

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Illinois State University 2004-05

College Name/Catalog Date

SIUC 2004-05					Illinois State 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	TEC 216
--	--	--	ENGR 222B	--	C Programming <sup>1</sup>	ITK 165 or 275 <sup>1</sup>
--	ECE 222	ECE 222	--	--	JAVA Programming <sup>2</sup>	
CE 250	--T	--T	CE 250	CE 250	Statics	PHY 152
ME 261	--T	--T	ME 261	ME 261	Dynamics	PHY 220
CE 350A	--	--	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	--	--	Electromagnetic Fields I	PHY 240
CHEM 200 + CHEM 201	CHEM 200 + CHEM 201 <sup>3</sup>	CHEM 200 + CHEM 201 <sup>3</sup>	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHE 140
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHE 141
--	--	--	--	GEOL 220	Physical Geology	GEO 105
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 145
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 146
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 147
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 340
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 175
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHY 110
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHY 111
--T	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--T	Univ Physics III	PHY 112

<sup>1</sup> "C++" Programming is Recommended for Mechanical Engineering Majors.

<sup>2</sup> JAVA Programming is Recommended for Electrical and Computer Engineering Majors.

<sup>3</sup> 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