

Pre-Mechanical Engineering Program Example Study Plan

First Year at NSU

Fall	
Course	Credit
MATH 123, Calculus I	4
CHEM 112/L, General Chemistry I	4
ENGL 101, Composition I	3
ECON 201, Principles of Microeconomics	3
SGR Goal #4 Elective (Arts and Humanities)	3
TOTAL CREDITS	17

Spring	
Course	Credit
MATH 125, Calculus II	4
CHEM 114/L, General Chemistry II	4
ENGL 201, Composition II	3
SGR Goal #3 Elective (Social Sciences)	3
SGR Goal #4 Elective (Arts and Humanities)	3
TOTAL CREDITS	17

Second Year at NSU

Fall	
Course	Credit
MATH 225, Calculus III	4
MATH 321, Differential Equations	3
PHYS 211/L, University Physics I	4
EM 214, Statics	3
SPCM 101, Fundamentals of Speech	3
TOTAL CREDITS	17

Spring	
Course	Credit
MATH 331, Advanced Engineering Math	3
MATH 381, Probability and Statistics	3
EM 215, Dynamics	3
EM 321, Mechanics of Materials	3
PHYS 213/L, University Physics II	4
TOTAL CREDITS	16

Upon successful completion of the required pre-requisite coursework specified above, SDSU will offer guarantee of admission to their Mechanical Engineering Program and accept up to 70 credits from NSU students. Students must successfully complete these courses with a “C” or higher at NSU prior to transferring to SDSU for this agreement to apply. Students must meet all South Dakota Board of Regents policies and university graduation requirements in order to receive a degree.