chair UG
5. 10/23/18 10:08 am  
Prasad Enjeti (enjeti):  
Approved for EN  
College Dean UG
6. 11/06/18 9:17 am  
Sandra Williams  
(sandra-williams):  
Approved for UCC  
Preparer
7. 11/14/18 2:27 pm  
Sandra Williams  
(sandra-williams):  
Rollback to Initiator
8. 11/16/18 1:08 pm  
Kathy Beladi (k-beladi):  
Approved for PETE  
Department Head
9. 11/18/18 11:54 am  
Angel Mario Carrizales  
(carri1214): Approved  
for Curricular Services  
Review

## Catalog Program Requirements

10. 11/19/18 8:44 am  
Eileen Hoy (ehoy):  
Approved for EN  
Committee Preparer UG
11. 11/19/18 11:30 pm  
Prasad Enjeti (enjeti):  
Approved for EN  
Committee Chair UG
12. 11/20/18 10:15 am  
Prasad Enjeti (enjeti):  
Approved for EN  
College Dean UG
13. 11/20/18 11:58 am  
Sandra Williams  
(sandra-williams):  
Approved for UCC  
Preparer
14. 12/10/18 10:42 am  
Terra Bissett (t.bissett):  
Approved for UCC Chair

### History

1. Mar 27, 2018 by Jake  
Williams (jrw092007)

### Plan of Study Grid

#### Second Year

##### Fall

	Semester Credit Hours
<a href="#">ENGR 217/PHYS 217</a> Experimental Physics and Engineering Lab III - Electricity and Magnetism	12
<a href="#">GEOL 104</a> Physical Geology 1	4
<a href="#">MATH 251</a> Engineering Mathematics III 1	3
<a href="#">MEEN 221</a> Statics and Particle Dynamics	3
<a href="#">PHYS 207</a> Electricity and Magnetism for Engineering and Science 1	3
Semester Credit Hours	15

##### Spring

<a href="#">CVEN 305</a> Mechanics of Materials	3
<a href="#">MATH 308</a> Differential Equations	3
<a href="#">MEEN 315</a> Principles of Thermodynamics	3
<a href="#">PETE 311</a> Reservoir Petrophysics	4
<a href="#">PETE 225</a> Introduction to Drilling Systems 1	3
Semester Credit Hours	16

#### Third Year

##### Fall

<a href="#">GEOL 404</a> Geology of Petroleum	3
<a href="#">PETE 301</a> Petroleum Engineering Numerical Methods	3
<a href="#">PETE 310</a> Reservoir Fluids	4
<a href="#">PETE 314</a> Transport Processes in Petroleum Production	3
<a href="#">PETE 335</a> Technical Presentations I	1
<a href="#">PETE 353</a> Petroleum Project Evaluation	3
Semester Credit Hours	17

##### Spring

<a href="#">PETE 321</a> Formation Evaluation	4
<a href="#">PETE 323</a> Fundamentals of Reservoir Engineering	3
<a href="#">PETE 324</a> Well Testing	3
<a href="#">PETE 325</a> Petroleum Production Systems	3
<a href="#">PETE 337</a> Junior Student Paper Contest	0
<a href="#">PETE 355</a> Drilling Engineering	3
Semester Credit Hours	16

#### Fourth Year

##### Fall

<a href="#">PETE 300</a> Summer Practice	0
<a href="#">PETE 401</a> Reservoir Simulation	2
<a href="#">PETE 404</a> Integrated Reservoir Modeling	3
<a href="#">PETE 410</a> Production Engineering	3

<a href="#">PETE 435</a>	Technical Presentations II	1
<a href="#">University Core Curriculum 3</a>		6
	Semester Credit Hours	15
Spring		
<del>ENGR 482/PHIL 482 Ethics and Engineering</del>		<del>3</del>
<a href="#">PETE 402</a>	Integrated Asset Development	3
<a href="#">PETE 437</a>	Senior Student Paper Contest	0
<a href="#">PHIL 482/ENGR 482 Ethics and Engineering</a>		3
Technical elective 6		6
<a href="#">University Core Curriculum 3</a>		6
	Semester Credit Hours	18
	Total Semester Credit Hours	97

<sup>6</sup> See the [Department of Petroleum Engineering](#) website for a list of approved courses.

