

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

College of DuPage 2005-06
College Name/Catalog Date

SIUC 2005-06					College of DuPage 2005-06	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	ENGIN 1101 or CADD 1110
--	--		ENGR 222B	--	C Programming ¹	CIS 2485 or 2541
--	ECE 222	ECE 222	--	--	JAVA Programming ²	CIS 2571 or 2572
--	CS 220	--T	--	--	Prog. Data Structures	CIS 2542
CE 250	--T	--T	CE 250	CE 250	Statics	ENGIN 2201
CE 251	--	--	ME 261	CE 250	Dynamics	ENGIN 2202
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	ENGIN 2203 ³
ENGR 300	--	--	ENGR 300	--	Thermodynamics	ENGIN 2205
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	ENGIN 2210
--	ECE 225	ECE 225	--	--	Digital Systems	ENGIN 2213
CHEM 200 + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEMI 1551
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEMI 1552
--	--	--	--	GEOL 220	Physical Geology	EARTH 1101 + 1102
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 2231
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 2232
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 2233
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 2270
--	--T	--T	--	--	Intro. to Linear Algebra	MATH 2245
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHYSI 2111
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHYSI 2112
PHYS 205C + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	--	--	Univ. Physics III	PHYSI 2115

¹ "C" Programming is recommended for Mechanical Engineering Majors.

² JAVA Programming is recommended for Electrical and Computer Engineering Majors.

³ One hour of Laboratory in Mechanics of Deformable Bodies will be required at SIUC.

⁴ 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

College of DuPage 2005-06
 College Name/Catalog Date

SIUC 2005-06	College of DuPage 2005-06	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 2485 or 2541
--T	Engineering Drawing I	ENGIN 1101 or MANUF 1101
--T	Engineering Drawing II	CADD 1112
ET 238	Digital Electronics	
ET 245A	Elec. Systems	ELECT 1102
--T	Processes Lab	MANUF 1151
--T	Statics	ENGIN 2201
--T	Dynamics	ENGIN 2202
ET 304A	Electrical Circuits	ENGIN 2210
--T	Strength of Materials	ENGIN 2203 ¹
--T	Material Fundamentals	MANUF 1121
CHEM 140A	Chemistry	CHEMI 1211
MATH 108 + 109	College Algebra & Trigonometry	MATH 1431 + 1432
MATH 140	Short Course in Calculus	MATH 2134
MATH 282	Intro. to Statistics	MATH 1635
PHYS 203A + PHYS 253A	College Physics I	PHYSI 1201
PHYS 203B + PHYS 253B	College Physics II	PHYSI 1202 or 1162

¹ One hour of Laboratory in Strength of Materials 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

College of DuPage 2005-06
College Name/Catalog Date

SIUC 2005-06		College of DuPage 2005-06
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	MANUF 1101 or ENGIN 1101
IT 208	Manufacturing Processes	MANUF 2202 or 1151
IT 270 or CS 200B	Introduction to Business Computing	CIS 1150
IT 307 or MATH 140	Short Course in Calculus	MATH 2134
IT 445	Computer Aided Manufacturing	MANUF 2253
MATH 111	College Algebra and Trigonometry	MATH 1431 + 1432
PHYS 203A + PHYS 253A	College Physics I	PHYSI 1201
PHYS 203B + PHYS 253B	College Physics II	PHSYI 1202 or 1162
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.

Revised 2/1/07