

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University Carbondale

Course Substitution List

Rend Lake College 2008-09

College Name/Catalog Date

SIUC 2008-09				Rend Lake College 2008-09		
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	ENGG 1101
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming	CSCI 2203 or 1103
--			--	--	JAVA Programming ²	CSCI 1104
--	CS 220		--	--	Prog. Data Structures	CSCI 2104
CE 250	--T	--T	CE 250	CE 250	Statics	PHY 2101
CE 251	--	--	ME 261	CE 251	Dynamics	PHY 2102
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235 ³	ECE 235 ³	ENGR 335	--	Elec. Circuits	PHY 2121
--	ECE 225	ECE 225	--	--	Digital Systems	INEL 1240
CHEM 200 + CHEM 201	CHEM 200 + CHEM 201 ⁴	CHEM 200 + CHEM 201 ⁴	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHE 1103
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem	CHE 1104
--	--	--	--	GEOL 220	Physical Geology	GEOL 1101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 1121
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 2122
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 2123
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 2130
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 2108
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHY 1103
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHY 1104
PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C ⁴	PHYS 205C + PHYS 255C ⁴	--	--	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 One hour of Laboratory will be required at SIUC.

⁴ Third Science Course may be either Chemistry I or Physics III for Computer and Electrical 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

Rend Lake College 2008-09
 College Name/Catalog Date

SIUC 2008-09	Rend Lake College 2008-09	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSCI 2203 or 1103
--T	Engineering Drawing I	ENGG 1101
--T	Engineering Drawing II	CAD 1201 + 1204
ET 238	Digital Electronics	
ET 245A	Elec. Systems	
--T	Processes Lab	
--T	Statics	PHY 2101
--T	Dynamics	PHY 2102
ET 304A ¹	Electrical Circuits	PHY 2121
--T	Strength of Materials	
CHEM 140A	Chemistry	CHE 1101
MATH 111	College Algebra & Trigonometry	MATH (1108 + 1109) or 1110
MATH 150	Calculus I	MATH 1121
MATH 250	Calculus II	MATH 2122
PHYS 203A + PHYS 253A	College Physics I	PHY 1101 or 1201
PHYS 203B + PHYS 253B	College Physics II	PHY 1102 or 1202

¹ One hour of Laboratory will be required at SIUC.

--T Not required but will count as Technical Elective

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

Rend Lake College 2008-09
College Name/Catalog Date

SIUC 2008-09		Rend Lake College 2008-09
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	CAD 1201 or ENGG 1101
IT 208	Manufacturing Processes	MFG 1205
IT 270 or CS 200B	Introduction to Business Computing	CSCI 1102
IT 307 or MATH 140	Short Course in Calculus	MATH 2115
MATH 111	College Algebra and Trigonometry	MATH (1108 + 1109) or 1110
PHYS 203A + PHYS 253A	College Physics I	PHY 1201 or 1101
PHYS 203B + PHYS 253B	College Physics II	PHY 1202 or 1102
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.