

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

Western Illinois University 2004-05
College Name/Catalog Date

SIUC 2004-05					Western 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	ENGR 105
--	--	--	--	--	Fortran Programming	PHYS 410
--	--	--	Engr 222B ¹	--	C++ Programming ¹	CS 225 ¹
--	ECE 222 ²	ECE 222 ²	--	--	Java Programming ²	CS 212 ²
--	--	CS 220	--	--	Prog. with Data Structures	CS 214
CE 250	--T	--T	CE 250	CE 250	Statics	PHYS 312
CE 251	--T	--T	ME 261	CE 251	Dynamics	PHYS 311
CE 350A	--T	--T	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	
--	ECE 225	ECE 225	--	--	Digital Systems	
--	ECE 375	ECE 375	--T	--T	Electricity & Magnetism	PHYS 320
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 202
--	--	--	--	GEOL 220	Physical Geology	GEOL 110
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 133
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 134
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 231
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 333
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 311
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHYS 197 + 198 + 200 + 201
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	
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 Engineering and Computer Engineering.

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

-- Not Required

--T Not Required But Will Count as Technical Elective