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

#3450 CHEMICAL TECHNOLOGY

Name:	
ID	Total Transfer Credits

FALL 2022

					FALL 2022		
COURSE	CODE	CR	GR	TR	NOTES:		
General Education Foundation (21 CR)					This is an unofficial document and should		
COMMUNICATION (6 CR)					be used for academic planning purposes only. All students are required to see their		
English Composition I	ENG 111	3					
English Composition II	ENG 112	3			Academic Advisors each semester to discuss and approve their selection of courses before		
					they register.		
MATH/SCIENCE/TECHNOLOGY (3 CR)*					Due to continual program revisions		
Statistics	MAT 124	3			mandated by accrediting agencies and/or		
					changes in state mandated requirements,		
					students should consult their academic		
SOCIAL SCIENCE OR HUMANITIES (3 CR)					advisor when selecting courses. If you need the name of your academic		
Choose from General Education course list (Humanities/Soc	eial Science)	3			advisor, please contact the		
					Biology/Chemistry Department, 973-328-		
					5360.		
GENERAL EDUCATION ELECTIVES (9 CR)*	•						
Choose from General Education course list		9			Although the A.A.S. degree is a career-		
					oriented program, selected four-year		
					institutions may provide graduates of this program opportunity for transfer. For more		
CHEMICAL TECHNOLOGY CORE (39 CR)					information, contact the Transfer		
General Chemistry I Lecture	CHM 125	3			Coordinator and/or your academic advisor.		
General Chemistry I Lab	CHM 126	1			,		
General Chemistry II Lecture	CHM 127	3			To determine the transferability of your		
General Chemistry II Lab	CHM 128	1			courses to participating NJ Colleges &		
General Biology I	BIO 121	4			Universities, visit the NJ Transfer site at		
General Biology II	BIO 122	4			www.njtransfer.org.		
Analytical Chemistry – Instrumental Analysis	CHM 218	4			Science courses completed by students		
Essentials of Organic Chemistry+	CHM 210	4			prior to entering the program must be		
Concepts of Physics++	PHY 103	4			less than seven years old. If the science		
		1			courses exceed the seven-year limit,		
					students must prove their competency		
					by testing, or they must retake the courses.		
TECHNICAL ELECTIVES (11 CR)*		11			courses.		
TECHNICAL ELECTIVES (TI CK).		11			+CHM 231/232 Organic Chemistry may be		
					substituted.		
		1					
					++ PHY 125/126 General Physics I may		
		1			be substituted.		
		1			Note: All developmental Math and English		
		1			courses (including ESL) must be completed		
					before enrolling in the core science courses.		
					*See back page for more information		
	TOTAL	60			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	C	REDITS
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	5 1	General Chemistry II Lab	CHM 128	1
Statistics	MAT 124	. 3	General Biology II	BIO 122	4
General Biology I	BIO 121	<u>4</u>	General Education Elective		3
			Social Science/Humanities Elective		<u>3</u>
	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		<u>4</u>	General Education Elective		<u>3</u>
	TOTAL	15		TOTAL	14

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:

CHM 235 Independent Study in Chemistry

TECHNICITE BEECHT VEST	
BIO 118 Biomedical Ethics	BIO 201 Genetics
BIO 202 Ecology	CHM 233/234 Organic Chemistry II Lecture/Lab
BIO 215 Microbiology	CMP 135 Computer Concepts with Applications – satisfies the
BIO 223 Cell and Molecular Biology (Fall)	Technology Literacy requirements.
CHM 212 Biochemistry	MAT 110 College Algebra
CHM 229 Internship Work Experience (3 CR)	MAT 123 Precalculus
CHM 230 Internship Work Experience (2 CR)	PHY 127/128 General Physics II
CHM 236 Internship Work Experience (1 CR)	·

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