

COLLEGE OF ENGINEERING

ENGINEERING

Southern Illinois University Carbondale

Course Substitution List

Triton College 2007-08
College Name/Catalog Date

SIUC 2008-09					Triton 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 103
--	ECE 222 or CS 202	ECE 222 or CS 202	ENGR 222B ¹	--	C++ Programming ¹	CIS 195 ¹ or 121
--			--	--	JAVA Programming ²	
--	CS 220	--	--	--	Prog. Data Structures	CIS 255
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 152 or 154
CE 251	--	--	ME 261	CE 251	Dynamics	EGR 211 or 154
CE 350A ³	--	--	CE 350A ³	CE 350A ³	Mechanics of Deform. Bodies ³	
--	ECE 235 ³	ECE 235 ³	ENGR 335	--	Elec. Circuits	EGR 260
--	ECE 225	ECE 225	--	--	Digital Systems	--
CHEM 200 + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 ⁴ + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHM 140
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 141
--	--	--	--	GEOL 220	Physical Geology	GOL 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 131
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 133
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 135
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 341
--	--T	--T	--	--	Intro. to Linear Algebra	MAT 224
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ. Physics I	PHY 106
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 107
PHYS 205C + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	PHYS 205C ⁴ + PHYS 255C	--	--	Univ. Physics III	PHY 108

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

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

³ One Hour of Laboratory Will Be Required for SIUC.

⁴ Third Science Course may be either Chemistry I **or** Physics III for Electrical and Computer Engineering Majors

-- Not Require

--T Not required but will count as Technical Elective

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

Triton College 2007-08
 College Name/Catalog Date

SIUC 2008-09	Triton College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CIS 195 or CIS 121
--T	Engineering Drawing I	ENT 110, EGR 103
--T	Engineering Drawing II	ENT 252 + (255 or 215)
ET 238	Digital Electronics	ELT 147
ET 245A	Elec. Systems	ELT 115
--T	Processes Lab	MTT 110
--T	Statics	EGR 152 or 154
--T	Dynamics	EGR 211 or 154
ET 304A ¹	Electrical Circuits	EGR 260
--T	Strength of Materials	--
CHEM 140A	Chemistry	CHM 110
MATH 111	College Algebra & Trigonometry	MAT 111 or (110 + 114)
MATH 150	Calculus I	MAT 131
MATH 250	Calculus II	MAT 133
PHYS 203A + PHYS 253A	College Physics I	PHY 101 or ENT 105
PHYS 203B + PHYS 253B	College Physics II	PHY 102

¹ One Hour of ET 492 Laboratory will be Required at SIUC.
 --T Not Required But Will Count as Technical Elective

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

Triton College 2007-08
 College Name/Catalog Date

SIUC 200809		Triton College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	EGR 103 or ENT 110, 215, or 252
IT 208	Manufacturing Processes	MTT 110
IT 270 or CS 200B	Introduction to Business Computing	CIS 101
IT 307 or MATH 140	Short Course in Calculus	MAT 134
MATH 111	College Algebra and Trigonometry	MAT 111 or (110 + 114)
PHYS 203A + PHYS 253A	College Physics I	PHY 101 or ENT 105
PHYS 203B + PHYS 253B	College Physics II	PHY 102
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.
IT 110	Geometric Tolerancing	ENT 126
IT 258	Work Experience Credit	ENT 290