Engineering Science: Sample Transfer Plan

This sample transfer planning guide meets the requirements of the Associate in Engineering Science degree and follows the Illinois Articulation Initiative engineering baccalaureate major recommendations. Students should have a strong background in mathematics and the physical sciences. Students choosing to follow this sample plan need to choose the major of Associate in Engineering Science if needing financial aid. Transfer institution requirements may vary - students should check individual college/university requirements before completing the sample plan as outlined. Baccalaureate admission may be competitive. Completion of these courses alone does not guarantee admission.

Completion of the Associate in Engineering Science (AES) degree does not fulfill the requirements of the Illinois General Education Core Curriculum. After transfer, AES students will need to complete the general education requirements of the institution to which they transfer.

FIRST SEMESTER:

Number	Course Title	Credits
CHM 121	General Chemistry I	5
EGR 100	Introduction to Engineering	1
ENG 101	Composition	3
MTH 200	Calculus I	5
	Social and Behavioral Science (ECO 211 is recommended.)[1]	3

SECOND SEMESTER:

Number	Course Title	Credits
CSC 121	Computer Science I	4
ENG 102	Composition	3
MTH 201	Calculus II	5
PHY 201	General Physics I: Mechanics	5

THIRD SEMESTER:

Number	Course Title	Credits
	Engineering. EGR 110 is recommended for Computer Science, Engineering Physics, Materials Science, Electrical and Computer. EGR 210 is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Nuclear, Engineering Mechanics, General and Industrial.	3-4
	Humanities and Fine Arts[2]	3
MTH 202	Calculus III	5
PHY 202	General Physics II Electricity and Magnetism	5

FOURTH SEMESTER:

Number	Course Title	Credits
	Engineering. PHY 203 is recommended.	5
	Engineering. EGR 211 is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial. EGR 212 is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial. EGR 212 is recommended for Aerospace, Agricultural and Biological, Civil, Energy Management, Mechanical, Nuclear, Engineering Mechanics, General and Industrial. EGR 240 is recommended for Chemical, Civil, Materials, Computer, Electrical, Engineering Physics, and Mechanical. EGR 265 is recommended for Biological, Industrial and Materials.	6
MTH 212	Differential Equations	3

1 One course from Humanities and Fine Arts or from Social and Behavioral Sciences must meet the World Cultures and Diversity graduation requirement for the Associate in Engineering Science degree.

2 Select at least one course from Humanities and one from Fine Arts. Interdisciplinary courses may count in either category. Refer to the Associate in Science degree for approved courses in this category. One course from Humanities and Fine Arts or from Social and Behavioral Sciences must meet the World Cultures and Diversity graduation requirement for the Associate in Engineering Science degree.