

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

Eastern Illinois University 2004-05
College Name/Catalog Date

SIUC 2004-05					Eastern Illinois University 2004-05	
Civil Engineering	Electrical Engineering	Computer Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	INT 2043
--	--	--	Engr 222B ¹	--	C++ Programming ¹	?
--	ECE 222 ²	ECE 222 ²	--	--	Java Programming ²	?
--	--	CS 220	--	--	Prog. with Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	PHY 2390
CE 251	--T	--T	ME 261	CE 251	Dynamics	PHY 2400
CE 350A	--T	--T	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235 ⁴	ECE 235 ⁴	ENGR 335 ⁴	--	Elec. Circuits	PHY 3270 ⁴
--	ECE 225	ECE 225	--	--	Digital Systems	
--	ECE 375	ECE 375	--	--	Electromagnetic Fields	PHY 3410
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	CHM 1310G + 1315G
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 1410
--	--	--	--	GEOL 220	Physical Geology	GEL 1490
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 1441G
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 2442
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 2443
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 3501
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 2550
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 1351G + 1352G
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 1361 + 1362
PHYS 205C + PHYS 255C	Phys 205C ³ + Phys 255C	Phys 205C ³ + Phys 255C	--	--	Univ. Physics III	PHY 1371 + 1372

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

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

³ Third science course may be Chemistry I or Physics III for Electrical and Computer Engineering Majors.

⁴ One Hour of Laboratory in Electric Circuits will be required at SIUC.

-- Not Required

--T Not Required But Will Count as Technical Elective