COUNTY COLLEGE OF MORRIS CURRICULUM CHECK SHEET Requirements for Graduation
A. S. DEGREE

## \#2152 - TECHM TEACHER EDUCATION CHEMISTRY

FALL 2024


## NOTES:

This is an unofficial document and should be used for academic planning purposes only.

All Teacher Education students are required to see their Academic Track Advisor or Teacher Education Advisor 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.
Your Chemistry Advisor is: Dr. John Berger, jberger@ccm.edu, SH 207, 973-328-5731.

Teacher Education Advisor, Prof. Diana Aria, daria@ccm.edu, DH 323, 973-328-5601 or call 973-328-5631.

Students pursuing a bachelor's degree in Education need a minimum GPA of 3.0 to satisfy NJ Department of Education requirements. To determine the transferability of your courses to participating NJ Colleges \& Universities visit the NJ Transfer site at www.njtransfer.org. GPA requirements for Education degrees vary. If you are planning to transfer contact the institution for admissions requirements.

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 can prove their competency by testing, or they must retake the courses.
**Students are required to take either two sequential language courses or two literature courses (see reverse side for course selections).

## Teacher Education Core Note:

To remain in the program and enroll in EDU 111 and EDU 211 students must have a cumulative GPA of 3.0 or higher.

+ Note: All developmental Math courses must be completed prior to enrolling in the core science courses. Please see the course catalog for English prerequisites. EDU 111, Teaching in America. PSY 113 General Psychology is a pre- requisite or corequisite of EDU 111 Teaching in America.
++PSY 113 General Psychology and EDU 111 Teaching in America are pre-requisites. Requires 3.0 GPA and permission of department Chairperson or advisor.
***PSY 217 Educational Psychology is a pre/corequisite to EDU 211 Behavior Observation in Education.
*See back page for more information.


## TEACHER EDUCATION CHEMISTRY \#2152 TECHM

## 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 Psychology | PSY 113 | 3 | Teaching in America | EDU 111 | 3 |
| Precalculus | MAT 123 | 4 | General Chemistry II Lecture | CHM 127 | 3 |
| General Chemistry I Lecture | CHM 125 | 3 | General Chemistry II Lab | CHM 128 | 1 |
| General Chemistry I Lab | CHM 126 | $\underline{1}$ | Humanities Elective | 3 |  |
|  |  |  | Free Elective | -3 |  |
|  | TOTAL | 14 |  | TOTAL | 16 |
| SEMESTER III |  |  | SEMESTER IV |  |  |
| Literature/Language |  | 3 | Literature/Language |  | 3 |
| Speech Fundamentals | COM 109 | 3 | Behavior Observation in Education | EDU 211 | 3 |
| Educational Psychology | PSY 217 | 3 | SS or Hum. Elective |  |  |
| Biology or Physics Elective |  | 4 | Organic Chemistry II Lecture |  |  |
| Organic Chemistry I Lecture | CHM 231 | 3 | Organic Chemistry II Lab | CHM 233 | 3 |
| Organic Chemistry I Lab | CHM 232 | 1 |  | CHM 234 | 1 |
|  |  |  |  | TOTAL | 13 |

MATH/SCIENCE/TECHNOLOGY:
MATHEMATICS: Students who place out of MAT 123, Precalculus should start at a higher-level Math class - MAT 131, Calculus I and continue to MAT 132, Calculus II. Discuss this sequence of Math courses with your advisor.

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

SOCIAL SCIENCE OR HUMANITIES: Please select Humanities or Social Science. Click here for the most recent General Education course list.
GENERAL EDUCATION: Select two sequential language courses or two literature courses (below). Work closely with your faculty advisor to select these courses. LITERATURE: Select any two survey courses from the following:
ENG 243 World Literary Traditions: Beginnings to 1650 ENG 247 Major British Writers of the 19th \& 20th Centuries ENG
244 World Literary Traditions: 1650 to Present ENG 249 American Literature from Colonial Era to Civil WarENG
246 English Classics from Beowulf to Paradise Lost ENG 250 American Literature from Civil War to 20th Century
LANGUAGES: Select any two of the same foreign language courses in sequence.
American Sign Language: ASL Arabic: ARA $\quad$ Fhinese: CHI French: FRE $\quad$ *German: GER
Italian: ITL Japanese: JPN Latin: LAT Spanish: SPN *Russian: RUS

NOTE: RUS, CHI, GER offered based on enrollment trends and student demand.
BIOLOGY/PHYSICS ELECTIVES:
BIO 121-122 General Biology I, II
BIO 201 Genetics (Spring)
BIO 223 Cell and Molecular Biology (Fall)
BIO 202 Ecology (Fall)
CHM 212 Biochemistry (Spring)
PHY 125/126 - 127/128 General Physics I \& II
BIO 215 Microbiology PHY $130-133 / 134-232 / 233$ Engineering Physics I, II, III
FREE ELECTIVE: Any course or combination of courses totaling the required credits. Free Electives do not have to be part of the General Education Course list. If you need to take a technology elective, you can use the free elective to satisfy this requirement. Students are highly advised to take MAT 131 Analytical Geometry and Calculus I.

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

Note:

- Students will not receive credit for more than one of the following courses: MAT 124 and MAT 130.
- To enroll and remain in the Teacher Education Program students must maintain a minimum GPA of 3.0. To enroll in EDU 111 and EDU 211 students must have a cumulative GPA of 3.0 or higher.

