

# MECHANICAL ENGINEERING

| Program Transfer Plan for <i>SUNY Adirondack</i> CC students who wish to transfer to URI's Bachelor of Science (B.S.) degree program in Mechanical Engineering |                                                                        |                                                      |                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|
| From: <i>SUNY Adirondack</i><br><i>A. S. Engineering Science</i>                                                                                               |                                                                        | To: <i>URI</i><br><i>B.S. Mechanical Engineering</i> |                                                         |
| CONCENTRATION FOR TRANSFERRING TO URI<br>(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) + MTH 2XX Elective (1)       |
| SCIENCE                                                                                                                                                        |                                                                        | SCIENCE                                              |                                                         |
| CHEM 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)                             |
| 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) |
| <b>No Equivalency [Take This Course at URI or Approved Equivalent Course at Another Institution]</b>                                                           |                                                                        | <b>EGR 106</b>                                       | <b>Foundations of Engineering II (2)</b>                |
| EGR 222                                                                                                                                                        | Circuit Analysis (4) + 1 credit from EGR 180                           | ELE 212                                              | Linear Circuit Theory (3) +                             |
| EGR 109                                                                                                                                                        | Engineering Graphics (3)                                               | ELE 215                                              | Linear Circuit Lab (2)                                  |
| 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)                                                             | 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