

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

**#2152 - TECHM  
TEACHER EDUCATION  
CHEMISTRY**

Name: \_\_\_\_\_  
ID \_\_\_\_\_ Total Transfer Credits \_\_\_\_\_

Date \_\_\_\_\_

**FALL 2020**

COURSE	CODE	CR	GR	TR
<b>General Education Foundation (32 CR)</b>				
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		
<b>CHEMISTRY EDUCATION CORE (19 CR)</b>				
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		
<b>TEACHER EDUCATION CORE (9 CR)</b>				
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](mailto:jberger@ccm.edu), SH 207, 973-328-5731.

Teacher Education Advisor, Prof. Diana Aria, [daria@ccm.edu](mailto:daria@ccm.edu), DH 323, 973-328-5601 or call 973-328-5631.

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 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](http://www.njtransfer.org). GPA requirements for Teacher Education degrees vary. If you are planning to transfer contact the institution for admissions requirements.

\*See back page for more information.

\*\*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 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 minimum GPA of 3.0 and obtain permission from their Academic Track Advisor or the Teacher Education Advisor.

\*\*\*PSY 217 Educational Psychology is a pre/co-requisite to EDU 211 Behavior Observation in Education.

\*\*\*\*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.

**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.*

<b>SEMESTER I</b>			<b>SEMESTER II</b>		
		<b>CREDITS</b>			<b>CREDITS</b>
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>
	<b>TOTAL</b>	14		<b>TOTAL</b>	16
<b>SEMESTER III</b>			<b>SEMESTER IV</b>		
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>			
	<b>TOTAL</b>	17		<b>TOTAL</b>	13

**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.

**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 War
ENG 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	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 202 Ecology (Fall)
PHY 125/126-127/128 General Physics I & II	PHY 130/131-133/134-232/233 Engineering Physics I, II, III
BIO 215 Microbiology	
BIO 201 Genetics (Spring)	

**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.

**Special note about 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.

**HONORS COURSES:** You may be eligible to take honors courses. For more information, contact Prof. Laura Gabrielsen at 973-328-5459.

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