

**Harold Vance Department of Petroleum Engineering (Texas A&M)
Master of Engineering (M.Eng.) Degree Requirements
IFP (Business)/Texas A&M Joint Degree Program**

This is a joint degree program offered by the Institut Francais du Pétrole (IFP) and Texas A&M University. As this is a unique degree program, the course requirements are specified for each semester (or session). Admission to this degree program requires that the student be admitted (independently) by both IFP and Texas A&M University. Please note that an application must be submitted to each institution, and that admission decisions are made separately. Most importantly, admission to one institution does not guarantee admission to the other institution.

COURSE REQUIREMENTS HOURS

Semester 1 (Fall): Texas A&M University 12 min

- TAMU-PETE 620 Fluid Flow in Petroleum Reservoirs
- TAMU-PETE Elective* See PETE options list
- TAMU-BUS Elective..... See BUS options list
- TAMU-BUS Elective..... See BUS options list

* PETE 661, 662, 663, 664, and 665 is required for students without a bachelor's degree in Petroleum Engineering.

Sessions 2 and 3 (Spring/Summer): IFP (Paris)

- IFP-Reservoir Engineering..... (TAMU transfer)
- IFP-Upstream Economics (TAMU transfer)
- IFP-Downstream Economics..... (TAMU transfer)
- IFP- Refining (TAMU transfer)..... 12 max (transfer)
- IFP-Capital Budgeting
- IFP-Financial Management
- IFP-Petroleum Economic Geography
- IFP-Linear Programming
- IFP-Corporate Management
- IFP-Econometrics
- IFP-Multivariate Data Analysis
- IFP-Strategic Management

Semester 4 (Fall): Texas A&M University 12 min

- TAMU-PETE 603 Advance Reservoir Engineering I (Reservoir Simulation)
- TAMU-PETE Elective..... See PETE options list
- TAMU-BUS Elective..... See BUS options list
- TAMU-BUS Elective..... See BUS options list

Seminar

PETE 681 (Seminar).....No Credit
 ● On-campus (College Station) students are required to take seminar each that it is offered.

Total hours required for Master of Engineering degree (IFP-B option) 36 min

NOTES

1. The Memorandum of Agreement (MOA) between IFP and Texas A&M University permits a maximum of 12 hours of transfer courses from IFP, where these courses are specified in the IFP sequence given above. An official transcript from IFP is required prior to returning for the second fall semester, and this document must be sent directly from IFP to the International Admissions office at Texas A&M University.
2. The Memorandum of Agreement (MOA) between IFP and Texas A&M University requires that the Texas A&M degree be the first degree awarded.
3. All M.Eng. students in Petroleum Engineering at Texas A&M University are required to:
 - a. Prepare a summary report on a technical topic that has been approved by the student's advisory committee. This report is typically the topic of the student's final examination.
 - b. Successfully complete a final examination that usually consists of a technical presentation made to the student's advisory committee.
4. These degree requirements are a supplement to the *Texas A&M University Graduate Catalog*.

**Harold Vance Department of Petroleum Engineering (Texas A&M)
Master of Engineering (M.Eng.) Degree Requirements
IFP (Business)/Texas A&M Joint Degree Program—Continued**

FALL SEMESTER COURSE OPTIONS (Petroleum Engineering/Texas A&M University)

- TAMU-PETE 606 EOR Methods--Thermal
- TAMU-PETE 608 Well Logging Methods
- TAMU-PETE 609 Enhanced Oil Recovery Processes
- TAMU-PETE 617 Petroleum Reservoir Management
- TAMU-PETE 618 Modern Petroleum Production
- TAMU-PETE 621 Petroleum Development Strategy
- TAMU-PETE 622 Exploration and Production Evaluation
- TAMU-PETE 623 Waterflooding
- TAMU-PETE 630 Geostatistics
- TAMU-PETE 631 Petroleum Reservoir Description
- TAMU-PETE 632 Data Integration for Petroleum Reservoirs
- TAMU-PETE 661 Drilling Engineering
- TAMU-PETE 662 Production Engineering
- TAMU-PETE 663 Formation Evaluation and the Analysis of Reservoir Performance
- TAMU-PETE 664 Petroleum Project Evaluation and Management
- TAMU-PETE 665 Petroleum Reservoir Engineering
- TAMU-PETE 666 Conservation Theory and Applications in Petroleum Engineering
- TAMU-PETE 685 Problems (3 hrs maximum)

These are courses that are typically offered in the Fall semester. Students will be permitted to take other PETE courses (if available), as well as PETE 689 (Special Topics in...).

COURSE OPTIONS (Graduate School of Business/Texas A&M University)

- TAMU-MGMT 655 Survey of Management
- TAMU-MKTG 621 Survey of Marketing
- TAMU-FINC 645/IBUS 645 International Finance
- TAMU-MKTG 677/IBUS 677 Multinational Marketing Management
- TAMU-MGMT 679/IBUS 678 ... International Business Policy
- TAMU-MGMT 610 Business and Public Study
- TAMU-ECON 629 Microeconomic Theory I
- TAMU-ECON 636 Macroeconomic Theory I
- TAMU-BUS 6XX Optional courses in Business*

* Optional courses may be taken in the Lowry Mays College and Graduate School of Business. Optional courses must be approved in advance by the Graduate Advisor in the Department of Petroleum Engineering (Texas A&M University) and the Program Advisor in the IFP Business Program.