

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Moraine Valley Community College 2007-09
College Name/Catalog Date

SIUC 2008-09					Moraine Valley Community College 2007-09	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	EGN 150 or MDT 101
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B	--	C++ Programming ¹	CSC 140 or MIS 160 ¹
--			--	--	JAVA Programming ²	MIS 176 ²
--	CS 220	CS 220	--	--	Prog. Data Structures	CSC 240
CE 250	--T	--T	ENGR 260A	CE 250	Statics	EGN 201
CE 251	--	--	ME 261	CE 251	Dynamics	EGN 202
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	
--	EE 235	EE 235	ENGR 335	--	Elec. Circuits	
--	EE 225	EE 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 131
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 132
--	--	--	--	GEOL 220	Physical Geology	GEL 150
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MTH 150
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MTH 151
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MTH 152
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MTH 201
--	--T	--T	--	--	Intro. to Linear Algebra	MTH 210
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 203
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 204
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ. Physics III	PHY 205

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

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

³ Third Science Course may be either 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

Moraine Valley Community College 2007-09
College Name/Catalog Date

SIUC 2008-09		Moraine Valley Community College 2007-09
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSC 140 or MIS 160
ET 238	Digital Electronics	ELT 102
ET 245A	Elec. Systems	ELT 101
--T	Processes Lab	
--T	Statics	EGN 201
--T	Dynamics	EGN 202
ET 304A	Electrical Circuits	
CHEM 140A	Chemistry	CHM 111
MATH 111	College Algebra & Trigonometry	MTH (141 + 142)
MATH 150	Calculus I	MTH 150
MATH 250	Calculus II	MTH 151
PHYS 203A + PHYS 253A	College Physics I	PHY 150 or (110 & 111)
PHYS 203B + PHYS 253B	College Physics II	PHY 151 or (112 & 113)

--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

Moraine Valley Community College 2007-09
College Name/Catalog Date

SIUC 2008-09		Moraine Valley Community College 2007-09
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	MDT 115
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	IMS 101
IT 307 or MATH 140	Short Course in Calculus	MTH 145
MATH 111	College Algebra and Trigonometry	MTH (141 + 142)
PHYS 203A + PHYS 253A	College Physics I	PHY 150 or (110 & 111)
PHYS 203B + PHYS 253B	College Physics II	PHY 151 or (112 & 113)
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.