CURRICULUM CHECK SHEET
Requirements for Graduation
A. A. S. DEGREE

Name:
ID Total Transfer Credits

FALL 2022


## NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisors each semester to discuss and approve their selection of courses before they register.
Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses.
If you need the name of your academic advisor, please contact the Biology/Chemistry Department, 973-3285360.

Although the A.A.S. degree is a careeroriented program, selected four-year institutions may provide graduates of this program opportunity for transfer. For more information, contact the Transfer Coordinator and/or your academic advisor.

To determine the transferability of your courses to participating NJ Colleges \& Universities, visit the NJ Transfer site at www.njtransfer.org.

Science courses completed by students prior to entering the program must be less than seven years old. If the science courses exceed the seven-year limit, students must prove their competency by testing, or they must retake the courses.
+CHM 231/232 Organic Chemistry may be substituted.
++ PHY 125/126 General Physics I may be substituted.

Note: All developmental Math and English courses (including ESL) must be completed before enrolling in the core science courses.
*See back page for more information

## CHEMICAL TECHNOLOGY

\#3450

## Suggested Sequence by Semester

This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.

| SEMESTER I |  | CREDITS | SEMESTER II | CREDITS |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| English Composition I | ENG 111 | 3 | English Composition II | ENG 112 | 3 |
| General Chemistry I Lecture | CHM 125 | 3 | General Chemistry II Lecture | CHM 127 | 3 |
| General Chemistry I Lab | CHM 126 | 1 | General Chemistry II Lab | CHM 128 | 1 |
| Statistics | MAT 124 | 3 | General Biology II | BIO 122 | 4 |
| General Biology I | BIO 121 | $\underline{4}$ | General Education Elective | 3 |  |
|  |  |  | Social Science/Humanities Elective |  |  |
|  | TOTAL | 14 |  | TOTAL | 17 |
|  |  |  |  |  |  |
| SEMESTER III |  |  | SEMESTER IV |  |  |
| Essentials of Organic Chemistry | CHM 210 | 4 | Analytical Chemistry - Instrumental | CHM 218 | 4 |
| Concepts of Physics | PHY 103 | 4 | Analysis |  |  |
| General Education Elective |  | 3 | Technical Electives | 7 |  |
| Technical Elective |  | 4 | General Education Elective |  |  |
|  |  |  |  |  | TOTAL |

TECHNOLOGY LITERACY: If you do not pass the Technology Literacy Competency exam, you must take a course to satisfy the Technology Literacy requirement. You may use a general education elective to fill this requirement from the list of Technological Competency/Information Literacy.

GENERAL EDUCATION ELECTIVES: Please select any courses from the approved list of General Education courses. Students who plan to transfer to a B.A. (Bachelor of Arts) degree program should take COM 109, Speech Fundamentals since this is required for B.A. degrees. Click here for the most recent General Education course list.

SOCIAL SCIENCE OR HUMANITIES: See attached General Education course list for Humanities or Social Science choices.

## TECHNICAL ELECTIVES:

BIO 118 Biomedical Ethics
BIO 202 Ecology
BIO 215 Microbiology
BIO 223 Cell and Molecular Biology (Fall)
CHM 212 Biochemistry
CHM 229 Internship Work Experience (3 CR)
CHM 230 Internship Work Experience (2 CR)
CHM 236 Internship Work Experience (1 CR)
CHM 235 Independent Study in Chemistry

BIO 201 Genetics
CHM 233/234 Organic Chemistry II Lecture/Lab
CMP 135 Computer Concepts with Applications - satisfies the
Technology Literacy requirements.
MAT 110 College Algebra
MAT 123 Precalculus
PHY 127/128 General Physics II

HONORS COURSES: BIO 121, BIO 122 and BIO 202 offer selected sections with an honors option. Consult with your Academic Advisor for more information.

