Course Requirement

The total credit requirement to complete this Master of Applied Science degree program is 30 credit hours of technical courses and will be taken from the following three groups:

**Group A** – ENGI910A – OGE Project Course (zero credit hours)
ENGI910B – continuation of OGE project course (six credit hours)

Students would be required to complete a team project, which should be taken over the last two terms of the program.

**Group B** – Five core courses (three credit hours each)

1. ENGI 9110 Advanced Petroleum Production Engineering
2. ENGI 9113 Phase Behaviour of Petroleum Reservoir Fluids
3. ENGI 9114 Advanced Reservoir Engineering
4. ENGI 9118 Advanced Drilling Engineering
5. ENGI 9121 Advanced Safety, Risk and Reliability Modeling

**Group C** – Three courses from the following list (three credit hours each)

1. ENGI 9002 Ocean Engineering Structures
2. ENGI 9015 Ocean Engineering Hydrodynamics
3. ENGI 9111 Well Testing
4. ENGI 9112 Multiphase Flow
5. ENGI 9116 Reliability Engineering
6. ENGI 9119 Compact Process Equipment Design
7. ENGI 9120 Advanced Natural Gas Engineering
8. ENGI 9117 Offshore Petroleum Geology and Technology
9. ENGI 9420 Engineering Analysis
10. ENGI 9609 Environmental Risk Assessment
11. ENGI 9624 Air Pollution
12. ENGI 9625 Offshore Environmental Operations
13. ENGI 9901 Fundamentals of Fluid Dynamics
14. ENGI 9902 Advanced Transport Phenomena
15. ENGI 9989 Special Topics – Corrosion Principles, Prevention and Control