

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

Lewis & Clark Community College 2007-08  
 College Name/Catalog Date

SIUC 2008-2009					Lewis & Clark Community 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	DRFT 131 <b>or</b> 142
--	ECE 222 <b>or</b> CS 202	ECE 222 <b>or</b> CS 202	ENGR 222B	--	"C" Programming <sup>1</sup>	CIS 235 <b>or</b> 236 <b>or</b> CSEN 181
ECE 222			ECE 222	ECE 222	JAVA Programming <sup>2</sup>	--
--	CS 220	--T	--	--	Prog. with Data Structures	CIS 236
CE 250	CE 250	CE 250	CE 250	CE 250	Statics	PHYS 241
ME 261	--	--	ME 261	ME 261	Dynamics	PHYS 242
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	PHYS 245 <sup>4</sup>
ENGR 300	--T	--T	ENGR 300	--T	Thermodynamics	PHYS 246
--	ECE 235 <sup>5</sup>	ECE 235 <sup>5</sup>	ENGR 335	ENGR 335	Elec. Circuits	ELTN 210
--	ECE 225	ECE 225	--	--	Digital Systems	
CHEM 200 + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 <sup>3</sup> + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHEM 141
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHEM 142
--	--	--	--	GEOL 220	Physical Geology	
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MATH 171
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MATH 172
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MATH 271
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MATH 272
--	--T	--T	--	--	Intro. to Linear Algebra	
PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	PHYS 205A + PHYS 255A	Univ Physics I	PHYS 141
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ Physics II	PHYS 142
PHYS 205C + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	PHYS 205C <sup>3</sup> + PHYS 255C	--	--	Univ Physics III	PHYS 244

<sup>1</sup> "C" Programming is Recommended for Mechanical Engineering Majors.

<sup>2</sup> Electrical and Computer Engineering Majors may take either C or JAVA Programming.

<sup>3</sup> Third Science Course may be either Chemistry I **or** Physics III for Electrical and Computer Engineering Majors

<sup>4</sup> One Hour of Laboratory will be required in Mechanics of Deformable Bodies

<sup>5</sup> One Hour of Laboratory will be required in Electrical Circuits

-- Not Required

--T Not Required But Will Count as Technical Elective

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

Lewis & Clark Community College 2007-08  
 College Name/Catalog Date

SIUC 2008-2009	Lewis & Clark Community College 2007-08	
Electrical Engineering Technology	Course Title	Course Substitute(s)
ENGR 222B	"C" Programming	CIS 235 <b>or</b> 236 <b>or</b> CSEN 181
ET 238	Digital Electronics	ELTN 144
ET 245A	Elec. Systems	ELTN 131
--T	Processes Lab	
--T	Statics	PHYS 241
--T	Dynamics	PHYS 242
ET 304A <sup>1</sup>	Electrical Circuits	ELTN 210
--T	Strength of Materials	
CHEM 140A	Chemistry	CHEM 131
MATH 111	College Algebra & Trigonometry	MATH 134 <b>or</b> (131 + 132)
MATH 150	Calculus I	MATH 171
MATH 250	Calculus II	MATH 172
PHYS 203A + PHYS 253A	College Physics I	PHYS 131 <b>or</b> 125
PHYS 203B + PHYS 253B	College Physics II	PHYS 132 <b>or</b> 126

<sup>1</sup> One Hour of Laboratory will be required in Electrical Circuits

--T Not Required But Will Count as Technical Elective

Revised 12/13/2007

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

Lewis & Clark College 2007-08  
College Name/Catalog Date

SIUC 2008-2009		Lewis & Clark College 2007-08
Industrial Technology	Course Title	Course Substitute(s)
IT 110	Geometric Dimensioning & Tolerancing	
IT 208	Manufacturing Processes	
IT 270 <b>or</b> CS 200B	Introduction to Business Computing	CIS 130
IT 307 <b>or</b> MATH 140	Short Course in Calculus	MATH 165
MATH 111	College Algebra and Trigonometry	MATH 134 <b>or</b> (131 + 132)
PHYS 203A + PHYS 253A	College Physics I	PHYS 131 <b>or</b> 125
PHYS 203B + PHYS 253B	College Physics II	PHYS 132 <b>or</b> 126
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.