

INDUSTRIAL AND SYSTEMS ENGINEERING

Program Transfer Plan for <i>SUNY Adirondack CC</i> students who wish to transfer to URI's Bachelor of Science (B.S.) degree program in Industrial and Systems Engineering			
From: <i>SUNY Adirondack A. S. Engineering Science</i>		To: <i>URI B.S. Industrial and Systems Engineering</i>	
CONCENTRATION FOR TRANSFERRING TO URI (Mathematics, Science, and Engineering Courses)		MATHEMATICS, SCIENCE, and ENGINEERING	
MATHEMATICS		MATHEMATICS	
MAT 131	Calculus I (4)	MTH 141	Introduction to Calculus (4) [GE-MQ]
MAT 132	Calculus II (4)	MTH 142	Intermediate Calculus (4) [GE-MQ]
MAT 231	Calculus III (4)	MTH 243	Multivariable Calculus (3) + MTH 2XX Elective (1)
MAT 232	Differential Equations & Series (3)	MTH 244	Differential Equations (3)
SCIENCE		SCIENCE	
CHM 111	General Chemistry I (4)	CHM 101	General Chemistry I (3) + [GE-N]
EGR 105	Engineering Physics I (4)	CHM 102	General Chemistry I Lab (1) + CHM 1XX Elective (1)
EGR 106	Engineering Physics II (4)	PHY 203	Elementary Physics I (3) + [GE-N]
EGR 204	Engineering Physics III (4)	PHY 273	Elementary Physics I Lab (1) [GE-N]
		PHY 205	Elementary Physics III (3) + [GE-N]
		PHY 275	Elementary Physics III Lab (1) [GE-N]
		PHY 204	Elementary Physics II (3) + [GE-N]
		PHY 274	Elementary Physics II Lab (1) [GE-N]
ENGINEERING		ENGINEERING	
EGR 211	Introduction of Material Science (3)	CHE 333	Engineering Materials (3)
EGR 209	Mechanics II - Mechanics of Materials (3)	CVE 220	Mechanics of Materials (3)
EGR 180	Introduction to Engineering Design (3)	EGR 105	Foundations of Engineering I (1) + EGR 1XX Elective (2)
	No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution]	EGR 106	Foundations of Engineering II (2)
EGR 222	Circuit Analysis (4) + 1 credit from EGR 180	ELE 212	Linear Circuit Theory (3) +
	No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution]	ELE 215	Linear Circuit Lab (2)
EGR 109	Engineering Graphics (3)	ISE 325	Computer Tools for Engineers (3)
EGR 207	Mechanics I - Statics (3)	MCE 201	Engineering Graphics (3)
EGR 208	Dynamics (3)	MCE 262	Statics (3)
		MCE 263	Dynamics (3)
GENERAL EDUCATION		GENERAL EDUCATION	
LIBERAL ARTS		ENGLISH COMMUNICATION	
ENGL 101	Introduction to College Writing (3)	WRT 104	Writing to Inform and Explain (3) [GE-ECw]
◆ENGL 110	Elements of Technical Writing (3)	WRT 333	Scientific and Technical Writing (3) [GE-ECw]
HUMANITIES		LETTERS	
PHI 202	Ethics (3) [Required for URI Industrial and Systems Engineering]	PHL 212	Ethics (3) [GE-L]
SOCIAL SCIENCE		SOCIAL SCIENCE	
ECO 202	Principles of Microeconomics (3) [Required for All Engineering at URI]	ECN 201	Principles of Economics: Microeconomics (3) [GE-S]

◆Indicates a recommended course.

GEV (URI) / KSM (SUNY ACC) - 05/07/14