PETROLEUM ENGINEERING M.S.

Admission Requirements

Complete the following admission requirements:

- Submit GRE scores.
- Complete a B.S. degree in engineering or the natural sciences.

Program Requirements

< Back to Department (http://catalog.uaf.edu/academic-departments/petroleum-engineering/)

Minimum Requirements for Petroleum Engineering M.S.: 30-36 credits

Code	Title	Credits
General University Requirements		
Complete the graduate general university requirements. (http://catalog.uaf.edu/masters/#gurmastersdegreestext)		
Master's Degree Requirements		
Complete the master's degree requirements. (http://catalog.uaf.edu/masters/#typesofmastersdegrees)		
Petroleum Engineering Program Requirements		
Complete four of the following:		12
PETE F607	Advanced Production Engineering	
PETE F608	Flow Assurance in the Petroleum Industry	
PETE F610	Advanced Reservoir Engineering	
PETE F621	Applied Reservoir Characterization	
PETE F630	Waterflooding	
PETE F656	Advanced Petroleum Economic Analysis	
PETE F661	Applied Well Testing	
PETE F662	Enhanced Oil Recovery	
PETE F663	Applied Reservoir Simulation	
PETE F665	Advanced Phase Behavior	
PETE F666	Drilling Optimization	
PETE F670	Fluid Flow Through Porous Media	
PETE F680	Horizontal Well Technology	
PETE F683	Natural Gas Processing and Engineering	
PETE F685	Non-Newtonian Fluid Mechanics	
PETE F689	Multiphase Fluid Flow in Pipes	
Options		
Complete one of the following:		18-24
Thesis Option (18 credits)		
Non-thesis Option (24 credits)		
Total Credits		**30-36**

Options

THESIS OPTION

Code	Title	Credits
Complete the following:		
PETE F699	Thesis	6
Elective courses [1]		12
Total Credits		**18**

[1] Electives are chosen with the approval of the graduate advisory committee.

NON-THESIS OPTION

Code	Title	Credits
Complete the following:		
PETE F698	Non-thesis Research/Project	6
Elective courses [1]		18
Total Credits		**24**

[1] Electives are chosen with the approval of the graduate advisory committee.