

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

Spoon River College 2007-08
College Name/Catalog Date

SIUC 2008-09					Spoon River 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	GT 102 or 103
	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming	CSC 147 ¹ or CIS 106
ECE 222	CS 202	CS 202	--	--	JAVA Programming	
--	CS 220		--	--	Program with Data Structures	
CE 250	--T		CE 250	CE 250	Statics	
CE 251	--		ME 261	CE 251	Dynamics	
CE 350A	--		CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235		ENGR 335	--	Elec. Circuits	
--	ECE 225		--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 ³ + CHEM 201		CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 170
CHEM 210	--T		CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 180
--	--		--	GEOL 220	Physical Geology	
MATH 150	MATH 150		MATH 150	MATH 150	Calculus I	MAT 151
MATH 250	MATH 250		MATH 250	MATH 250	Calculus II	MAT 152
MATH 251	MATH 251		MATH 251	MATH 251	Calculus III	MAT 251
MATH 305	MATH 305		MATH 305	MATH 305	Diff. Equations	MAT 265
--	--T		--	--	Intro. to Linear Algebra	MAT 263
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A		PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PH 121
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B		PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PH 122
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C		--	--	Univ. Physics III	PH 123

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 at Carbondale
 Course Substitution List

Spoon River College 2007-08
 College Name/Catalog Date

SIUC 2008-09	Spoon River College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSC 147
ET 238	Digital Electronics	ET 165
ET 245A	Elec. Systems	ET 100
ET 304A ¹	Electrical Circuits	
--T	Strength of Materials	
CHEM 140A	Chemistry	CHEM 100
MATH 111	College Algebra & Trigonometry	MAT 125 + 126
MATH 150	Calculus I	MAT 151
MATH 250	Calculus II	MAT 152
PHYS 203A + PHYS 253A	College Physics I	PH 111
PHYS 203B + PHYS 253B	College Physics II	PH 112

¹ One Hour of Laboratory in Electric Circuits Will Be Required at SIUC.
 --T Not Required But Will Count as Technical Elective

Revised 12/13/07

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

Spoon River College 2007-08
College Name/Catalog Date

SIUC 2008-09		Spoon River College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	--
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	CIS 105
IT 307 or MATH 140	Short Course in Calculus	MAT 133 + 134
MATH 111	College Algebra and Trigonometry	MAT 125 + 126
PHYS 203A + PHYS 253A	College Physics I	PH 111
PHYS 203B + PHYS 253B	College Physics II	PH 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.