

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

Northern Illinois University 2004-05
 College Name/Catalog Date

SIUC 2004-05					Northern Illinois University 2004-05	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	MEE 270
--	--	--	ENGR 222B	--	C Programming ¹	CSCI 240 ¹
--	ECE 222	ECE 222		--	JAVA Programming ²	CSCI 470 ²
--	CS 220	--T			Data Structures	
	--T	--T	CE 250	CE 250	Statics	MEE 210
CE 250	--T	--T	CE 250	CE 250	Statics	MEE 210
ME 261	--T	--T	ME 261	ME 261	Dynamics	MEE 211
CE 350A	--T	--T	CE 350A	CE 350A	Mechanics of Deform. Bodies ⁴	MEE 212 ⁴
--	ECE 235	ECE 235	ENGR 335	ENGR 335	Elec. Circuits	ELE 210 + 210U
--	ECE 225	ECE 225	--	--	Digital Systems	ELE 250
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 210 + 212
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 211
--	--	--	--	GEOL 220	Physical Geology	GEOL 120 + 121
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 229
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 230
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 232
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 336
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 240
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHYS 250a
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHYS 251a
PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C ³	PHYS 205C + PHYS 255C ³	--	--	Univ Physics III	PHYS 261

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