

Mechanical Engineering – A.E.S. to B.S. at Northern Illinois University (NIU)

Earn college credit while in high school by taking advantage of dual credit and/or Advanced Placement (AP) options.

FIRST YEAR			
✓ First Semester			Hours
ENG 103*	Composition I		3
EGR 101	Introduction to Engineering		1
MAT 229*	Calculus and Analytic Geometry		5
CHE 210*	General Chemistry I		5
Semester Total			14

✓ Second Semester			
			Hours
ENG 104* or COM 100	Composition II or Oral Communication		3
PHY 263*	Physics for Science and Engineering I		5
MAT 230*	Calculus and Analytic Geometry II		5
IAI HUMANITIES	U.S. History or Western Civilization History		3
CIS 150	C++ Programming		3
Semester Total			19

NIU Requirements: All courses with an asterisk* require a grade of “C” or better.

To meet degree completion at NIU at least 74 additional credit hours will need to be completed.

SECOND YEAR			
✓ First Semester			Hours
MAT 231*	Calculus and Analytic Geometry III		5
PHY 273*	Physics for Science and Engineering II		5
EGR 270*	Statics		3
IAI SOCIAL SCIENCE	Select from General Education link below		3
Semester Total			16

✓ Second Semester			
			Hours
ECO 260 or 261	Principles of Macroeconomics or Microeconomics		3
EGR 272	Dynamics		3
EGR 280	Mechanics of Materials		3
MAT 260	Differential Equations		3
IAI FINE ARTS	Select from General Education link below		3
Semester Total			15

Link to General Education (IAI) course options:

<http://www.kish.edu/AESdegree>

This is only a guide. Please contact transfer institution for current information and consult with the Kishwaukee College Academic Advising Office. Please refer to college website and/or catalog for any changes to curriculum for your program of study.