

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

Northeastern Illinois University 2005-06
College Name/Catalog Date

SIUC 2006-07					Northeastern Illinois University 2005-06	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	--
		ENGR 222A or			Fortran Programming	PHYS 309
--	--	ENGR 222B	ENGR 222B	--	C Programming ¹	CS 200 ¹
--	ECE 222	or ECE 222		--	JAVA Programming ²	--
--	CS 220	--T			Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	--
ME 261	--T	--T	ME 261	ME 261	Dynamics	--
CE 350A	--T	--T	CE 350A	CE 350A	Mechanics of Deform. Bodies ⁴	--
ENGR 300	--	--	ENGR 300		Thermodynamics	PHYS 335
--	ECE 235	ECE 235	ENGR 335	ENGR 335	Elec. Circuits	--
--	ECE 225	ECE 225	--	--	Digital Systems	--
--	ECE 375	ECE 375	--T	--	Electromagnetic Fields	PHYS 321
--	ECE 345	ECE 345			Electronics	PHYS 332
CHEM 200 + CHEM 201	CHEM 200 + CHEM 201 ³	CHEM 200 + CHEM 201 ³	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 211
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 212
--	--	--	--	GEOL 220	Physical Geology	ESCI 211
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 107
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 202
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 203
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 301
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 243
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHYS 206 + 203
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHYS 207 + 204
PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C ³	PHYS 205C + PHYS 255C ³	--	--	Univ Physics III	PHYS 215

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 Chemistry I or Physics III for Electrical and Computer Engineering Majors

⁴ One Hour of Laboratory will be required at SIUC.

-- Not Required

--T Not Required But Will Count as Technical Elective