

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

**Black Hawk Colleges--Quad Cities and East Campus 2007-08**  
 College Name/Catalog Date

2008-09						Black Hawk Colleges 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	GE 101
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B <sup>1</sup>	--	C++ Programming <sup>1</sup>	CS 251
--					JAVA Programming <sup>2</sup>	CIP 250
--	--	CS 220	--	--	Prog. Data Structures	CS 225
CE 250	--T	--T	CE 250	CE 250	Statics	GE 201
CE 251	--T	--T	ME 261	CE 251	Dynamics	GE 202
CE 350A <sup>4</sup>	--T	--T	CE 350A <sup>4</sup>	CE 350A <sup>4</sup>	Mechanics of Deform. Bodies	GE 205 <sup>4</sup>
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 <sup>3</sup> + 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	GEOL 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 124
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 225
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 226
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 235
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 230
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHYS 201
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHYS 202
PHYS 205C + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--	Univ Physics III	PHYS 214 + 201 + 202

<sup>1</sup> "C++" Programming is Recommended for Mechanical Engineering Majors.

<sup>2</sup> Computer and Electrical Engineering Majors may take either C or JAVA Programming.

<sup>3</sup> Third science course may be either Chemistry I or Physics III for Electrical and Computer Engineering Majors.

<sup>4</sup> One hour of laboratory will be required at SIUC.

-- Not Required

--T Not Required But Will Count as Technical Elective

Revised 12/13/07

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

Black Hawk Colleges--Quad Cities and East Campus 2007-08  
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SIUC 2008-09	Black Hawk Colleges 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CS 251
ET 238	Digital Electronics	ENGT 218
ET 245A	Elec. Systems	ENGT 103 + 168
ET 304A <sup>1</sup>	Electrical Circuits	
CHEM 140A	Chemistry	CHEM 110
MATH 108 + 109	College Algebra & Trigonometry	MATH (112 + 116) or 118
MATH 150	Calculus I	MATH 124
MATH 250	Calculus II	MATH 225
PHYS 203A + PHYS 253A	College Physics I	PHYSICS 101
PHYS 203B + PHYS 253B	College Physics II	PHYSICS 102

<sup>1</sup> 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

Black Hawk Colleges--Quad Cities and East Campus 2007-08  
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2008-09		Black Hawk Colleges 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	
IT 208	Manufacturing Processes	ENGT 180
IT 270 or CS 200B	Introduction to Business Computing	CIP 103 <b>or</b> 104 <b>or</b> CS 100
IT 307 or MATH 140	Short Course in Calculus	MATH 132
MATH 111	College Algebra and Trigonometry	MATH (112 + 116) or 118
PHYS 203A + PHYS 253A	College Physics I	PHYSICS 101
PHYS 203B + PHYS 253B	College Physics II	PHYSICS 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.