



## 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 & Analytic Geometry	5
	PHY 263*	Physics for Science and Engineering I	5
Semester Total			14

SECOND YEAR			
✓ First Semester			Hours
	MAT 231*	Calculus and Analytic Geometry III	5
	CHE 210*	General Chemistry I	5
	EGR 270*	Statics	3
	IAI SOCIAL SCIENCE	Select from General Education link below	3
Semester Total			16

✓ Second Semester			
			Hours
	ENG 104* or COM 100	Composition II or Oral Communication	3
	PHY 273*	Physics for Science and Engineering II	5
	MAT 230*	Calculus and Analytic Geometry II	5
	IAI HUMANITIES	U.S. History or Western Civilization Theory	3
	CIS 150	C++ Programming	3
Semester Total			19

✓ Second Semester			
			Hours
	ECO 260 or 261	Principles of Macroeconomics or Microeconomics	3
	EGR 272	Dynamics	3
	EGR 280	Mechanics of Materials	3
	EGR 290/291	Circuit Analysis & Lab	4
	MAT 260	Differential Equations	3
	IAI FINE ARTS	Select from General Education link below	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.

**Link to General Education (IAI) course options:**  
[kish.edu/AESdegree](http://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.*