## Total Program Hours 128

Additional information	<del>PETE needs students to complete their KCOM elective before junior year because of prerequisites. Keeping it in Sophomore year would result in too many hours due to PHYS 207 being added. In order to keep with the common first year, footnote 5 was added to include the KCOM elective and not show 21 hours of UCC.</del>
Required Proposal	<a href="#">BS-PETE Curriculum Updates.pdf</a>
Forms	<a href="#">012218PresidentApprovalMemo.pdf</a> <a href="#">BS-PETE PHIL 482.pdf</a>
Reviewer Comments	<b>Angel Mario Carrizales (carri1214) (10/19/18 2:59 pm):</b> Curricular Services: The International and Cultural Diversity Area of the degree evaluation will be replaced with a new International and Cultural Diversity and Cultural Discourses Area. <b>Sandra Williams (sandra-williams) (11/14/18 2:27 pm):</b> Rollback: As requested. <b>Terra Bissett (t.bissett) (12/10/18 10:41 am):</b> UCC approved December 2018.

Key: 554

## Detail Requirements

Jake R. Williams  
Nov 15, 2018 02:51 pmViewing: [Degree Evaluation](#) (DEGEVAL, , Email)  
[Change Student](#)Information for [Degree Evaluation](#)

This is NOT an official evaluation.

[Print Instructions](#)**Program Evaluation**

**Limitation** Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.  
**Limitation** Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

**Limitation** No more than 50% of courses required for the degree plan can be taken as Distance Education Courses for non-distance degree programs. Non-Course requirement INTR and UGRP ended effective 201631- carri214

**Limitation** Only one of the following will satisfy the requirements for a degree: GENE 301, GENE 302, GENE 315, and GENE 320.

**Limitation** Only one of the following will satisfy the requirements for a degree: MATH 131, MATH 142, MATH 147, MATH 151, and MATH 171.

**Limitation** Only one of the following will satisfy the requirements for a degree: MATH 140, MATH 141, and MATH 166.

**Limitation** Only one of the following will satisfy the requirements for a degree: MATH 148, MATH 152, and MATH 172.

**Limitation** Only one of the following will satisfy the requirements for a degree: MATH 221, MATH 251, and MATH 253.

**Limitation** Only one of the following will satisfy the requirements for a degree: MATH 304, MATH 309, MATH 311, and MATH 323.

**Limitation** Only one of the following will satisfy the requirements for a degree: STAT 301, STAT 302, and STAT 303.

<b>Program :</b>	BS PETE	<b>Catalog Term :</b>	Fall 2018 - College Station
<b>Campus :</b>	College Station	<b>Evaluation Term :</b>	Spring 2019 - College Station
<b>College :</b>	Engineering	<b>Expected Graduation Date :</b>	
<b>Degree :</b>	Bachelor of Science	<b>Request Number :</b>	8
<b>Level :</b>	Undergraduate	<b>Results as of :</b>	Nov 15, 2018
<b>Majors :</b>	Petroleum Engineering	<b>Minors :</b>	
<b>Departments :</b>	Petroleum Engineering	<b>Concentrations :</b>	

	Met	Credits		Courses	
		Required	Used	Required	Used
<b>Total Required :</b>	No	128.000	0.000		0
<b>Program GPA :</b>	Yes	.00	.00		
<b>Overall GPA :</b>	No	2.00	.00		
<b>Other Course Information</b>					
<b>Transfer :</b>			0.000		0

This is NOT an official evaluation.

**Area : Major Coursework ( 56.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	PETE 225	3 hrs											
					<b>Must make a grade of 'C' or better.</b>										
No	AND	B.	PETE 300	0hrs											
No	AND	C.	PETE 301	3hrs											
No	AND	D.	PETE 310	4hrs											
No	AND	E.	PETE 311	4hrs											
No	AND	F.	PETE 314	3hrs											
No	AND	G.	PETE 321	4hrs											
No	AND	H.	PETE 323	3hrs											
No	AND	I.	PETE 324	3hrs											
No	AND	J.	PETE 325	3hrs											
No	AND	K.	PETE 335	1hr											
No	AND	L.	PETE 337	0hrs											
No	AND	M.	PETE 353	3hrs											
No	AND	N.	PETE 355	3hrs											
No	AND	O.	PETE 401	2hrs											
No	AND	P.	PETE 402	3hrs											
No	AND	Q.	PETE 404	3hrs											

No	AND	R.	PETE 410 3hrs
No	AND	S.	PETE 435 1hr
No	AND	T.	PETE 437 0hrs
No	AND	U.	GEOL 104 4hrs Must make a grade of 'C' or better.
No	AND	V.	GEOL 404 3hrs

