

STATEMENT OF PURPOSE FOR MSC IN APPLIED AND COMPUTATIONAL  
MATHEMATICS

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I write to express my interest to pursue a master's degree in applied and computational mathematics at the University of Bergen for the year commencing 2022. I have a background in engineering and work experience that applies engineering and mathematics principles to solve problems. I desire to be a member of a learning community with renowned professors, state-of-the-art facilities, and outstanding students from around the globe. hence my choice of Institution.

My undergraduate thesis titled "Modelling porosity using regression approach" presented an analytical method. This involved modelling parameters from different oil fields in the Niger delta of West Africa to predict porosity of the underlying rocks. This does resonate with the objective of this program; enabling students to solve practical problems within different areas by using mathematical modelling, analysis and numerical calculation.

I intend to specialise in Reservoir mathematics and as a result, I am currently undergoing skill development in Python programming for research purposes. In the long term, I will pursue a PhD degree to further improve my research skills and deepen my knowledge in this field.

During the program, I will be actively involved in professional activities such as conferences and student competitions that would promote the program externally. While I was pursuing my Bachelors degree, I served as the vice chair of the university's Society of Petroleum Engineers and supported my chapter to claim top positions at the National PetroBowl student contest. I look to bring the same energy into this program.