

2012-13

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)

Name:

ENGL 111 (3)
English

ENGL 112 (3)
College English
prerequisite: Engl 111

ENGL 341 (3)
Technical Writing
prerequisite: Engl 111, 112
& junior standing

Social Science
or Humanities
Elective
..(3)

Date:

MATH 131 (4)
Calc I
prerequisite: Math 103, 104 or
105 >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 & L (3)
Well Design
prerequisite: Pet 311

PET 424 (3)
Production Engr I
prerequisite: Pet 345

PET 425 (3)
Well Completions
prerequisite: Pet 413

CHEM 121 (3)
General Chem. I
prerequisite: Math 103
Chem 121L

CHEM 122 (3)
General Chem. II
prerequisite: Chem 121 &
lab
corequisite: Chem 122L,
Math 131

PET 245 (3)
Petroleum Fluids
prerequisite: Chem 122,
Math 132, ES 111

PET 345 (3)
Reservoir Engr I
prerequisite: Pet 245

PET 445 (3)
Reservoir Engr II
prerequisite: Pet 345

PET 424Lab (1)
Production Engr Lab
prerequisite: ES 111, 216,
Pet 424

CHEM 122 Lab (1)
General Chem Lab I
prerequisite: Chem 121

CHEM 122 Lab (1)
General Chem Lab II
corequisite: Chem 122

ES 216 (3)
Fluid Mechanics
prereq: ES 201, coreq:
Math 231

PET 345L (1)
Reservoir Engr I Lab
corequisite: Pet 345

PET 441 (3)
Natural Gas Res Engr
prerequisite: Pet 345

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,
ES 111, Math 132
corequisite: Phy 122, Math
231, ES 216

PET 370 (3)
Formation Evaluation
prerequisite: Phys 122, PE
345 & L,
Erth 206

PET 471 (2)
Reservoir Description
prerequisite: PET 370,
445, Erth 460
corequisite: Pet 424

PET 472 (2)
Reservoir Management
prerequisite: PET 471, ES
316
corequisite: Pet 425

PHYS 121 Lab (1)
General Physics Lab I
prerequisite: Phys 121

PHYS 121 Lab (1)
General Physics Lab II
corequisite: Phys 121

PHYS 122 Lab (1)
General Physics Lab II
corequisite: Phys 122

PET 450 (2)
Well Testing
prerequisite: PE 345

PET 111+L (3)
Comp. appl. for pet engrs
corequisite: Math 104

ES 201 (3)
Statics
prerequisite: Phy 121
corequisite: Math 231

ES 302 (3)
Mechanics of Materials
prerequisite: ES 111, 201,
Math 231

ES 303 (3)
Dynamics
prerequisite: ES 111, 201,
Math 335

ES 316 (3)
Engr. Economics
prerequisite: ES 111

ES 332 (3)
Electrical Engr
prerequisite: Phys 122,
Math 335

ERTH 101 & 103L
..(4)
Earth Processes

EES Elective (3)
Erth 203, 325, 440
or other 200-level or
higher with approval of
advisor

ERTH 460 (3)
Subsurface & Petroleum
Geology
Prerequisite: ERTH 206

Technical
Elective
..(3)

16 hrs

18 hrs

16 hrs

18 hrs

17 hrs

17 hrs

15 hrs

17 hrs