

TYPICAL SCHEDULE FOR TRANSFER STUDENTS
B.S. IN CIVIL ENGINEERING -- ENVIRONMENTAL ENGINEERING CONCENTRATION

The following courses should be completed in the freshman and sophomore years by students who transfer to KU's Civil Engineering program from a community college. (Note: there is a 64-hour limit on transfer credits from a community college.) Also shown is a typical schedule of courses in the junior and senior years for transfer students. These schedules may also be used by students who transfer from a four-year college or university that does not offer an accredited program in civil engineering.

SUGGESTED FRESHMAN AND SOPHOMORE COURSES

	Cr. Hr.
Calculus and Analytic Geometry	10
Differential Equations and Elementary Linear Algebra	5
College Physics (<u>Must</u> be Calculus-based Physics)	8
College Chemistry (<u>Must</u> be equivalent to KU's CHEM 150)	5
Basic Science Elective	3
Statics and Dynamics	5
Computer programming: Visual Basic (recommended), C++, or Fortran	3
English	6
Economics	3
Speech (Speaker-Audience Communication)	3
Humanities & Social Sciences	9
Civil Engineering Graphics (AutoCAD)*	3
Sub-Total First Two Years	63

Fall Semester

Spring Semester

JUNIOR YEAR

	Cr.Hr.		Cr.Hr.
MATH 526 Applied Mathematical Stat.	3	CE 412/484 Structural/transp. materials	3
CE 240 Surveying	3	CE 455 Hydrology	3
CE 310 Strength of Materials	4	CE 461 Structural Analysis	4
CE 330 Fluid Mechanics	4	CE 477 Intro Environmental Engr. & Sci.	3
Basic engineering science elective	3	CE 487 Soil Mechanics	4
	17		17

SENIOR YEAR

	Cr.Hr.		Cr.Hr.
CE 562/563 Structural design elective	3	CE 574/755/757 Envir. design elective	3
CE 552 Water Resources Eng. Design	4	CE 576 Municipal Water/Wastewater	4
CE 570&571/573 Envir. principles electiv.	3	CMGT 500/CE 582/588 CE design elective	3
Basic engineering science elective	3	CMGT 357 Engineering Economics	3
General elective	4	General electives	5
	17		18

TOTAL HOURS REQUIRED FOR DEGREE¹ = 132

* Students who complete an AutoCAD course at another college will need to complete the ArcGIS portion of CE 192 (one credit-hour) at KU by special arrangement with the instructor.

¹ **The Fundamentals of Engineering (F.E.) Exam is also a requirement of this degree program.**