

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Prairie State College 2006-08

College Name/Catalog Date

SIUC 2008-09					Prairie State College 2006-08	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	CADMD 141 or 243
--	ECE 222	ECE 222	ENGR 222B	--	C++ Programming ¹	ITPRG 144 or MATH 201
--	or CS 202	or CS 202	--	--	JAVA Programming ²	ITPRG 147 ²
--	CS 220	--T	--	--	Program with Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	PHYSI 235
ME 261	--	--	ME 261	ME 261	Dynamics	PHYSI 240
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	
--	ECE 225	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 110
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 130
--	--	--	--	GEOL 220	Physical Geology	GEOL 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 171
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 172
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 173
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 216
--	--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	PHYSI 210
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYSI 220
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHYSI 230

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

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

³ Third Science Course may be either Chemistry I **or** Physics III 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

Prairie State College 2006-08
College Name/Catalog Date

SIUC 2008-09	Prairie State College 2006-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C Programming	ITPRG 144 or MATH 201
--T	Engineering Drawing I	CADMD 141 or 243
--T	Engineering Drawing II	CADMD 244
ET 238	Digital Electronics	
ET 245A	Elec. Systems	
--T	Processes Lab	
--T	Statics	PHYSI 235 or CADMD 203
--T	Dynamics	PHYSI 240
ET 304A	Electrical Circuits	
--T	Strength of Materials	
CHEM 140A	Chemistry	CHEM 105 or 110
MATH 111	College Algebra & Trigonometry	MATH (151 + 161) or 165
MATH 150	Calculus I	MATH 171
MATH 250	Calculus II	MATH 172
PHYS 203A + PHYS 253A	College Physics I	PHYSI 120
PHYS 203B + PHYS 253B	College Physics II	PHYSI 130

--T Not Required But Will Count as Technical Elective

Revised 12/13/2007

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

Prairie State College 2006-08
College Name/Catalog Date

SIUC 2008-09		Prairie State College 2006-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	
IT 208	Manufacturing Processes	--
IT 270 or CS 200B	Introduction to Business Computing	ITAPP 101
IT 307 or MATH 140	Short Course in Calculus	MATH 157
MATH 111	College Algebra and Trigonometry	MATH (151 + 161) or 165
PHYS 203A + PHYS 253A	College Physics I	PHYSI 120
PHYS 203B + PHYS 253B	College Physics II	PHYSI 130
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.