**YEAR: 2026-2027**

# SUNY SCHENECTADY

CURRICULUM WORKSHEET

PROGRAM: **SCIENCE (A.S.): BIOLOGY CONCENTRATION**

HEGIS # 5649 Program Code #96B Program Entry Date:

Student Name: Former College(s) Attended:

ID Number:

| PROGRAM REQUIREMENTS | CR | SUNY GENERAL EDUCATION CATEGORY | SATISFIES LIBERAL ARTS AND SCIENCE |
|---|---|---|---|
| BIO 141 Biology I | 4 | Natural Sciences and Scientific Reasoning | Yes |
| BIO 142 Biology II | 4 | Natural Sciences and Scientific Reasoning | Yes |
| CHM 121 General Chemistry I | 4 | Natural Sciences and Scientific Reasoning | Yes |
| CHM 122 General Chemistry II | 4 | Natural Sciences and Scientific Reasoning | Yes |
| CHM 228 Organic Chemistry I | 5 | | Yes |
| CHM 229 Organic Chemistry II | 5 | | Yes |
| ENG 123 College Composition | 3 | Communication: Written and Oral; Critical Thinking and Reasoning | Yes |
| ENG 124 Literature and Writing | 3 | Humanities; Information Literacy | Yes |
| FYS 100 First Year Seminar | 1 | | |
| PHY 221 Introduction to Mechanics | 4 | Natural Sciences and Scientific Reasoning | Yes |
| MAT 147 Statistics | 3 | Mathematics and Quantitative Reasoning | Yes |
| MAT 180 Calculus I | 4 | Mathematics and Quantitative Reasoning | Yes |
| PSY 121 Introduction to Psychology | 3 | Social Sciences | Yes |
| World Languages or The Arts SUNY General Education Elective | 3 | World Languages or The Arts | |
| Restricted Biology Electives (a) | 9-12 | | Yes |
| CIV 100 Foundations of a Free Society | 3 | Diversity: Equity, Inclusion, Social Justice and Civic Discourse | Yes |
| | | | |
| Minimum Credit Hours | 62 | | |
| | | Total Gen Ed Credits 42 | Total # of Liberal Arts and Sciences Credits 60 |
| | | Total # of Gen Ed Categories 7 | |

Additional Comments: Please refer to the footnotes on the reverse side.

Reviewed by_____

Date _____

**SCIENCE: BIOLOGY CONCENTRATION**

**ASSOCIATE IN SCIENCE**

FIRST YEAR

| Fall Semester | | | CR |
|---|---|---|---|
| BIO | 141 | Biology I | 4 |
| CHM | 121 | General Chemistry I | 4 |
| ENG | 123 | College Composition | 3 |
| FYS | 100 | First Year Seminar | 1 |
| CIV | 100 | Foundations of Free Society | 3 |
| | | | 15 |

| Spring Semester | | | CR |
|---|---|---|---|
| ENG | 124 | Literature and Writing | 3 |
| BIO | 142 | Biology II | 4 |
| CHM | 122 | General Chemistry II | 4 |
| MAT | 180 | Calculus I | 4 |
| | | | 15 |

SECOND YEAR

| Fall Semester | | | CR |
|---|---|---|---|
| CHM | 228 | Organic Chemistry I | 5 |
| PHY | 221 | Intro to Mechanics | 4 |
| PSY | 121 | Introduction to Psychology | 3 |
| Restricted Biology Elective (a) | | | 3-4 |
| | | | 15-16 |

| Spring Semester | | | CR |
|---|---|---|---|
| CHM | 229 | Organic Chemistry II | 5 |
| MAT | 147 | Statistics | 3 |
| Restricted Biology Elective (a) | | | 3-4 |
| Restricted Biology Elective (a) | | | 3-4 |
| World Languages or The Arts SUNY General Education Elective | | | 3 |
| | | | 17-19 |

Minimum Credit Hours required for degree: **63**

**NOTES:**

(a) Restricted Biology Elective to be chosen from BIO 203, BIO 241, BIO 261, BIO 262 with or without BIO 264*, BIO 273, BIO 274

*Without BIO 264, BIO 262 may not transfer to a 4-year institution. Electives should be chosen in conjunction with the student's academic advisor based upon career goals, transfer/articulation, and interest.

Rev: 2/28/2023