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

#2160
BIOLOGY: TRADITIONAL
TRACK
Science & Math Degree

Name:	
ID	Total Transfer Credits

FALL 2021

					FALL 2021
COURSE	CODE	CR	GR	TR	NOTES:
General Education Foundation (32 CR	R)				This is an unofficial document and
COMMUNICATION (6 CR)	,				should be used for academic planning
English Composition I	ENG 111	3			purposes only. All students are
English Composition II	ENG 112	3			required to see their Academic Advisors
					each semester to discuss and approve
MATH/SCIENCE/TECHNOLOGY (11 CR))*				their selection of courses before they
Precalculus	MAT 123	4			register.
Biology Elective*		4			Due to continual program revisions
Math/Science/Technology Elective*		3			mandated by accrediting agencies
					and/or changes in state mandated
SOCIAL SCIENCE (3 CR)					requirements, students should consult
Choose from General Education course list (Soci	al Science)	3			their academic advisor when selecting
	,				courses.
HUMANITIES (3 CR)					If you need the name of your
Choose from General Education course list (Hum	nanities)	3			academic advisor, contact the
					Biology/Chemistry Department, 973-328-5360.
SOCIAL SCIENCE OR HUMANITIES (3 C	CR)				328-3300.
Choose from General Education course list (Social Sci		3			The Traditional Track is a general
					curriculum designed to satisfy the
GENERAL EDUCATION ELECTIVES (6 CR)*	k				transfer needs of most students.
Choose from General Education course list		3			transier needs or most students.
		3			*See back for more information.
					See ouck for more information.
BIOLOGY TRADITIONAL CORE (28 C	(R)				To determine the transferability of
General Biology I	BIO 121	4			your courses to participating NJ
General Biology II	BIO 122	4			Colleges & Universities, visit the NJ
General Chemistry I Lecture	CHM 125	3			Transfer site at www.njtransfer.org.
General Chemistry I Lab	CHM 126	1			3
General Chemistry II Lecture	CHM 127	3			Science courses completed by
General Chemistry II Lab	CHM 128	1			students prior to entering the
Biology Elective*		4			program must be less than seven
Probability and Statistics OR	MAT 130	4			years old. If the science courses
Analytic Geometry & Calculus I	MAT 131	4			exceed the seven-year limit, students
					must prove their competency by
FREE ELECTIVES (4 CR)		4			testing, or they must retake the
` '					courses.
					NI 4 411 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
					Note: All developmental Math and
					English courses (including ESL) must
	TOTAL	60			be completed before enrolling in the core science courses.

BIOLOGY: TRADITIONAL TRACK

Science & Math Degree #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	SEMESTER II		CREDITS
English Composition I	ENG 111	3	English Composition II	ENG 112	3
General Biology I	BIO 121	4	Social Science Elective		3
Precalculus	MAT 123	4	General Biology II	BIO 122	4
Humanities Elective		<u>3</u>	Analytic Geometry & Calc 1 OR	MAT 131	
			Probability & Statistics	MAT 130	<u>4</u>
	TOTAL	14		TOTAL	14
SEMESTER III General Education Elective General Chemistry I Lecture General Chemistry I Lab Biology Elective Humanities/Social Science Elective Math/Science/Tech Elective	CHM 125 CHM 126		SEMESTER IV General Education Elective General Chemistry II Lecture General Chemistry II Lab Biology Elective Free Elective	CHM 127 CHM 128	
	TOTAL	17		TOTAL	15

MATH/SCIENCE/TECHNOLOGY

MATHEMATICS: Students demonstrating proficiency in MAT 123 Pre-Calculus are encouraged to take MAT 131 Analytic Geometry and Calculus I followed by MAT 130, Probability and Statistics) or MAT 132 Analytic Geometry and Calculus II. You may use an additional Math class as an elective in the Math/Science/Technology category.

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

If you do not pass the Technology Literacy Competency exam, you must take one of the courses in 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: Select from the following courses:

BIO 202 Ecology

BIO 215 Microbiology

BIO 201 Genetics (Spring)

BIO 223 Cell and Molecular Biology (Fall)

CHM 212 Biochemistry

NOTE: BIO 101 and BIO 102, Anatomy & Physiology I & II cannot be substituted for the Biology Elective.

GENERAL EDUCATION ELECTIVES: Please select appropriate courses from the approved list of General Education courses. Students planning to transfer to a B.A. (Bachelor of Arts) program should take COM 109 Speech Fundamentals, since this is required under communication for that degree.

HUMANITIES: Please select appropriate courses from the approved list of General Education courses for Humanities.

SOCIAL SCIENCES: Please select appropriate courses from the approved list of General Education courses for Social Science.

FREE ELECTIVES: Any course or combination of courses totaling the required credits. Free Electives do not have to be part of the General Education Course list. BIO 233 Independent Study in Biology does not fulfill any of the science requirements in Biology but may be taken as a free elective.

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

GENERAL EDUCATION: Click here for the more recent General Education course list.