

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

John Wood Community College 2006-07

College Name/Catalog Date

SIUC 2006-07				John Wood Community College 2006-07	
Civil Engineering	Electrical or Computer Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	ENGR 102	ENGR 102	Eng. Graphics	
--	ECE 222	ENGR 222B	--	C++ Programming ¹	
--	or CS 202		--	JAVA Programming ²	
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	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	CHM 103
CHEM 210	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 104
--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 220
MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 221
MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 222
MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 251
--	--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	PHY 223
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 224
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHY 225

¹ C++ Programming is recommended for Computer, Electrical, and Mechanical Engineering Majors.

² JAVA Programming may substitute for C++ Programming for Electrical 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 at Carbondale
 Course Substitution List

John Wood Community College 2006-07
 College Name/Catalog Date

SIUC 2006-07	John Wood Community College 2006-07	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	
--T	Engineering Drawing I	
--T	Engineering Drawing II	CAD 104 + 200
ET 238	Digital Electronics	
ET 245A	Elec. Systems	EET 111
--T	Processes Lab	
--T	Statics	
--T	Dynamics	
ET 304A	Electrical Circuits	
--T	Strength of Materials	
CHEM 140A	Chemistry	CHM 100
MATH 111	College Algebra & Trigonometry	MAT 113 + 114
MATH 140	Short Course in Calculus	MAT 234
MATH 282	Intro. to Statistics	MAT 109
PHYS 203A + PHYS 253A	College Physics I	PHY 103
PHYS 203B + PHYS 253B	College Physics II	PHY 104

--T Not Required But Will Count as Technical Elective

Revised 12/5/06

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

John Wood Community College 2006-07
College Name/Catalog Date

SIUC 2006-07		John Wood Community College 2006-07
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	CAD 104
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	CSC 115
IT 307 or MATH 140	Short Course in Calculus	MAT 234
MATH 111	College Algebra and Trigonometry	MAT 113 + 114
PHYS 203A + PHYS 253A	College Physics I	PHY 103
PHYS 203B + PHYS 253B	College Physics II	PHY 104
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.