



# PETROLEUM ECONOMICS AND MANAGEMENT

APPLIED GRADUATE STUDIES



Find more about the PEM Program : <http://www.ifp-school.com/Petroleum-Economics-and-Management/38/114/117>

# PETROLEUM ECONOMICS AND MANAGEMENT

## WELCOME TO IFP SCHOOL

The Petroleum Economics and Management (PEM) program information booklet aims to answer the many questions you may have concerning the application procedures for IFP School and life in France. It also covers a range of other details aimed at reducing the stress of entering a new course of study and a country.

## ABOUT THE COURSE

### What does the program offer to its participants?

The International Collaborative Program in *Petroleum Economics and Management* is designed for students or professionals with degrees in science, engineering or social science (Business School, law...), seeking in-depth training to develop a commanding skill set in energy techniques, energy economics and management. During the program the participant is exposed to the multicultural nature of the industry with a multinational classroom and semesters spent in the partner university.

The PEM program is organized in collaboration with the following Partner Universities (PU):

- Audencia School of Management - (France)
- BI Norwegian School of Management (Norway)
- CEPMLP – University of Dundee (Scotland)
- China Univ. of Petroleum at Beijing (China)
- Colorado School of Mines (USA)
- ESCP Europe (France)
- ESSEC (France)
- Gubkin University (Russia)
- Oklahoma University (USA)
- Texas A&M (USA)
- University of Alberta (Canada)
- University of Sao Paulo (Brazil)

For some of the partner universities (PU) dual degrees are possible.

This may require dual applications

- Colorado School of Mines (CSM) (Msc in Mineral & Energy Economics)
- Gubkin University (Master in Oil & Gas Economics & Management)
- Oklahoma University (OU) (MBA in Managerial Economics)
- Texas A&M (TAMU) (Master of Petroleum Engineering)

## COURSE OBJECTIVES

On completion of the Petroleum Economics and Management Program, students are expected to:

- Be able to take up a position requiring multidisciplinary skills in the energy sector,
- Gain an understanding of the upstream and downstream energy sectors in their economic, commercial, financial and environmental dimensions (key economic data and

characteristics, management tools, etc.) and technical dimensions for the students who choose the curriculum with technical courses (reservoir engineering, refining processes, etc.),

- Be internationally minded and capable of teamwork in an international context,
- Be capable of using the main management and decision-making tools for making and justifying operational decisions.

## WHO SHOULD APPLY TO THE COURSE?

The PEM course takes participants, recent graduates (Bsc / Msc level) and professionals, all with strong quantitative and qualitative skills and a desire to enter the challenging energy industry.

## QUICK FACTS

**Language of instruction:** English

**# of Class participants:** 25 – 35

**Program length:** 11 – 22 months  
(*Dependent on participants' background and PU*)

**Program Start date :** 3<sup>rd</sup> week of August or January.

## FEES & FINANCING

**Application Fee:** €0  
**Registration Fee (IFP School):** €0  
**Cost of living:** €1 200-1 500 / month  
**Insurance:** EU insurance required  
**Tuition Fees**

➤ Recent Graduates from universities & no professional experience, applying individually €0

➤ Professionals €30 000\*  
*\*(accommodation and travel expenses not included)*

➤ Entrants from partner universities See PU website

**It should be noted that in the PU, additional fees may be applicable.**

**Few scholarships are available at IFP School (1/program in average); therefore the IFP School ask the applicant to apply directly to companies, governments or other organizations for financial assistance before starting the program.**

**There are no scholarships for professionals sponsored by their company.**

## Text Books

- IFP School: textbooks provided (100 € refundable)
- In the partner University: textbooks may be required (75 – 100 €/book)

# PETROLEUM ECONOMICS AND MANAGEMENT

## APPLICATION PROCEDURES

Accepted from: November 15<sup>th</sup>  
Deadline: March 31<sup>st</sup>  
Admission Board: Mid May  
Apply directly to:  
<http://application.ifp-school.com>

**IFP School will transmit the application file to the Partner University (PU) except for TAMU, in which you need to get a parallel admission.**

You should apply on the earliest possible date to ensure interviews with staff members (in Paris or by telephone) can be organized. For queries concerning your application documents please email [contact-ifpschool@ifpen.fr](mailto:contact-ifpschool@ifpen.fr)

## Application Success rate

IFP School selects around 25 students every year, with rest selected from our partner universities.

## ADMISSION REQUIREMENTS:

**English Proficiency:** For the PEM program, a high level of English is required and Proficiency scores should be less than 2 years old.

GRE - see [www.gre.org](http://www.gre.org), GMAT - see [www.gmat.org](http://www.gmat.org), TOEFL - see [www.toefl.org](http://www.toefl.org), IELTS - see [www.ielts.org](http://www.ielts.org)

**Code number of IFP School: ETS 7084**

**What results do I need? (Minimum score)**

**CSM & TAMU: TOEFL:** 80 IBT, 213 computer based, 550 Paper Based or 6.5 for the IELTS **and GRE:** Verbal 510 (old test) 154 (new test) = 64%, Quantitative 701 (old test) 156 (new test) = 71%, Writing 4.18 (or (Only for CSM) GMAT: Verbal 31 (59%), Quantitative 44 (72%), Writing 4.31 (47%) Total 635

**OU: GMAT:** 710 and **TOEFL:** 80 IBT

**Simple Degree Partner and Gubkin University:** TOEFL: 80 IBT

## PROGRAM STRUCTURE

**Double Degree Program (IFP School + Partner Degree):**

A first Fall Term (from end of August year n to end of December year n) at CSM, Gubkin, OU or TAMU

\_ A Spring Term at IFP School (from January year n+1 to end of April year n+1)

\_ A Summer Term at IFP School (from April year n+1 to end of July year n+1)

\_ A second Fall Term (from end of August year n+1 to end of December year n+1) at CSM, Gubkin, OU or TAMU.

