

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

**#2160  
BIOLOGY: HEALTH  
RELATED TRACK  
Science & Math Degree**

Name: \_\_\_\_\_

ID \_\_\_\_\_ Total Transfer Credits \_\_\_\_\_

Date \_\_\_\_\_

**FALL 2020**

COURSE	CODE	CR	GR	TR
<b>General Education Foundation (32 CR)</b>				
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*		4		
Math/Science/Technology Elective		3		
SOCIAL SCIENCE (3 CR)				
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 or Humanities)		3		
GENERAL EDUCATION ELECTIVES (6 CR)*				
Choose from General Education course list		6		
<b>BIOLOGY HEALTH RELATED CORE (28 CR)</b>				
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		
Anatomy & Physiology I	BIO 101	4		
Anatomy & Physiology II	BIO 102	4		
Probability and Statistics <b>OR</b>	MAT 130	4		
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 Health Related Track is intended for students seeking careers in specialized health-related fields such as occupational therapy or physician assistant. It is not recommended for students interested in medicine, dentistry, optometry, podiatry or chiropractic medicine.**

\*See back for more information.

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).

**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.

**BIOLOGY: HEALTH RELATED 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			SEMESTER II		
		CREDITS			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	Social Science Elective		3
Math/Science/Technology Elective		<u>3</u>	Analytic Geometry & Calculus I <b>OR</b>	MAT 131	
			Probability and Statistics	MAT 130	<u>4</u>
	<b>TOTAL</b>	14		<b>TOTAL</b>	14
<b>SEMESTER III</b>			<b>SEMESTER IV</b>		
Anatomy & Physiology I	BIO 101	4	Anatomy & Physiology II	BIO 102	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
Biology Elective		4	Social Science/Humanities Elective		3
General Education Elective		<u>3</u>	General Education Elective		3
	<b>TOTAL</b>	15	Humanities Elective		<u>3</u>
			<b>TOTAL</b>		17

**MATH/SCIENCE/TECHNOLOGY**

**MATHEMATICS:** Students demonstrating proficiency in MAT 123 Precalculus 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.

**BIOLOGY ELECTIVES:** Select from the following courses:

BIO 202 Ecology (Fall)

BIO 215 Microbiology

BIO 201 Genetics (Spring)

BIO 223 Cell and Molecular Biology (Fall)

CHM 212 Biochemistry

CHM 218 Analytical Chemistry - Instrumental Analysis

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

**TECHNOLOGY LITERACY:** 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 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.

**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.

**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.

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