

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University at Carbondale
 Course Substitution List

Kaskaskia College 2007-08
College Name/Catalog Date

SIUC 2007-08					Kaskaskia College 2007-08	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	GEDR 103
--T	ECE 222 or CS 202	ENGR 222 or CS 202	ENGR 222B		C++ Programming ¹	MATH 210 ¹
					JAVA Programming ²	CITP 210
--	CS 220	--T	--	--	Prog. with Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	PCSI 203
CE 251	--	--	ME 261	CE 251	Dynamics	PCSI 204
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235 ³	ECE 235 ³	ENGR 335	--	Elec. Circuits	PHYS 210
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 111
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 112
--	--	--	--	GEOL 220	Physical Geology	PSCI 103
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 166
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 267
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 268
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 269
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 236
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHYS 201
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYS 202
PHYS 205C + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	--	--	Univ. Physics III	PHYS 205

¹ C++ Programming is Recommended for Mechanical Engineering Majors.

² Computer and Electrical Engineering Majors may take either C++ or JAVA Programming.

³ One Hour of Laboratory Will Be Required at SIUC.

⁴ Third Science Course may be either Chemistry I or Physics III for Electrical and Computer Engineering Majors.

-- Not Required

--T Not Required But Will Count as Technical Elective

COLLEGE OF ENGINEERING
ENGINEERING TECHNOLOGY
 Southern Illinois University at Carbondale
 Course Substitution List

Kaskaskia College 2007-08
 College Name/Catalog Date

SIUC 2007-08		Kaskaskia College 2007-08
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	MATH 210
ET 238	Digital Electronics	ELTR 272
ET 245A	Elec. Systems	ELTR 145
--T	Statics	PSCI 203
--T	Dynamics	PSCI 204
ET 304A	Electrical Circuits	PHYS 210 ¹
--T	Strength of Materials	
CHEM 140A	Chemistry	CHEM 103
MATH 111	College Algebra & Trigonometry	MATH 134 + 135
MATH 140	Short Course in Calculus	MATH 246
MATH 282	Intro. to Statistics	MATH 136 or 247
PHYS 203A + PHYS 253A	College Physics I	PHYS 101
PHYS 203B + PHYS 253B	College Physics II	PHYS 102

¹ One Hour of Laboratory Will Be Required at SIUC.
 --T Not Required But Will Count as Technical Elective

COLLEGE OF ENGINEERING
INDUSTRIAL TECHNOLOGY
 Southern Illinois University at Carbondale
 Course Substitution List

Kaskaskia College 2007-08
 College Name/Catalog Date

SIUC 2007-08		Kaskaskia College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	DFTG 113 or GEDR 103
IT 208	Manufacturing Processes	DFTG 118
IT 270 or CS 200B	Introduction to Business Computing	CITA 150
IT 307 or MATH 140	Short Course in Calculus	MATH 246
MATH 111	College Algebra and Trigonometry	MATH 134 + 135
PHYS 203A + PHYS 253A	College Physics I	PHY 101
PHYS 203B + PHYS 253B	College Physics II	PHY 102
TE	Technical Electives - 29 hours	Up to 29 technical elective hours may be transferred in IT. The technical elective requirement is fulfilled with an A.A.S. Degree.