

Engineering

THE PROGRAM

The Engineering program at Kishwaukee College prepares students interested in pursuing a degree in any field of engineering or other science/technology-based programs at a four-year college or university. The Engineering program was designed in accordance with the Illinois Articulation Initiative guidelines to ensure transferability to any public university in the State of Illinois. The program consists of the core course sequences in engineering, chemistry, physics, mathematics, and computer information science traditionally required in the first two years in most bachelor's engineering programs.

Check with the four-year college or university to which you plan to transfer to for specific course transferability and school requirements.

For a listing of the complete A.E.S. degree requirements, see the Mathematics, Science and Manufacturing Division Office or the Kishwaukee College catalog. The recommended courses listed should be reviewed with a faculty advisor/counselor to determine applicability toward Kishwaukee College degree requirements as well as bachelor's degree requirements of the four-year institution to which the student will transfer. All graduation and degree requirements for the Kishwaukee College A.E.S. degree must be satisfied.

The following courses are recommended for an emphasis in Pre-Engineering.

Engineering Core Courses			
EGR 101	Introduction to Engineering		(1)
EGR 250	Thermodynamics		(3)
EGR 270	Statics		(3)
EGR 272	Dynamics		(3)
EGR 280	Mechanics of Material		(3)
EGR 290	Circuit Analysis		(3)
EGR 291	Circuit Analysis Lab		(1)
Additional courses may be required for certain specialization areas. Check with the transfer institution for specific program requirements.			
Science			
CHE 210	General Chemistry I		(5)
CHE 211	General Chemistry II		(5)
CIS 150	C++ Programming I		(3)
PHY 263	Fundamentals of Physics I AND		(4)
PHY 273	Fundamentals of Physics II		(4)
PHY 283	Fundamentals of Physics III		(3)
Not all courses may be required for all specialization areas. Check with the transfer institution for specific program requirements.			

Mathematics			
MAT 229	Calculus and Analytic Geometry I		(5)
MAT 230	Calculus and Analytic Geometry II		(5)
MAT 231	Calculus and Analytic Geometry II		(5)
MAT 260	Differential Equations		(3)
Other general education or major courses specific to the transfer institution.			

Additional Sources of Information:

DEPARTMENT

Alan Edgecombe, Assistant Professor
 815-825-9312
aedgecombe@kish.edu

STUDENT SERVICES

Advising
 815-825-9375