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

#2160 BIOLOGY: BIOTECHNOLOGY TRACK Science & Math Degree

Name:	
ID	Total Transfer Credits
Doto	

Fall 2020

Date				
COURSE	CODE	CR	GR	TR
General Education Foundation (32 CR)				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (11 CR)				
Precalculus	MAT 123	4		
Biology Elective	1411111123	4		
Math/Science/Technology Elective*		3		
SOCIAL SCIENCE (2 CD)				
SOCIAL SCIENCE (3 CR) Choose from General Education course list (Social Science)		3		
Choose from General Education course list (Social Science)		3		
HUMANITIES (3 CR)				
Choose from General Education course list (Humanities)		3		
SOCIAL SCIENCE OR HUMANITIES (3 CR)				
Choose from General Education course list (Social Science		3		
or Humanities)				
GENERAL EDUCATION ELECTIVES (6 CR)*				
Choose from General Education course list		6		
		6		
BIOTECHNOLOGY CORE (28 CR)				
General Biology I	BIO 121	4		
General Biology II	BIO 122	4		
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 (Fall)	CHM 231	3		
Organic Chemistry I Lab (Fall)	CHM 232	1		
Organic Chemistry II Lecture (Spring)	CHM 233	3		
Organic Chemistry II Lab (Spring)	CHM 234	1		
Analytic Geometry & Calculus I	MAT 131	4		
	TOTAL	60		

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.

The Biotechnology Track is intended for students with strong math and science skills, planning to transfer to a B.S. in Biotechnology or related field.

To determine the transferability of your courses to participating NJ Colleges & Universities, visit the NJ Transfer site at www.njtransfer.org.

*See back page for more information.

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.

Note: All developmental Math and English courses (including ESL) must be completed before enrolling in the core science courses.

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#2160

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		CREDITS SEMESTER II		CREDITS	
English Composition I	ENG 111	3	English Composition II	ENG 112	3	
General Biology I	BIO 121	4	General Biology II	BIO 122	4	
Precalculus	MAT 123	4	Analytic Geometry & Calculus I	MAT 131	4	
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	
	TOTAL	15		TOTAL	15	
SEMESTER III			SEMESTER IV			
Math/Science/Technology Elective		<u>3</u>	General Education Elective		6	
Social Science/Humanities Elective		3 3 3	Organic Chemistry II Lecture	CHM 233	3	
Organic Chemistry I Lecture	CHM 231	3	Organic Chemistry II Laboratory	CHM 234	1	
Organic Chemistry I Laboratory	CHM 232	1	Humanities Elective		3	
Biology Elective (see page 3 for each university requirement)		4				
Social Science Elective		3				
	TOTAL	17		TOTAL	13	

GENERAL EDUCATION ELECTIVES: Select any courses from the approved list of General Education courses. Students are strongly encouraged to take the following courses: MAT 131, MAT 132, or BIO 201.

SOCIAL SCIENCES: Select a Social Science course from the General Education course list.

HUMANITIES: Select a Humanities course from the General Education course list.

MATHEMATICS: Students demonstrating proficiency in MAT 123 (Precalculus) are encouraged to take MAT 131 (Analytic Geometry and Calculus I) followed by MAT 132 (Analytic Geometry and Calculus II) or MAT 130 (Probability and Statistics).

SCIENCE: Consult the General Education course list for approved courses in Science and Technology.

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. This course can be used to fulfill a General Education Math/Science/Technology elective.

BIOLOGY/ELECTIVES: See your Academic Advisor for specific course choices.

HONORS COURSES: You may be eligible to take honors courses. For more information, contact the honors coordinator, 973-328-5459.