

COLLEGE OF ENGINEERING
ENGINEERING

Southern Illinois University Carbondale
 Course Substitution List

Carl Sandburg College 2007-08
 College Name/Catalog Date

SIUC 2008-09					Carl Sandburg College 2007-08	
Civil Engineering	Electrical Engineering	Computer Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--		ENGR 102	ENGR 102	Eng. Graphics	DRF 103
	ECE 222	ECE 222	ENGR 222B	--	C++ Programming ¹	CIS 215 ¹
--	or CS 202	or CS 202	--	--	or JAVA Programming	CIS 235 ²
CE 250	--T	--T	CE 250	CE 250	Statics	
CE 251	--T	--T	ME 261	CE 251	Dynamics	
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	
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 110 ³
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 120
--	--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 240
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 241
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 242
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 260
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 250
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 161
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 162
PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C	--	--	Univ. Physics III	

¹ C++ Programming is recommended for Mechanical Engineering Majors.

² Electrical and Computer Engineering Majors may take either C or JAVA Programming.

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

-- Not Required

--T Not Required But Will Count as Technical Elective

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

Carl Sandburg College 2007-08
 College Name/Catalog Date

SIUC 2008-09	Carl Sandburg College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 215
ET 238	Digital Electronics	--
ET 245A	Elec. Systems	--
ET 304A	Electrical Circuits	
CHEM 140A	Chemistry	CHM 100
MATH 108 + 109	College Algebra & Trigonometry	MAT 130 + 140
MATH 150	Calculus I	MAT 240
MATH 250	Calculus II	MAT 241
PHYS 203A + PHYS 253A	College Physics I	PHY 151
PHYS 203B + PHYS 253B	College Physics II	PHY 152

--T Not Required But Will Count as Technical Elective

Revised 12/13/07

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

Carl Sandburg College 2007-08
 College Name/Catalog Date

SIUC 2008-09		Carl Sandburg College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	DRF 201
IT 208	Manufacturing Processes	MTL 103
IT 270 or CS 200B	Introduction to Business Computing	CIS 122
IT 307 or MATH 140	Short Course in Calculus	MAT 132
MATH 111	College Algebra and Trigonometry	MAT 130 + 140
PHYS 203A + PHYS 253A	College Physics I	PHY 151 or 110
PHYS 203B + PHYS 253B	College Physics II	PHY 152
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.

