

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

Parkland College 2008-09  
 College Name/Catalog Date

SIUC 2008-09					Parkland College 2008-09	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 101	ENGR 101	ENGR 101	ENGR 101	ENGR 101	Intro. to Engineering	ENS 115 + 116
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	ENS 101
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming	CSC 127 <sup>1</sup>
--					JAVA Programming	CSC 140 <sup>2</sup> or 123 <sup>2</sup>
--	CS 220	--T	--	--	Prog. Data Structures	CSC 125
CE 250	--T	--T	CE 250	CE 250	Statics	ENS 201
CE 251	--	--	ME 261	CE 251	Dynamics	ENS 203
CE 350A & B	--	--	CE 350A & B	CE 350A & B	Mechanics of Deform. Bodies	ENS 202
--	ECE 101	ECE 101	--	--	Intro. to Electrical/Computer Engineering	ENS 100
--	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	CHE 101
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHE 102
--	--	--	--	GEOL 220	Physical Geology	ESC 102
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 128
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 129
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 228
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 229
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 220
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 141
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 142
PHYS 205C + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--	Univ. Physics III	PHY 143

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

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

<sup>3</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 Carbondale  
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SIUC 2008-09		Parkland College 2008-09
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSC 127
--T	Engineering Drawing I	ENS 101
--T	Engineering Drawing II	CAD 117
ET 238	Digital Electronics	ELT 295 <b>or</b> 155
ET 245A	Elec. Systems	ELT 150 + 151
ET 304A	Elec. Circuits	
--T	Processes Lab	MFT 121
--T	Statics	ENS 201
--T	Dynamics	ENS 203
--T	Strength of Materials	ENS 202
CHEM 140A	Chemistry	CHE 100
MATH 111	College Algebra & Trigonometry	MAT 124 + 125
MATH 150	Calculus I	MAT 128
MATH 250	Calculus II	MAT 129
PHYS 203A + PHYS 253A	College Physics I	PHY 121 <b>or</b> 111 <b>or</b> 141
PHYS 203B + PHYS 253B	College Physics II	PHY 122 <b>or</b> 112 <b>or</b> 142

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

Parkland College 2008-09  
 College Name/Catalog Date

SIUC 2008-09		Parkland College 2008-09
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	ENS 101
IT 208	Manufacturing Processes	MFT 121
IT 270 <b>or</b> CS 200B	Introduction to Business Computing	CIS 122 <b>or</b> 200 <b>or</b> CSC 105
IT 307 <b>or</b> MATH 140	Short Course in Calculus	MAT 143
MATH 111	College Algebra and Trigonometry	MAT (124 + 125)
PHYS 203A + PHYS 253A	College Physics I	PHY 111 <b>or</b> 121 <b>or</b> 141
PHYS 203B + PHYS 253B	College Physics II	PHY 112 <b>or</b> 122 <b>or</b> 142
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.