

| Dutchess Community College Liberal Arts and Sciences – Science A.S. | | | | | University at Albany Chemistry 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 |
| BHS 103 | Social Problems in Today's World | X | | 3 | ASOC 180 | Social Problems | X | | 3 |
| CHE 121 | General Chemistry I(Suggested Science Elective) (1) | X | X | 4 | ACHM 120/124 | General Chemistry I/Lab | X | X | 4 |
| CHE 122 | General Chemistry II (Suggested Science Elective) (1) | X | X | 4 | ACHM 121/125 | General Chemistry II/Lab | X | X | 4 |
| CHE 231 | Organic Chemistry I (Suggested Science Elective) (1) | X | X | 4 | ACHM 220/222 | Organic Chemistry I/Lab | X | X | 4 |
| CHE 232 | Organic Chemistry II (Suggested Science Elective) (1) | X | X | 4 | ACHM 221/223 | Organic Chemistry II/Lab | X | X | 4 |
| ENG 101 | English Composition | X | | 3 | AENG 100Z | Introduction to Analytical Writing | X | | 3 |
| ENG 102 | English Composition II | X | | 3 | AENG 010Z | English Elective | X | | 3 |
| MAT 221 | Calculus I (Suggested Math) (1) | X | X | 4 | AMAT 112 | Calculus I | X | X | 4 |
| MAT 222 | Calculus II (Suggested Elective) (1) | X | X | 4 | AMAT 113 | Calculus II | X | X | 4 |
| MAT 223 | Calculus III (Suggested Elective) (1) | X | X | 4 | AMAT 214 | Calculus of Several Variables | X | X | 4 |
| PHY 151 | Engineering Physics I (Suggested Elective) (1) | X | X | 4 | APHY 140/145 | Physics I: Mechanics/Lab | X | X | 4 |
| PHY 152 | Engineering Physics II (Suggested Elective) (1) | X | X | 4 | APHY 150/155 | Physics II: Electromagnetism/Lab | X | X | 4 |
| SCI 100 | Science Introductory Seminar | | | 1 | NOCR | No Credit Transferred | | | 0 |
| WFE 101 | Lifetime Wellness and Fitness | | | 3 | DPEC 030 | Physical Education Elective | | | 3 |
| | American History | X | | 3 | | History Elective | X | | 3 |
| | Electives/Free Electives | | | 3 | | General Electives | | | 3 |
| | General Education Elective (2) | X | | 3 | | General Education Elective | X | | 3 |
| | Humanities (3) | X | | 3 | | Humanities Elective | X | | 3 |
| | Social Science (4) | | | 3 | | Social Science Elective | | | 3 |
| | | | | | Total Credits Eligible for Transfer | | | | |
| | | | | | Additional Required and Elective Courses for the Major at UAlbany | | | | |
| | | | | | | Challenges of the 21 st Century | X | X | 3 |
| | | | | | ACHM 226/227 | Quantitative Analysis/Lab | | X | 4 |
| | | | | | ACHM 342 or ACHM 442 | Introduction to Biochemistry Comprehensive Biochemistry I | | X | 3 |
| | | | | | ACHM 350 | Physical Chemistry I | | X | 3 |
| | | | | | ACHM 351 | Physical Chemistry II | | X | 3 |
| | | | | | ACHM 352Z | Physical Chemistry Lab | | X | 3 |
| | | | | | ACHM 417 | Advanced Synthesis Lab | | X | 3 |
| | | | | | ACHM 420 | Inorganic Chemistry I | | X | 3 |
| | | | | | | Advanced Chemistry Lab (5) | | X | 3 |
| | | | | | | Advanced Chemistry Elective (6) | | X | 3 |
| | | | | | APHY 240 | Physics III: Structure of Matter | | X | 4 |
| | | | | | | Elective Credits Required for Degree Completion | | X | 22 |
| Total credits required for degree completion at SUNY Dutchess | | | | | Total Credits Required at UAlbany | | | | |
| 64 | | | | | 57 | | | | |
| | | | | | Total Transfer Credits Applied to Program | | | | |
| | | | | | 63 | | | | |
| | | | | | Total Credits Required for Degree | | | | |
| | | | | | 120 | | | | |

- (1) This course is suggested because it meets a requirement for the major at UAlbany upon transfer.
- (2) General Education electives should be selected from courses listed in General Education Appendices D, E, F, and I. Students may select a course from Appendix D only if HIS 104 has not been previously taken. Students may select from Appendix F only if HIS 108 has not been previously taken.
- (3) Humanities courses should be selected from the applicable area of the General Education Appendices. Students may not use ENG 102 to satisfy this requirement.
- (4) Social Science courses should be selected from one of the applicable areas: behavioral science, economics, geography, government, history, HE 101, or psychology. Students may not use BHS 103 to satisfy this requirement.
- (5) Choose one of the following Advanced Chemistry Labs: ACHM 344, ACHM 426, ACHM 429 and ACHM 431.
- (6) Three credits of Advanced Chemistry in courses other than: ACHM 424, ACHM 425, ACHM 426, ACHM 444, or ACHM 445.

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.