CSM, TAMU, OU, Gubkin



IFP School  
Partner University

## Simple Degree Program (IFP School Degree)

A first Fall Term (from end of August year n to end of December year n) in the PU (Single degree PU, see graph below)

\_ A Spring Term at IFP School (from January year n+1 to end of April year n+1)

\_ A Summer Term at IFP School (from April year n+1 to end of July year n+1)

\_ A 4 months internship from September to December.

It's also possible to start with the internship and to spend one term in the partner university after the IFP School terms. In both cases, the student gets only the IFP School degree.

Audencia, BI Oslo, CUP Beijing, ESCP, ESSEC, U. Alberta, U. Dundee, U. Sao Paulo



## APPLICANT TYPES

### Recent Graduates (1):

If the course participant is undertaking a double degree then the participant will return to the PU to complete a second Fall term. (Total duration: 16 months; Credits: 80 ECTS)

**Degree(s) awarded:** PU's Degree & Master degree in Petroleum Economics (DNM) or Diplome d'Ingénieur (DI – Engineering degree).

### Recent Graduates (2):

If the course participant is a recent graduate from a French **engineering school** with which an agreement exists, with only 4 years of higher education (BAC +4) and **one year spent in a company during the studies (année de césure)**, then the participant will return to the partner university to complete a second Fall term and for the completion of the program he must undertake a work placement for 6 months. (Total duration: 22 months; Credits: 100 ECTS)

**Degree(s) awarded:** PU's Degree & Diplome d'Ingénieur (DI – Engineering degree)

### Recent Graduates (3):

If the course participant is undertaking the IFP School degree only and is a recent graduate with 4 or 5 years of higher education, the 2<sup>nd</sup> fall term must consist of an internship within a company or direct entry into a full time employment. On the completion of the work placement, a concise report must be written on the time spent in the company. (Total duration: 16 months, Credits: 80 ECTS)

**Degree(s) awarded:** Master degree in Petroleum Economics (DNM) or Diplome d'Ingénieur.

# PETROLEUM ECONOMICS AND MANAGEMENT

## PEM COURSES IN FRANCE

### Credits:

At least **24 US Credits – 40 ECTS** are required during the Spring and Summer Terms. A list of the courses is given in table below.

The 4 months work placement gains **20 ECTS** credits and a term in a Partner University gains **20 ECTS** credits.

### What opportunities can the PEM Program offer the applicant?

IFP school graduates have a high job placement rate; in particular PEM graduates receive offers in three sectors:

- Oil & gas companies
- Energy & service companies
- Consulting, banking and international organizations (such as the UN, IEA).

The participants take with them a thorough understanding of the energy industry, and the dynamics of its technological, political, economical and environmental challenges.

Many graduates have been hired by BP, ExxonMobil, Gazprom, Lukoil, Shell, Total, Schlumberger, Statoil, Government Organisations (e.g. Finance, Energy ministries, etc ) to name just a few.

## PEM Courses (2015/2016)

<b>Business and Management</b>
PEM 1: Business Accounting PEM 2: Strategic Marketing & Management
<b>Energy</b>
PEM 3: Term Paper PEM 4: Global Energy Outlook PEM 5: Upstream Management PEM 6: Evaluation of Projects PEM 7: Downstream Management PEM 7A: Midstream & Refining PEM 7B: Gas & Power Business PEM 7C: CO <sub>2</sub> Economics & Sustainable Energies PEM 8: Energy Markets & Trading PEM 9: Production & Reservoir Engineering PEM 10: Refining
<b>Quantitative tools applied to Energy</b>
PEM 11: Efficiency Analysis PEM 12: Decision Sciences PEM 13: Advanced Econometrics

## FOR FURTHER INFORMATION ON THE PARTNER UNIVERSITIES

- **Audencia School of Management (France)**  
Website: <http://www.audencia.com/>
- **BI Norwegian School of Management (Norway)**  
Website: <http://www.bi.no/en/>
- **CEPMLP – University of Dundee (Scotland)**  
Website: <http://www.dundee.ac.uk/cepmlp/>
- **China University of Petroleum at Beijing (China)**  
Website: <http://www.cup.edu.cn/internationaloffice/en/>
- **Colorado School of Mines (USA)**  
Website: <http://econbus.mines.edu/>
- **ESCP Europe (France)**  
Website: <http://www.escpeurope.eu/>
- **ESSEC (France)**  
Website: <http://www.essec.edu/>
- **Gubkin University (Russia)**  
Website:  
[http://en.gubkin.ru/academics/degrees\\_and\\_programs/master/joint\\_master/](http://en.gubkin.ru/academics/degrees_and_programs/master/joint_master/)
- **Oklahoma University (USA)**  
Websites: <http://www.ou.edu/>  
[http://www.ou.edu/price/mba/mba\\_fulltime/academics/OU\\_MBA\\_Collaboration\\_Program.html](http://www.ou.edu/price/mba/mba_fulltime/academics/OU_MBA_Collaboration_Program.html)
- **Texas A&M (USA)**  
Websites: <http://admissions.tamu.edu/>  
<http://www.tamu.edu/international/>
- **University of Alberta (Canada)**  
Website: <http://www.ualberta.ca/>
- **University of Sao Paulo (Brazil)**  
Website: <http://www5.usp.br/english/>