

CHEMICAL ENGINEERING – BIOLOGY or PHARMACEUTICAL TRACK

| 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 | | | |
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| From: <i>SUNY Adirondack A. S. Engineering Science</i> | | To: URI <i>B.S. Chemical Engineering (BIO and PHARM TRACKS)</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 | |
| BIO 103 | General Biology (4) | BIO 101 | Principles of Biology I (3) + [GE-N] |
| BIO 113 | Microbiology (4) | BIO 103 | Principles of Biology I Lab (1) [GE-N] |
| CHM 111 | General Chemistry I (4) | MIC 211 | Introduction to Microbiology (4) |
| CHM 112 | General Chemistry II (4) | CHM 101 | General Chemistry I (3) + [GE-N] |
| CHM 203 | Organic Chemistry I (3) | CHM 102 | General Chemistry I Lab (1) |
| CHM 204 | Organic Chemistry II (3) | CHM 112 | General Chemistry I (3) + [GE-N] |
| EGR 105 | Engineering Physics I (4) | CHM 114 | General Chemistry I Lab (1) |
| EGR 204 | Engineering Physics III (4) | CHM 227 | Organic Chemistry I (3) + |
| | | 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 | |
| No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution] | | CHE 212 | Chemical Process Calculations (3) |
| No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution] | | CHE 272 | Introduction to Chemical Engineering Calculations (3) |
| No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution] | | CHE 313 | Chemical Engineering Thermodynamics I (3) |
| EGR 211 | Introduction to Material Science (3) | CHE 332 | Physical Metallurgy (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) |
| 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