

# CHEMICAL 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 Chemical Engineering			
From: <i>SUNY Adirondack A. S. Engineering Science</i>		To: URI <i>B.S. Chemical 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 (3)	MTH 244	Differential Equations (3)
SCIENCE		SCIENCE	
CHM 111	General Chemistry I (4)	CHM 101	General Chemistry I (3) + [GE-N]
CHM 112	General Chemistry II (4)	CHM 102	General Chemistry I Lab (1)
CHM 203	Organic Chemistry I (3)	CHM 112	General Chemistry II (3) + [GE-N]
CHM 204	Organic Chemistry II (3)	CHM 114	General Chemistry II Lab (1)
EGR 105	Engineering Physics I (4)	CHM 227	Organic Chemistry I (3) +
EGR 204	Engineering Physics III (4)	CHM 229	Organic Chemistry I Lab (1)
		CHM 228	Organic Chemistry II (3) +
		CHM 230	Organic Chemistry II Lab (1)
		PHY 203	Elementary Physics I (3) + [GE-N]
		PHY 273	Elementary Physics I Lab (1) [GE-N]
		PHY 204	Elementary Physics II (3) + [GE-N]
		PHY 274	Elementary Physics II Lab (1) [GE-N]
ENGINEERING		ENGINEERING	
<b>No Equivalency</b> [Take This Course at URI or Approved Equivalent Course at Another Institution]		<b>CHE 212</b>	<b>Chemical Process Calculations (3)</b>
<b>No Equivalency</b> [Take This Course at URI or Approved Equivalent Course at Another Institution]		<b>CHE 272</b>	<b>Introduction to Chemical Engineering Calculations (3)</b>
<b>No Equivalency</b> [Take This Course at URI or Approved Equivalent Course at Another Institution]		<b>CHE 313</b>	<b>Chemical Engineering Thermodynamics I (3)</b>
EGR 211	Introduction to Material Science (3)	<b>CHE 332</b>	<b>Physical Metallurgy (3)</b>
EGR 180	Introduction to Engineering Design (3)	EGR 105	Foundations of Engineering I (1) + EGR 1XX Elective (2)
<b>No Equivalency</b> [Take This Course at URI or Approved Equivalent Course at Another Institution]		<b>EGR 106</b>	<b>Foundations of Engineering II (2)</b>
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)	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