

Pre-Agricultural and Biosystems 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
BIOL 101/L, Survey of Biology	3
SGR Goal #4 Elective (Arts and Humanities)	3
TOTAL CREDITS	17

Spring	
Course	Credit
MATH 125, Calculus II	4
CHEM 108/L, Organic and Biochemistry	5
ENGL 201, Composition II	3
CSC 150, Computer Science I – offered online	3
SGR Goal #3 Elective (Social Sciences)	3
TOTAL CREDITS	18

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
EM 215, Dynamics	3
EM 321, Mechanics of Materials	3
PHYS 213/L, University Physics II	4
SGR Goal #4 Elective (Arts and Humanities)	3
TOTAL CREDITS	16

**Indicates students can also choose MATH 281, Introduction to Statistics or MATH 381 – Probability and Statistics in place of this course*

Upon successful completion of the required pre-requisite coursework specified above, SDSU will offer guarantee of admission to their Agricultural and Biosystems 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.