

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

University of Kentucky Community College System 2008-09

College Name/Catalog Date

SIUC 2008-09					University of Kentucky Community College System 2008-09	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	ME 105
--	ECE 222	ECE 222	ENGR 222B	--	C Programming	CIS 155 <sup>1</sup>
--			--	--	JAVA Programming	CIS 149 <sup>2</sup>
CE 250	--T	CE 250	CE 250	CE 250	Statics	EM 221
ME 261	--T	--T	ME 261	ME 261	Dynamics	
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235 <sup>4</sup>	EE 235 <sup>4</sup>	ENGR 335	--	Elec. Circuits	EE 221 <sup>4</sup>
--	ECE 225	EE 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	CHE 105 + CHM 105
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHE 107
--	--	--	--	GEOL 220	Physical Geology	GLY 101 + 111
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MA 113 + 114 + 213
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MA 214
--	--T	--T	--	--	Intro. to Linear Algebra	
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 231 + 241
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 232 + 242
--T	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--T	Univ. Physics III	

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

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

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

<sup>4</sup> One hour of Laboratory in Electric Circuits will be required at SIUC.

-- Not required

--T Not required but will count as Technical Elective

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

University of Kentucky Community College System 2008-09  
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SIUC 2008-09	University of Kentucky Community College System 2008-09	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C Programming	CIS 155
--T	Engineering Drawing I	ME 105 + ET 106
--T	Engineering Drawing II	CAD 200
ET 238	Digital Electronics	ET 256
ET 245A	Elec. Systems	ET 111 <sup>1</sup>
--T	Processes Lab	ET 115 + 118 <b>or</b> MFG 145
--T	Statics	ET 201
--T	Dynamics	
ET 304A	Electrical Circuits	EE 211 <sup>1</sup>
--T	Strength of Materials	
CHEM 140A	Chemistry	(CHE 104 + CHM 104) <b>or</b> (CHE 105 + CHM 105)
MATH 108 + 109	College Algebra & Trigonometry	MA (109 + 112) <b>or</b> 110
MATH 150	Calculus I	MA 113
MATH 250	Calculus II	MA 114
PHYS 203A <sup>2</sup> + PHYS 253A <sup>2</sup>	College Physics I	PHY 211 <b>or</b> 151 <sup>2</sup>
PHYS 203B <sup>2</sup> + PHYS 253B <sup>2</sup>	College Physics II	PHY 213 <b>or</b> 152 <sup>2</sup>

<sup>1</sup> One Hour of ET 492 Laboratory will be Required.

<sup>2</sup> One Hour of Laboratory will be Required for Students who have Completed only the Physics Lecture.  
--T Not Required But Will Count as Technical Elective

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

University of Kentucky Community College System 2008-09  
College Name/Catalog Date

SIUC 2008-09		University of Kentucky Community College System 2008-09
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	CAD 100 <b>or</b> ME 105
IT 110	Geometric Dimensioning & Tolerancing	DFT 240
IT 208	Manufacturing Processes	ET 115 <b>or</b> MFG 145
IT 270 or CS 200B	Introduction to Business Computing	CIS 130 <b>or</b> CS 101
IT 307 or MATH 140	Short Course in Calculus	MA 123
MATH 111	College Algebra and Trigonometry	MA (109 + 112) <b>or</b> 110
PHYS 203A + PHYS 253A	College Physics I	PHY 211 <b>or</b> 151*
PHYS 203B + PHYS 253B	College Physics II	PHY 213 <b>or</b> 152*
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.

\*One hour of Physics Laboratory will be required at SIUC