

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

Kankakee Community College 2006-07  
College Name/Catalog Date

SIUC 2006-07					Kankakee 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	ENGR 1513
--	--	ENGR 222B <b>or</b> ECE 222	ENGR 222B	--	"C" Programming	COSC 2143 <sup>1</sup>
--	ECE 222		ECE 222	--	JAVA Programming	
CE 250	--T	--T	CE 250	CE 250	Statics	ENGR 1613
ME 261	--	--	ME 261	ME 261	Dynamics	ENGR 1623
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform Bodies <sup>3</sup>	
--	ECE 235 <sup>4</sup>	ECE 235 <sup>4</sup>	ENGR 335	--	Elec. Circuits	ENGR 2613 <sup>4</sup>
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 <sup>5</sup> + CHEM 201	CHEM 200 <sup>5</sup> + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 1514
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 1524
--	--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 2515
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 2523
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 2535
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 2613
--	--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	PHYS 2614
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYS 2624
PHYS 205C + PHYS 255C	PHYS 205C <sup>5</sup> + PHYS 255C	PHYS 205C <sup>5</sup> + PHYS 255C	--	--	Univ. Physics III	PHYS 2634

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

<sup>2</sup> JAVA Programming is recommended for Electrical and Computer Engineering Majors.

<sup>3</sup> One hour of Laboratory in Mechanics of Deformable Bodies Will Be Required at SIUC.

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

<sup>5</sup> 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

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 College Name/Catalog Date

SIUC 2006-07	Kankakee Community College 2006-07	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	"C" Programming	COSC 2143
--T	Engineering Drawing I	ENGR 1513 <b>or</b> DRFT 1154
--T	Engineering Drawing II	DRFT 2124
ET 238	Digital Electronics	ELTR 2124
ET 245A	Elec. Systems	ELTR 1024
--T	Processes Lab	
--T	Statics	ENGR 1613
--T	Dynamics	ENGR 1623
ET 304A	Electrical Circuits	ENGR 2613 <sup>1</sup>
CHEM 140A	Chemistry	CHEM 1414
MATH 108 + 109	College Algebra & Trigonometry	MATH (1814 + 1803)
MATH 150	Short Course in Calculus	MATH 1833
MATH 250	Intro. to Statistics	MATH 1774
PHYS 203A + PHYS 253A	College Physics I	PHYS 1514
PHYS 203B + PHYS 253B	College Physics II	PHYS 1524

<sup>1</sup>One hour of Laboratory in Electric Circuits will be required at SIUC.  
 --T Not required but will count as Technical Elective

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

Kankakee Community College 2006-07  
College Name/Catalog Date

SIUC 2006-07		Kankakee Community College 2006-07
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	ENGR 1513 <b>or</b> DRFT 1154
IT 208	Manufacturing Processes	
IT 270 <b>or</b> CS 200B	Introduction to Business Computing	COSC 1513
IT 307 <b>or</b> MATH 140	Short Course in Calculus	MATH 1833
MATH 111	College Algebra and Trigonometry	MATH (1814 + 1803)
PHYS 203A + PHYS 253A	College Physics I	PHYS 1514
PHYS 203B + PHYS 253B	College Physics II	PHYS 1524
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.