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

#3451 CHEMICAL TECHNOLOGY Environmental Science Option

Name:____ ID____

______Total Transfer Credits____

COURSE	CODE	CR	GR	TR
General Education Foundation (21 CR)				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (3 CR)*				
Statistics	MAT 124	3		
SOCIAL SCIENCE OR HUMANITIES (3 CR)				
Choose from General Education course list (Humanities/So-	cial Science)			
		3		
		3		
GENERAL EDUCATION ELECTIVES (9 CR)	*			
Choose from General Education course list				
		9		
ENVIDONMENTAL SCIENCE CODE (20 C	(D)			
ENVIRONMENTAL SCIENCE CORE (39 C	CHM 125	2		
General Chemistry I Lecture	CHM 125 CHM 126			
General Chemistry I Lab General Chemistry II Lecture	CHM 126 CHM 127	-		
General Chemistry II Lab	CHM 127 CHM 128			
General Biology I	BIO 121	-		
General Biology II	BIO 121 BIO 122	· ·		
Ecology	BIO 122 BIO 202			
Ecology Essentials of Organic Chemistry+	CHM 210			
Analytical Chemistry – Instrumental Analysis	CHM 210 CHM 218			
Concepts of Physics++	PHY 103			
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TECHNICAL ELECTIVE (7 CR)*		7		
		-		
		1		
		1		
		1		
		1		
		1		
	TOTAL	60		

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, contact the Biology/Chemistry Department, 973-328-5360.

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 course.

+CHM 231/232 Organic Chemistry I 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.

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CHEMICAL TECHNOLOGY Environmental Science Option #3451 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	Concepts of Physics	PHY 103	4
General Biology I	BIO 121	<u>4</u>	General Biology II	BIO 122	<u>4</u>
	TOTAL	14		TOTAL	15
SEMESTER III Ecology Soc Science Elective or Humanities Essentials of Organic Chemistry General Education Elective	BIO 202 CHM 210	4 3 4 <u>6</u>	SEMESTER IV General Education Electives Analytical Chemistry – Instrumental Analysis Technical Elective	CHM 218	3 4 <u>7</u>
	TOTAL	17		TOTAL	14

TECHNOLOGY LITERACY: If you do not pass the Technology Literacy Competency exam, you must take one of the courses in the Technological Competency or Information Literacy listing from the General Education course list. Free electives are any course or combination of courses totaling the required credits. Free Electives do <u>not</u> need to be part of the General Education Course list.

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. <u>Click here for the most recent General Education course list.</u>

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

TECHNICAL ELECTIVES: BIO 118 Biomedical Ethics

BIO 201 Genetics (Spring) BIO 215 Microbiology BIO 223 Cell and Molecular Biology (Fall) CHM 212 Biochemistry CHM 229 Internship Work Experience (3Cr) CHM 233/234 Organic Chemistry II Lecture and Lab CHM 230 Internship Work Experience (2Cr) CHM 236 Internship Work Experience (1Cr) CHM 235 Independent Study in Chemistry CMP 135 Computer Concepts with Applications – satisfies the Technology Literary requirement. MAT 110 College Algebra

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