

COLLEGE OF ENGINEERING
ENGINEERING

Southern Illinois University at Carbondale
Course Substitution List

Rock Valley College 2007-09
College Name/Catalog Date

SIUC 2008-09					Rock Valley 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	EGR 135
--	ECE 222	ECE 222	ENGR 222B	--	C++ Programming	CIS 276 ¹
--	or CS 202	or CS 202	ECE 222	--	JAVA Programming	CIS 240 ²
--	CS 220	CS 220	--	--	Prog. Data Structures	CIS 277
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 206
ME 261	--	--	ME 261	ME 261	Dynamics	EGR 207
CE 350A ⁴	--	--	CE 350A ⁴	CE 350A ⁴	Mechanics of Deform. Bodies	EGR 221 ⁴
--	ECE 235	ECE 235	ENGR 335	ENGR 335	Elec. Circuits	EGR 231
--	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 101
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 102
--	--	--	--	GEOL 220	Physical Geology	GEL 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MTH 135
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MTH 235
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MTH 236
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MTH 240
--	--T	--T	--	--	Intro. to Linear Algebra	MTH 250
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHY 215
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHY 225
PHYS 205C + PHYS 255C	PHYS 205C ³ + PHYS 255C	PHYS 205C ³ + PHYS 255C	--	--	Univ Physics III	--

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 Chemistry I **or** Physics III for Electrical and Computer Engineering Majors.

⁴ One Hour of Laboratory in Mechanics of Deformable Bodies will be required at SIUC.

-- Not Required

--T Not Required But Will Count as Technical Elective

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

Rock Valley College 2007-09
College Name/Catalog Date

SIUC 2008-09	Rock Valley College 2007-09	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 276
ET 238	Digital Electronics	EET 135
ET 245A	Elec. Systems	EET 142
--T	Processes Lab	
--T	Statics	EGR 206
--T	Dynamics	EGR 207
ET 304A	Electrical Circuits	EGR 231
CHEM 140A	Chemistry	CHM 100
MATH 111	College Algebra & Trigonometry	MTH (120 + 125) or MTH 132
MATH 150	Calculus I	MTH 135
MATH 250	Calculus II	MTH 235
PHYS 203A + PHYS 253A	College Physics I	PHY 201
PHYS 203B + PHYS 253B	College Physics II	PHY 202

--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

Rock Valley College 2007-09
College Name/Catalog Date

SIUC 2008-09		Rock Valley College 2007-09
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	EGR 135
IT 208	Manufacturing Processes	
IT 270 or CS 200B	Introduction to Business Computing	CIS 102 or 202
IT 307 or MATH 140	Short Course in Calculus	MTH 211
MATH 111	College Algebra and Trigonometry	MTH (120 + 125) or MTH 132
PHYS 203A + PHYS 253A	College Physics I	PHY 201
PHYS 203B + PHYS 253B	College Physics II	PHY 202
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.