

COLLEGE OF ENGINEERING  
ENGINEERING

Southern Illinois University at Carbondale  
 Course Substitution List

Morton College 2004-05  
 College Name/Catalog Date

SIUC 2005-06					Morton College 2004-05	
Civil Engineering	Computer Engineering	Electrical Engineering	Mechanical Engineering	Mining Engineering	Course Title	Course Substitute(s)
ENGR 102	--	--	ENGR 102	ENGR 102	Eng. Graphics	EGR 110
--	--		ENGR 222B	--	C++ Programming	CPS 200 <sup>1</sup> <b>or</b> CIS 214
--	ECE 222	ECE 222	--	--	JAVA Programming <sup>2</sup>	
--	CS 220	--T	--	--	Prog. Data Structures	
CE 250	--T	--T	CE 250	CE 250	Statics	EGR 120
CE 251	--	--	ME 261	CE 251	Dynamics	EGR 121
CE 350A	--	--	CE 350A	CE 350A	Mechanics of Deform. Bodies	EGR 221 <sup>3</sup>
--	ECE 235	ECE 235	ENGR 335	--	Elec. Circuits	EGR 260 <sup>4</sup>
--	ECE 225	ECE 225	--	--	Digital Systems	EGR 265 <sup>5</sup>
CHEM 200 + CHEM 201	CHEM 200 <sup>6</sup> + CHEM 201	CHEM 200 <sup>6</sup> + CHEM 201	CHEM 200 + CHEM 201	CHEM 200 + CHEM 201	Intro. Chem. Principles	CHM 105
CHEM 210	--T	--T	CHEM 210	CHEM 210	General & Inorganic Chem.	CHM 106
--	--	--	--	GEOL 220	Physical Geology	GEL 101
MATH 150	MATH 150	MATH 150	MATH 150	MATH 150	Calculus I	MAT 201
MATH 250	MATH 250	MATH 250	MATH 250	MATH 250	Calculus II	MAT 202
MATH 251	MATH 251	MATH 251	MATH 251	MATH 251	Calculus III	MAT 203
MATH 305	MATH 305	MATH 305	MATH 305	MATH 305	Diff. Equations	MAT 215
--	--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	PHY 105
PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	PHYS 205B + PHYS 255B	Univ. Physics II	PHY 205
PHYS 205C + PHYS 255C	PHYS 205C <sup>6</sup> + PHYS 255C	PHYS 205C <sup>6</sup> + PHYS 255C	--	--	Univ. Physics III	PHY 206

<sup>1</sup> C++ Programming is recommended for Mechanical Engineering Majors.

<sup>2</sup> JAVA Programming is recommended for Electrical Engineering and Computer Engineering Majors.

<sup>3</sup> One hour of laboratory in Mechanics of Deformable Bodies will be required at SIUC.

<sup>4</sup> One hour of laboratory in Electric Circuits will be required at SIUC.

<sup>5</sup> One hour of laboratory in Digital Systems will be required at SIUC.

<sup>6</sup> Third science course may be 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

Morton College 2004-05  
 College Name/Catalog Date

SIUC 2005-06	Morton College 2004-05	
	Course Title	Course Substitute(s)
ENGR 222B	C++ Programming	CPS 200 <b>or</b> CIS 214
--T	Engineering Drawing I	(EGR 110 + CAD 100) <b>or</b> (CAD 100 + 101)
--T	Engineering Drawing II	
ET 238	Digital Electronics	--
ET 245A	Elec. Systems	--
--T	Processes Lab	--
--T	Statics	EGR 120
--T	Dynamics	EGR 121
ET 304A	Electrical Circuits	EGR 260 <sup>1</sup>
--T	Strength of Materials	EGR 221 <sup>2</sup>
CHEM 140A	Chemistry	CHM 100 <b>or</b> 105
MATH 108 + 109	College Algebra & Trigonometry	MAT 105 + 110
MATH 140	Short Course in Calculus	MAT 224
MATH 282	Intro to Statistics	MAT 141
PHYS 203A + PHYS 253A	College Physics I	PHY 101 <b>or</b> 106
PHYS 203B + PHYS 253B	College Physics II	PHY 102 <b>or</b> 107

<sup>1</sup> One hour of laboratory in Electric Circuits will be required at SIUC.

<sup>2</sup> 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

Revised 10/28/05

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

Morton College 2004-05  
College Name/Catalog Date

SIUC 2005-06		Morton College 2004-05
Industrial Technology	Course Title	Course Substitute(s)
IT 105	Computer-Aided Drafting	EGR 110 <b>or</b> CAD 101
IT 208	Manufacturing Processes	--
IT 270 <b>or</b> CS 200B	Introduction to Business Computing	CPS 111
IT 307 <b>or</b> MATH 140	Short Course in Calculus	MAT 224
MATH 111	College Algebra and Trigonometry	MAT 105 + 110
PHYS 203A + PHYS 253A	College Physics I	PHY 101 <b>or</b> 106
PHYS 203B + PHYS 253B	College Physics II	PHY 102 <b>or</b> 107
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.