

| Mohawk Valley Community College<br>LAS: Mathematics & Science – General Science |  |             |                  |                 | University at Albany<br>Environmental Science B.S. (Combined Major/Minor) |  |             |                  |                  |
|---|--|-------------|------------------|-----------------|---|--|-------------|------------------|------------------|
| Course #  | Course Title   | SUNY Gen Ed | Major or Pathway | Credits Granted | Course #  | Equivalent Course Title  | SUNY Gen Ed | Major or Pathway | Credits Accepted |
| CF100   | College Foundations Seminar (1)                                |             |                  | 1               | QNCRE00   | No Credit Given at UAlbany                                       |             |                  | 0                |
| EN101   | English 1: Composition   | X           |                  | 3               | ANEG 100Z   | Introduction to Analytical Writing                               | X           |                  | 3                |
| BI 141  | General Biology I  | X           | X                | 4               | ABIO 131/202  | General Biology: Ecology, Evolution, and Physiology/Lab          | X           | X                | 4                |
| MA125   | College Algebra & Trigonometry                                 | X           |                  | 4               | AMATE10   | 100-Level Mathematics Elective                                   | X           |                  | 4                |
| HI101   | History of Civilization 1                                      | X           |                  | 3               | AHISE10WD   | 100-Level History Elective                                       | X           |                  | 3                |
|   | Physical Education   |             |                  | .5              |   | General Elective Credit  |             |                  | .5               |
| EN102   | English 2: Ideas & Values in Literature                        | X           |                  | 3               | AENG 121  | Reading Literature   | X           |                  | 3                |
| BI 142  | General Biology II   | X           | X                | 4               | ABIO 130/201  | General Biology: Molecular, Cell Biology, and Genetics/Lab       | X           | X                | 4                |
| CH141   | General Chemistry 1  | X           | X                | 4               | ACHM 120/124  | General Chemistry I/Lab  | X           | X                | 4                |
| MA151   | Calculus 1 (Suggested Mathematics Elective) (2)                | X           |                  | 4               | AMAT 112  | Calculus I   | X           | X                | 4                |
|   | Physical Education   |             |                  | .5              |   | General Elective Credit  |             |                  | .5               |
| CH 142  | General Chemistry II   | X           | X                | 4               | ACHM 121/125  | General Chemistry II/Lab   | X           | X                | 4                |
| BI 105  | Environmental Science (Suggested Natural Science Elective) (2) | X           | X                | 4               | AENV 105/106  | Introduction to Environmental Science/Lab                        | X           | X                | 4                |
| BI202   | Ecology (Suggested Natural Science Elective) (2)               | X           | X                | 4               | ABIO 330  | Principles of Ecology and Evolution                              | X           | X                | 4                |
|   | Social Science Elective (C)                                    |             |                  | 3               |   | SUNY Gen Ed Social Science Elective                              | X           |                  | 3                |
|   | Physical Education   |             |                  | .5              |   | General Elective Credit  |             |                  | .5               |
| IS101   | Computers and Society  | X           |                  | 3               | BITME00   | Information Technology Elective – no credit given in major/minor | X           |                  | 3                |
|   | History Elective (D)   | X           |                  | 3               |   | SUNY Gen Ed History Elective                                     | X           |                  | 3                |
| PH261   | Engineering Physics 1 (Suggested Natural Science Elective) (2) | X           | X                | 4               | APHY 140/145  | Physics I: Mechanics/Lab   | X           | X                | 4                |
|   | Social Science Elective (C)                                    | X           |                  | 3               |   | SUNY Gen Ed Social Science Elective                              | X           |                  | 3                |
|   | Restricted Elective (E)  |             |                  | 3 – 4           |   | General Elective Credit  |             |                  | 3-4              |
|   | Physical Education   |             |                  | .5              |   | General Elective Credit  |             |                  | .5               |
|   |  |             |                  |                 | Total Credits Eligible for Transfer                                       |  |             |                  |                  |
|   |  |             |                  |                 | Additional Required and Elective Courses for the Major at UAlbany         |  |             |                  |                  |
|   |  |             |                  |                 | Challenges of the 21 <sup>st</sup> Century                                |  |             |                  |                  |
|   |  |             |                  |                 | AATM 210 Atmospheric Structure, Thermodynamics, and Circulation           |  |             |                  |                  |
|   |  |             |                  |                 | AATM/AENV 315 Environmental Statistics and Computation                    |  |             |                  |                  |
|   |  |             |                  |                 | AATM 327 Meteorological and Environmental Measurement                     |  |             |                  |                  |
|   |  |             |                  |                 | AENV 302 Ocean Science  |  |             |                  |                  |
|   |  |             |                  |                 | AENV 490 Major Topics in Environmental Science                            |  |             |                  |                  |
|   |  |             |                  |                 | AGEO 221 Understanding the Earth  |  |             |                  |                  |
|   |  |             |                  |                 | Elective Credits Required for Degree Completion                           |  |             |                  |                  |
|   |  |             |                  |                 | Environmental Science Specialization (3)                                  |  |             |                  |                  |
| Total credits required for degree completion at MVCC                            |  |             |                  |                 | 63-64   |  |             |                  |                  |
|   |  |             |                  |                 | Total Credits required at UAlbany   |  |             |                  |                  |
|   |  |             |                  |                 | Total Credits Applied to Program  |  |             |                  |                  |
|   |  |             |                  |                 | Total Credits Required for Degree   |  |             |                  |                  |

(A) Mathematics Elective (choose one): MA 110 or MA 150

(C) Social Science Elective (choose two): AN101, BM101, GE101, PS101, PY101, or SO101

(D) History Elective (choose one): HI 111 or HI 112

(E) Restricted Elective (choose one): EN 150, EN 153, or MA 115

(1) The University at Albany does not accept transfer credit for College Foundations Seminar courses.

(2) This course is suggested because it meets a requirement for the major at UAlbany upon transfer.

(3) Students must select one of the following Environmental Specializations: Ecosystems Specialization, Climate Change Specialization, Geography Specialization, or Sustainability Science and Policy Specialization.

A transfer student admitted to the University at Albany who has completed his/her A.A. or A.S. degree will be given credit for meeting SUNY's General Education requirements.