

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

#2152 - TECHM
TEACHER EDUCATION
CHEMISTRY

Name: _____
 ID: _____ Total Transfer Credits: _____

FALL 2022

| COURSE | CODE | CR | GR | TR |
|--|---------|----|----|----|
| General Education Foundation (32 CR) | | | | |
| COMMUNICATION (9 CR) | | | | |
| English Composition I | ENG 111 | 3 | | |
| English Composition II | ENG 112 | 3 | | |
| Speech Fundamentals | COM 109 | 3 | | |
| MATH/SCIENCE/TECHNOLOGY (8 CR) | | | | |
| Pre-Calculus | MAT 123 | 4 | | |
| Biology or Physics Elective* | | 4 | | |
| SOCIAL SCIENCE (3 CR) | | | | |
| General Psychology | PSY 113 | 3 | | |
| HUMANITIES (3 CR) | | | | |
| Choose from the General Education course list (Humanities) | | 3 | | |
| SOCIAL SCIENCE OR HUMANITIES (3 CR) | | | | |
| Choose from General Education course list (Social Science or Humanities) | | 3 | | |
| GENERAL EDUCATION ELECTIVES (6 CR) | | | | |
| Literature/Language Sequence** | | 3 | | |
| | | 3 | | |
| CHEMISTRY EDUCATION CORE (19 CR) | | | | |
| General Chemistry I Lecture | CHM 125 | 3 | | |
| General Chemistry I Lab | CHM 126 | 1 | | |
| General Chemistry II Lecture | CHM 127 | 3 | | |
| General Chemistry II Lab | CHM 128 | 1 | | |
| Organic Chemistry I Lecture | CHM 231 | 3 | | |
| Organic Chemistry I Lab | CHM 232 | 1 | | |
| Organic Chemistry II Lecture | CHM 233 | 3 | | |
| Organic Chemistry II Lab | CHM 234 | 1 | | |
| Free Elective* | | 3 | | |
| TEACHER EDUCATION CORE (9 CR) | | | | |
| Educational Psychology*** | PSY 217 | 3 | | |
| Teaching in America | EDU 111 | 3 | | |
| Behavior Observation in Education++ | EDU 211 | 3 | | |
| | TOTAL | 60 | | |

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 Teacher 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 Teacher 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 reverseside 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 and obtain permission from their Academic Track Advisor or the Teacher Education Advisor.

+All developmental Math and English courses (including ESL) must be completed before enrolling in the core science courses and EDU 111, Teaching in America. PSY 113 General Psychology is a pre-requisite or co-requisite of EDU 111 Teaching in America.

++PSY 113 General Psychology and EDU 111 Teaching in America are pre-requisites.

***PSY 217 Educational Psychology is a pre/co-requisite 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 | | | SEMESTER II | | |
|-----------------------------|--------------|----------|---------------------------------------|--------------|----------|
| | | CREDITS | | | 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 | <u>1</u> | Humanities Elective | | 3 |
| | | | Free Elective | | <u>3</u> |
| | 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 | Social Science or Humanities Elective | | 3 |
| Biology or Physics Elective | | 4 | Organic Chemistry II Lecture | CHM 233 | 3 |
| Organic Chemistry I Lecture | CHM 231 | 3 | Organic Chemistry II Lab | CHM 234 | <u>1</u> |
| Organic Chemistry I Lab | CHM 232 | <u>1</u> | | | |
| | TOTAL | 17 | | 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 on 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 the Technology 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

244 World Literary Traditions: 1650 to Present

246 English Classics from Beowulf to Paradise Lost

ENG 247 Major British Writers of the 19th & 20th Centuries

ENG 249 American Literature from Colonial Era to Civil War

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

Chinese: CHI

French: FRE

German: GER

Hebrew: HBR

Italian: ITL

Japanese: JPN

Latin: LAT

Portuguese: PTG

Spanish: SPN

Russian: RUS

BIOLOGY/PHYSICS ELECTIVES:

BIO 121-122 General Biology I, II

BIO 223 Cell and Molecular Biology (Fall)

BIO 201 Genetics (Spring)

CHM 212 Biochemistry

BIO 202 Ecology

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.

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

Note: 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 and obtain permission from their Academic Track Advisor or the Teacher Education Advisor.