

Department: Physics and Geosciences
Program: MS in Petrophysics

Skill Set	Professional Application	Delivery of Skill Set Courses, extracurricular activities, etc. in which the skill set is introduced (I), reinforced (R), or mastered (M)
Core Skill: Communication Skills	Efficient/effective use of geophysical techniques to locate and image the subsurface reservoirs	PHYS 5382 Exploration Geophysics (R) PHYS 5385 Seismology (R)
Core Skill: Critical Thinking	Efficient/effective problem solving; use of well logging and petrophysical techniques for reservoir characterization	PHYS 5388 Borehole Geophysics (I) NGEN 5363 Advanced Reservoir Engineering (R)
Core Skill: Empirical & Quantitative Skills	Efficient/effective use of rock physics and well logging techniques to study physical and chemical properties of reservoirs.	NGEN 5303 Advanced Petrophysics (R) NGEN 5387 Quantitative Well Log Analysis (R)
Core Skill: Teamwork	Integrate various geophysical methods used for subsurface analysis and petroleum property evaluation.	GEOL 5310 Advanced Topics in Geology (R)