

COLLEGE OF ENGINEERING
ENGINEERING
 Southern Illinois University Carbondale
 Course Substitution List

McHenry County College 2008-09
 College Name/Catalog Date

SIUC 2008-09					McHenry County College 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	DRT 150 or EGR 151
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming	CSC 121 ¹ or CIS 117 or MAT 250 ¹
--	CS 202	CS 202	--	--	JAVA Programming	CIS 148 ²
--	CS 220	--T	--	--	Prog. Data Structures	CSC 122 or CIS 211
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 251
CE 251	--	--	ME 261	CE 251	Dynamics	EGR 252
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	EGR 260
--	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	CHM 165
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 166
--	--	--	--	GEOL 220	Physical Geology	GEL 101 + 103
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 175
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 245
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 255
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 260
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 253
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 291
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 292
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHY 293

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

² Electrical Engineering and Computer Engineering Majors may take C++ or JAVA Programming.

³ 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
 Course Substitution List

McHenry County College 2008-09
 College Name/Catalog Date

SIUC 2008-09		McHenry County College 2008-09
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSC 121 or CIS 117 or MATH 250
--T	Engineering Drawing I	DRT 101 or EGR 151
--T	Engineering Drawing II	DRT 151
ET 238	Digital Electronics	EET 140
ET 245A	Elec. Systems	EET 111
--T	Processes Lab	MET 102
--T	Statics	EGR 251
--T	Dynamics	EGR 252
ET 304A	Electrical Circuits	EGR 260
--T	Strength of Materials	MET 117
CHEM 140A	Chemistry	CHM 164
MATH 108 + 109	College Algebra & Trigonometry	MAT 165
MATH 150	Calculus I	MAT 175
MATH 250	Calculus II	MAT 245
PHYS 203A + PHYS 253A	College Physics I	PHY 280
PHYS 203B + PHYS 253B	College Physics II	PHY 281

--T Not Required But Will Count as Technical Elective

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

McHenry County College 2008-09
 College Name/Catalog Date

SIUC 2008-09		McHenry County College 2008-09
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	DRT 150
IT 110	Geometric Dimensioning & Tolerancing	DRT 202
IT 208	Manufacturing Processes	MET 102
IT 270 or CS 200B	Introduction to Business Computing	CIS 110 or 131
IT 307 or MATH 140	Short Course in Calculus	MAT 171
MATH 111	College Algebra and Trigonometry	MAT 165
PHYS 203A + PHYS 253A	College Physics I	PHY 280
PHYS 203B + PHYS 253B	College Physics II	PHY 281
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.