

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Kishwaukee College 2007-08

College Name/Catalog Date

SIUC 2008-09					Kishwaukee 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	EGR 277, CAD 111, or 151
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming ¹	EGR 220 or CIS 150
--			--	--	JAVA Programming ²	CIS 160
--	CS 220		--	--	Program with Data Structures	CIS 250
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 270
ME 261	--	--	ME 261	ME 261	Dynamics	EGR 272
CE 350A ³	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	EGR 280 ⁴
--	ECE 235 ⁴	ECE 235 ⁴	ENGR 335	--	Elec. Circuits	EGR 290 ⁴
--	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	CHE 210
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHE 211
--	--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 229
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 230
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 231
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 260
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 240
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 260
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 261
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHY 265

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

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

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

⁴ One hour of laboratory will be required at SIUC.

-- Not Required

--T Not Required But Will Count as Technical Elective

Revised 12/13/2007

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

Kishwaukee College 2007-08
 College Name/Catalog Date

SIUC 2008-09	Kishwaukee College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 150 or EGR 220
--T	Engineering Drawing I	EGR 277 or CAD 111
--T	Engineering Drawing II	CAD 151 or 152
ET 238	Digital Electronics	ELE 230
ET 245A	Elec. Systems	ELE 103
--T	Processes Lab	MT 216 + 261
--T	Statics	EGR 270
--T	Dynamics	EGR 272
ET 304A	Electrical Circuits	EGR 290
--T	Strength of Materials	EGR 280
CHEM 140A	Chemistry	CHE 110
MATH 111	College Algebra & Trigonometry	MAT 150 + 155
MATH 150	Calculus I	MAT 229
MATH 250	Calculus II	MAT 230
PHYS 203A + PHYS 253A	College Physics I	PHY 250
PHYS 203B + PHYS 253B	College Physics II	PHY 251

--T Not Required But Will Count as Technical Elective

Revised 12/13/2007

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

Kishwaukee College 2007-08
College Name/Catalog Date

SIUC 2008-09		Kishwaukee College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	CAD 111 or EGR 277
IT 208	Manufacturing Processes	MT 215
IT 270 or CS 200B	Introduction to Business Computing	CIS 123
IT 307 or MATH 140	Short Course in Calculus	MAT 211
MATH 111	College Algebra and Trigonometry	MAT 150 + 155
PHYS 203A + PHYS 253A	College Physics I	PHY 250
PHYS 203B + PHYS 253B	College Physics II	PHY 251
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