

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Kennedy-King College 2005-07

College Name/Catalog Date

SIUC 2006-07					Kennedy-King College 2005-07	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	--
	--	ENGR 222B	ENGR 222B		C++ Programming ¹	CIS 142 ¹
--	ECE 222	or ECE 222	ECE 222	--	JAVA Programming	CIS 144 ²
--	CS 220		--	--	Program with Data Structures	CIS 242
CE 250	--T	--T	CE 250	CE 250	Statics	
ME 261	--	--	ME 261	ME 261	Dynamics	
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 ³ + CHEM 201	CHEM 200 ³ + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 201
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 203
--	--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 207
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 208
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 209
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 210
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 212
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHYS 235
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYS 236
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	--

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

² JAVA Programming is Recommended for Electrical and Computer Engineering Majors.

³ Third Science Course may be either Chemistry I **or** Physics III.

-- Not Required

--T Not Required But Will Count as Technical Elective

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

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College Name/Catalog Date

SIUC 2006-07	Kennedy-King College 2005-07	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 142
--T	Engineering Drawing I	
--T	Engineering Drawing II	
ET 238	Digital Electronics	
ET 245A	Elec. Systems	
--T	Processes Lab	
--T	Statics	
--T	Dynamics	
ET 304A	Electrical Circuits	
--T	Strength of Materials	
CHEM 140A	Chemistry	CHEM 121
MATH 111	College Algebra & Trigonometry	MATH (140 + 141) or 143
MATH 140	Short Course in Calculus	MATH 204
MATH 282	Intro to Statistics	MATH 125
PHYS 203A + PHYS 253A	College Physics I	PHYS 231
PHYS 203B + PHYS 253B	College Physics II	PHYS 232

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

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

Kennedy-King College 2005-07
 College Name/Catalog Date

SIUC 2006-07		Kennedy-King College 2005-07
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	CIS 103 or 120
IT 307 or MATH 140	Short Course in Calculus	MATH 204
MATH 111	College Algebra and Trigonometry	MATH (140 + 141) or 143 or (107 + 108)
PHYS 203A + PHYS 253A	College Physics I	PHYS 231
PHYS 203B + PHYS 253B	College Physics II	PHYS 232
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.