

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University Carbondale
 Course Substitution List

College of Lake County 2007-08
 College Name/Catalog Date

SIUC 2008-09					College of Lake County 2007-08	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	CAD 117 or EGR 121
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B ²	--	C++ Program- ming ¹	CIT 141
					JAVA Programming ²	MCS 140 ²
--	CS 220	--	--	--	Prog. Data Structures	MCS 142
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 221
ME 261	--T	--T	ME 261	ME 261	Dynamics	EGR 221
CE 350A ³	--T	--T	CE 350A ³	CE 350A ³	Mechanics of Deform. Bodies	EGR 222 ³
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	EGR 260
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHM 121
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 123
--	--	--	--	GEOL 220	Physical Geology	GEO 121
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MTH 145
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MTH 146 + 246
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MTH 227
--	--T	--T	--	--	Intro. to Linear Algebra	MTH 225
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 123
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 124
PHYS 205C + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	--	--	Univ. Physics III	PHY 221

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 in Mechanics of Deformable Bodies will be required at SIUC.

⁴ 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

College of Lake County 2007-08
 College Name/Catalog Date

SIUC 2008-09	College of Lake County 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIT 141
--T	Engineering Drawing I	EGR 121 or CDA 111
--T	Engineering Drawing II	CAD 117
ET 238	Digital Electronics	EET 216 or EET 213
ET 245A	Elec. Systems	ELC 172 + EET 173 / EET 170 & 173
--T	Processes Lab	MCD 111
--T	Statics	EGR 221 or 216
--T	Dynamics	EGR 221
ET 304A	Electrical Circuits	ELC 174 & 175 / EET 174 & 175
CHEM 140A	Chemistry	CHM 120 or 121
MATH 111	College Algebra & Trigonometry	MTH (122 + 123) or 144
MATH 150	Calculus I	MTH 145
MATH 250	Calculus II	MTH 146
PHYS 203A + PHYS 253A	College Physics I	PHY 121 or 111
PHYS 203B + PHYS 253B	College Physics II	PHY 122 or 112
ET 403A +	Electrical Systems	EET 113
ET 439	Micropr. Appl. & Hardwr.	EET 216

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

College of Lake County 2007-08
College Name/Catalog Date

SIUC 2008-09		College of Lake County 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	MTT 110
IT 208	Manufacturing Processes	MFG 210 or MCD 111
IT 270 or CS 200B	Introduction to Business Computing	CIT 119
IT 307 or MATH 140	Short Course in Calculus	MTH 224
MATH 111	College Algebra and Trigonometry	MTH (122 + 123) or 144
PHYS 203A + PHYS 253A	College Physics I	PHY 121 or 111
PHYS 203B + PHYS 253B	College Physics II	PHY 122 or 112
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.