

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University at Carbondale

Course Substitution List

Harry S. Truman College 2000-02

SIUC 2002-03				Harry S. Truman College 2000-02	
Civil Engineering	Electrical or Computer Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	ENGR 102	ENGR 102	Eng. Graphics	ENGR 131
ENGR 222A	--	ENGR 222A	ENGR 222A	Fortran <sup>1</sup> <b>or</b>	ENGR 190 <sup>1</sup>
ECE 222	ECE 222 <b>or</b> CS 202	ECE 222	ECE 222	C Programming <sup>2</sup>	CIS 142 <sup>2</sup>
--	CS 220	--	--	Program with Data Structures	CIS 242
CE 250	--T	CE 250	CE 250	Statics	ENGR 206 <b>or</b> 210 <b>or</b> PHYS 215
CE 251	--	ME 261	CE 251	Dynamics	ENGR 210 <b>or</b> PHYS 216
CE 350A	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	PHYS 217
--	ECE 235	ENGR 335	--	Elec. Circuits	
--	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 201
CHEM 210	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 203
--	--	--	GEOL 220	Physical Geology	GEOL 201
MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 207
MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 208
MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 209
MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 210
--	--T	--	--	Intro. to Linear Algebra	MATH 212
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHYS 235
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHYS 236
PHYS 205C + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--	Univ Physics III	PHYS 237

<sup>1</sup> FORTRAN Programming is Recommended for Civil, Mechanical, and Mining Engineering Majors.

<sup>2</sup> "C" Programming is Recommended for Electrical and Computer Engineering Majors.

<sup>3</sup> 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

Harry S. Truman College 2000-02  
 College Name/Catalog Date

SIUC 2002-03		Harry S. Truman College 2000-02	
Electrical Engineering Technology	Mechanical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222 <b>or</b>	ENGR 222 <b>or</b>	Fortran <b>or</b>	ENGR 190 <b>or</b>
ECE 222	ECE 222	C Programming	CIS 142
--T	ET 103	Engineering Drawing I	ENGR 131
--T	ET 104	Engineering Drawing II	MT 172
ET 238	--T	Digital Electronics	
ET 245A	ET 245A	Elec. Systems	ELECT 202 <b>or</b> 212
--T	ET 209	Processes Lab	
--T	ET 260A	Statics	ENGR 206 <b>or</b> 210 <b>or</b> PHYS 215
--T	ET 260B	Dynamics	ENGR 210 <b>or</b> PHYS 216
ET 304A <sup>1</sup>	--T	Electrical Circuits	
--T	ET 311	Strength of Materials	ENGR 208 <b>or</b> PHYS 217 <sup>1</sup>
CHEM 140A	CHEM 140A	Chemistry	CHEM 121
MATH 111	MATH 111	College Algebra & Trigonometry	MATH (140 + 141)
MATH 140	MATH 140	Short Course in Calculus	MATH 204
MATH 282	MATH 282	Intro. to Statistics	MATH 125
PHYS 203A + PHYS 253A	PHYS 203A + PHYS 253A	College Physics I	PHYS 231 <b>or</b> 221
PHYS 203B + PHYS 253B	PHYS 203B + PHYS 253B	College Physics II	PHYS 232 <b>or</b> 222

<sup>1</sup> One Hour of Laboratory 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

Harry S. Truman College 2000-02  
College Name/Catalog Date

SIUC 2002-03		Harry S. Truman College 2000-02
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	ENGR 131
IT 208	Manufacturing Processes	
IT 270 <b>or</b> CS 200B	Introduction to Business Computing	CIS 103 <b>or</b> 120
IT 307 <b>or</b> MATH 140	Short Course in Calculus	MATH 204
MATH 111	College Algebra and Trigonometry	MATH (140 + 141)
PHYS 203A + PHYS 253A	College Physics I	PHYS 221 <b>or</b> 231
PHYS 203B + PHYS 253B	College Physics II	PHYS 222 <b>or</b> 232
TE	Technical Electives - 30 hours	Up to 30 technical elective hours may be transferred in IT. The technical elective requirement is fulfilled with an A.A.S. Degree.

Revised 7/2/02