

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University Carbondale
 Course Substitution List

Danville Area Community College 2006-07
 College Name/Catalog Date

SIUC 2006-07					Danville Area Community College 2006-07	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	DRAF 161
	ECE 222	ECE 222	ENGR 222B	--	C++ Programming ¹	MATH 110
--	or CS 202	or CS 202			JAVA Programming ²	INFO 284 ²
--	CS 220	CS 220	--	--	Prog. Data Structures	
CE 250	--	--T	CE 250	CE 250	Statics	PHYS 152
CE 251	--	--	ME 261	CE 251	Dynamics	PHYS 211
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	--	ECE 235	ENGR 335	ENGR 335	Elec. Circuits	PHYS 235
--	--	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	CHEM 101
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 102
--	--	--	--	GEOL 220	Physical Geology	PHYS 114
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 120
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 130 + 140
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 211
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 137
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHYS 106
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYS 107
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHYS 108

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

² JAVA may substitute for C++ Programming for Electrical and Computer Engineering Majors.

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 Carbondale
 Course Substitution List

Danville Area Community College 2006-07
 College Name/Catalog Date

SIUC 2006-07	Danville Area Community College 2006-07	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	MATH 110 or INFO 135
--T	Engineering Drawing I	DRAF 160 + 166
--T	Engineering Drawing II	
ET 238	Digital Electronics	ELEC 274
ET 245A	Elec. Systems	ELEC 220
--T	Processes Lab	MFRG 162
--T	Statics	PHYS 152
--T	Dynamics	PHYS 211
ET 304A	Electrical Circuits	PHYS 235
CHEM 140A	Chemistry	CHEM 100
MATH 111	College Algebra & Trigonometry	MATH 111 + 114
MATH 140	Short Course in Calculus	MATH 125
MATH 282	Intro. to Statistics	MATH 161
PHYS 203A + PHYS 253A	College Physics I	PHYS 101
PHYS 203B + PHYS 253B	College Physics II	PHYS 102

--T Not Required But Will Count as Technical Elective

Revised 11/30/06

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

Danville Area Community College 2006-07
 College Name/Catalog Date

SIUC 2006-07		Danville Area Community College 2006-07
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	DRAF 161
IT 208	Manufacturing Processes	MFRG 160
IT 270 or CS 200B	Introduction to Business Computing	CBUS 150
IT 307 or MATH 140	Short Course in Calculus	MATH 125
MATH 111	College Algebra and Trigonometry	MATH 111 + 114
PHYS 203A + PHYS 253A	College Physics I	PHYS 101
PHYS 203B + PHYS 253B	College Physics II	PHY 102
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.