

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

South Suburban College 2006-07

College Name/Catalog Date

SIUC 2006-07					South Suburban College 2006-07	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	CAD 101 <b>or</b> EGR 101
--	ECE 222	ECE 222	ENGR 222B	--	C++ Programming <sup>1</sup>	CS 121
--	<b>or</b> CS 202	<b>or</b> CS 202	--	--	JAVA Programming <sup>2</sup>	
--	CS 220	--T	--	--	Program with Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 205
CE 251	--	--	ME 261	CE 251	Dynamics	EGR 205
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	EGR 201
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHM 113
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 114
--	--	--	--	GEOL 220	Physical Geology	GLG 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MTH 190
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MTH 203
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MTH 204
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MTH 205
--	--T	--T	--	--	Intro. to Linear Algebra	MTH 200
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 210
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 211
PHYS 205C + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--	Univ. Physics III	PHY 212

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

<sup>2</sup> JAVA Programming may substitute for C++ Programming for Computer and Electrical Engineering Majors.

<sup>3</sup> Third Science Course may be either Chemistry I **or** Physics III Electrical and Computer Engineering Majors.

-- Not Required

--T Not Required But Will Count as Technical Elective

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

South Suburban College 2006-07  
College Name/Catalog Date

SIUC 2006-07	South Suburban College 2006-07	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CS 121
--T	Engineering Drawing I	EGR 101 <b>or</b> DRF 111
--T	Engineering Drawing II	CAD 212
ET 238	Digital Electronics	ELC 215
ET 245A	Elec. Systems	ELC 101
--T	Processes Lab	
--T	Statics	EGR 205
--T	Dynamics	EGR 205
ET 304A	Electrical Circuits	EGR 201
--T	Strength of Materials	
CHEM 140A	Chemistry	CHM 111
MATH 111	College Algebra & Trigonometry	MTH (165 + 167) <b>or</b> 169
MATH 140	Short Course in Calculus	MTH 180
MATH 282	Intro. to Statistics	MTH 126
PHYS 203A + PHYS 253A	College Physics I	PHY 101
PHYS 203B + PHYS 253B	College Physics II	PHY 102

--T Not Required But Will Count as Technical Elective

Revised 12/20/06

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

South Suburban College 2006-07  
College Name/Catalog Date

SIUC 2006-07		South Suburban College 2006-07
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	DRF 101 <b>or</b> CAD 101 (preferred)
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	CIS 101
IT 307 or MATH 140	Short Course in Calculus	MTH 180
MATH 111	College Algebra and Trigonometry	MTH (165 + 167) <b>or</b> 169
PHYS 203A + PHYS 253A	College Physics I	PHY 101
PHYS 203B + PHYS 253B	College Physics II	PHY 102
TE	Technical Electives - 29 hours	Up to 29 technical elective hours may be transferred in IT. The technical elective requirement is fulfilled with an A.A.S. Degree.