

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University Carbondale
 Course Substitution List

Lake Land College 2006-08
 College Name/Catalog Date

SIUC 2006-07					Lake Land College 2006-08	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	TEC 103
--	--		ENGR 222B	--	C++ Programming ¹	MAT 151 or CIS 162 or 164
--	ECE 222	ECE 222	--	--	JAVA Programming ²	CIS 170 ²
--	CS 220	--T	--	--	Prog. Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	PHY 239
ME 261	--	--	ME 261	ME 261	Dynamics	PHY 240
CE 350A	--	--	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 150
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 151
--	--	--	--	GEOL 220	Physical Geology	ESC 100
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 241
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 242 + MAT 243
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 245
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 255
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 140
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 141
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHY 142

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

² JAVA Programming is recommended for Electrical Engineering and Computer Engineering Majors.

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

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

Lake Land College 2006-08
College Name/Catalog Date

SIUC 2006-07	Lake Land College 2006-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	MAT 151 or CIS 162 or 164
--T	Engineering Drawing I	CAD 056
--T	Engineering Drawing II	CAD 057
ET 238	Digital Electronics	EET 071 + 076
ET 245A	Elec. Systems	EET 040 + 050 + 051
--T	Processes Lab	MTT 050
--T	Statics	PHY 239 or TEC 060
--T	Dynamics	PHY 240
ET 304A	Electrical Circuits	
--T	Strength of Materials	TEC 080
CHEM 140A	Chemistry	CHM 120
MATH 111	College Algebra & Trigonometry	MAT 130 + 132 or TEC 052 + 054 + 056
MATH 140	Short Course in Calculus	MAT 211
MATH 282	Intro. to Statistics	MAT 125
PHYS 203A + PHYS 253A	College Physics I	PHY 130 or PHY 140
PHYS 203B + PHYS 253B	College Physics II	PHY (131 + 132) or PHY 141

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

Lake Land College 2006-08
College Name/Catalog Date

SIUC 2006-07		Lake Land College 2006-08
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	CAD 056
IT 208	Manufacturing Processes	MTT 050
IT 270 or CS 200B	Introduction to Business Computing	CIS 052
IT 307 or MATH 140	Short Course in Calculus	MAT 211
MATH 111	College Algebra and Trigonometry	MAT 130 + 132 or TEC 052 + 054 + 056
PHYS 203A + PHYS 253A	College Physics I	PHY 130 or PHY 140
PHYS 203B + PHYS 253B	College Physics II	PHY 131 + 132 or PHY 141
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.