

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University Carbondale
 Course Substitution List

John A. Logan College 2007-08
 College Name/Catalog Date

SIUC 2008-09					John A. Logan College 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	EGR 101
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming	CPS 203 ¹
--			--	--	JAVA Programming	CPS 207 ²
--	CS 220	--T	--	--	Prog. Data Structures	CPS 215
CE 250	--T	--T	CE 250	CE 250	Statics	PHY 201
CE 251	--	--	ME 261	CE 251	Dynamics	PHY 202
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	PHY 215
--	ECE 225	ECE 225	--	--	Digital Systems	
ENGR 300	--	--	ENGR 300	--	Thermodynamics	PHY 212
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 151
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 152
--	--	--	--	GEOL 220	Physical Geology	PHS 220
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 131
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 201
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 202 or 202H
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 205 or 205H
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 221
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 205
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 206
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	

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

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

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

John A. Logan College 2007-08
 College Name/Catalog Date

SIUC 2008-09	John A. Logan College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CPS 203
--T	Engineering Drawing I	DRT 181 or EGR 101
--T	Engineering Drawing II	DRT 281 + 286
ET 238	Digital Electronics	ELT 200
ET 245A	Elec. Systems	ELT 110
--T	Processes Lab	IND 121
--T	Statics	PHY 201
--T	Dynamics	PHY 202
ET 304A	Electrical Circuits	PHY 215
CHEM 140A	Chemistry	CHM 141
MATH 108 + 109	College Algebra & Trigonometry	MAT 111 or MAT (108 & 109)
MATH 150	Calculus I	MAT 131
MATH 250	Calculus II	MAT 201
PHYS 203A + PHYS 253A	College Physics I	PHY 155 or 153
PHYS 203B + PHYS 253B	College Physics II	PHY 156

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

John A. Logan College 2007-08
College Name/Catalog Date

SIUC 2008-09		John A. Logan College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	DRT 186
IT 208	Manufacturing Processes	IND 121
IT 270 or CS 200B	Introduction to Business Computing	CPS 176, CIS 101, 102, 103, or 104
IT 307 or MATH 140	Short Course in Calculus	MAT 117
MATH 111	College Algebra and Trigonometry	MAT 111 or (MATH 108 + 109)
PHYS 203A + PHYS 253A	College Physics I	PHY 121, 153, or 155
PHYS 203B + PHYS 253B	College Physics II	PHY 156
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.