

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

Harper College 2007-08
 College Name/Catalog Date

SIUC 2007-08				William Rainey Harper College 2007-08		
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	EGR 120 or EGR 121
	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B		C++ Programming	CIS 166 ¹ or CSC 211
--			--	--	JAVA Programming ²	CIS 168 ² or CSC 214
--	CS 220	--T	--	--	Program with Data Structures	CIS 176 or CSC 122
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 210
CE 251	--	--	ME 261	CE 251	Dynamics	EGR 211
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	EGR 212
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	EGR 260 + EGR 262
--	ECE 225	ECE 225	--	--	Digital Systems	EGR 270
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 121
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 122
--	--	--	--	GEOL 220	Physical Geology	GEO 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MTH 200
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MTH 201
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MTH 202
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MTH 212
--	--T	--	--	--	Intro. to Linear Algebra	MTH 203
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 201
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 202
PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C	PHYS 205C + PHYS 255C		PHYS 205C + PHYS 255C	Univ. Physics III	PHY 203

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

² Electrical and Computer 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

Revised 7/18/07

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

Harper College 2007-08
College Name/Catalog Date

SIUC 2007-08	William Rainey Harper College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CSC 211 or CIS 166
--T	Engineering Drawing I	EGR 120
--T	Engineering Drawing II	
ET 238	Digital Electronics	ELT 203
ET 245A	Elec. Systems	ELT 103
--T	Processes Lab	MNT 105 + 120
--T	Statics	EGR 210
--T	Dynamics	EGR 211
ET 304A	Electrical Circuits	EGR 260 + 262
--T	Strength of Materials	EGR 212 ¹
CHEM 140A	Chemistry	CHM 110
MATH 111	College Algebra & Trigonometry	MTH 103 + 104
MATH 140	Short Course in Calculus	MTH 134
MATH 282	Intro. to Statistics	MTH 165 or 265
PHYS 203A + PHYS 253A	College Physics I	PHY 121
PHYS 203B + PHYS 253B	College Physics II	PHY 122

¹One 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

Harper College 2007-08
College Name/Catalog Date

SIUC 2007-08		William Rainey Harper College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	EGR 120
IT 208	Manufacturing Processes	MNT 105 + 120
IT 270 or CS 200B	Introduction to Business Computing	CIS 106 or 101
IT 307 or MATH 140	Short Course in Calculus	MTH 134
MATH 111	College Algebra and Trigonometry	MTH 103 + 104
PHYS 203A + PHYS 253A	College Physics I	PHY 121
PHYS 203B + PHYS 253B	College Physics II	PHY 122
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.

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