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area : Supporting Coursework ( 27.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Technical Electives 6hrs Choose from AERO 404; BAEN 460, 465; CHEN 430, 455, 459, 461; CVEN 301, 339, 402, 406, 413, 423; ECEN 215, 314, 322, 420, 444, 447; ENGR 333, 410, 430; ESSM 305; FINC 351, 361, 427; GEOL 306, 312, 410; GEOP 421; GEOS 470; ISEN 320, 370; MATH 304, 311, 400-499; MEEN 368; MSEN 300-499; PETE 400-499 ( excluding courses required elsewhere).													
No	AND	B.	ENGR 102 2hrs Must have a grade of 'C' or better.													
No	AND	C.	ENGR 216 2hrs Must have a grade of 'C' or better.													
No	AND	D.	ENGR 217 2hrs Must have a grade of 'C' or better.													
No	AND	E.	MEEN 221 3hrs													
No	AND	F.	MEEN 315 3hrs													
No	AND	G.	CVEN 305 3hrs													
No	AND	H.	MATH 251 3hrs													
No	AND	I.	MATH 308 3hrs													

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area : Communication ( 6.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	ENGL 103 or ENGL 104 3hrs Must make a grade of 'C' or better.													
No	AND	B.	Communication Elective Select from COMM 203, 205, 243; ENGL 210.													

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area : Mathematics ( 8.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	MATH 151 Must make a grade of 'C' or better.													
No	AND	B.	MATH 152 Must make a grade of 'C' or better.													

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area : Life and Physical Sciences ( 10.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
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No	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	CHEM 107 and 117 4hrs										
		Must make a grade of 'C' or better.										
No	AND	B.										
		PHYS 206 3hrs										
		Must have a grade of 'C' or better.										
No	AND	C.										
		PHYS 207 3hrs										
		Must have a grade of 'C' or better.										
										Total Credits and GPA	0.000	.00

unofficial evaluation

Area : Language, Philosophy & Culture ( 3.000 credits ) - Not Met

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	ENGR 482 3hrs										
		PHIL 482 3hrs										
										Total Credits and GPA	0.000	.00

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Area : Creative Arts ( 3.000 credits ) - Not Met

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	Creative Arts Requirement 3hrs										
		Select three hours from any course with the Creative Arts attribute [KCRA].										
										Total Credits and GPA	0.000	.00

unofficial evaluation

Area : Social and Behavioral Sciences ( 3.000 credits ) - Not Met

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	Social Science Rqmt 3hrs										
		Select from courses with the Social and Behavioral Science attribute [KSOC].										
										Total Credits and GPA	0.000	.00

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Area : Citizenship ( 12.000 credits ) - Not Met

Description : Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	American History Rqmt 6hrs										
		Select from any course with the [KHIS] attribute.										
No	AND	B.										
		Political Science Rqmt 6hrs										
		Take POLS 206 and POLS 207.										
										Total Credits and GPA	0.000	.00

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Area : Work Not Applied - Met

Description : See advisor for acceptable substitutions.

Met	Condition Rule	Subject Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No	A.	Courses not applied										
										Total Credits and GPA	0.000	.00

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**Area : University Writing Requirement - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.			Writing Requirement											
<p>Two courses required. Only sections of ENGR 482; PETE 435 with the Writing attribute (UWRT) or Communication attribute (UCRT) may be used to satisfy this requirement.</p>													Total Credits and GPA	0.000	.00

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**Area : Int'l & Cult Diversity - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.			Int'l & Cultural Diversity 6hr											
<p>Select from courses with the International and Cultural Diversity attribute (UICD) (except sections of BUSN 289 with the UWRT attribute).</p>													Total Credits and GPA	0.000	.00

*Change to reflect new ICD/CD requirements*  
 3 hrs ICD  
 3 hrs CD

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**Area : Foreign Language - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.			Foreign Language Rqmt											
<p>Complete one of the following:                      1. Two years of the same foreign language in High School.                      2. A two semester sequence of the same foreign language for University credit.</p>													Total Credits and GPA	0.000	.00

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**Area : Residence Requirement - Not Met**

**Description :** A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.			Residence-Major 12hrs											
<p>Select from PETE 300-499; GEOL 312, 404; GEOP 421.</p>															
No	AND	B.		Residence 300-499 24hrs											
<p>Select any courses level 300-499.</p>													Total Credits and GPA	0.000	.00

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**Area : GPR-Major - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.			Major GPR 52+hrs											
<p>Select from PETE 100-499; GEOL 104, 312, 404; GEOP 421. Must maintain a GPR of 2.000 in all courses taken.</p>													Total Credits and GPA	0.000	.00

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