

Program: BIO.TEC.AAS Biotechnology (61 credits)				Division: STEM	
Student:		ID#:		Catalog Year: 2026-2027	

Developmental Education Courses (if required)								
☐	EAP-018	Intensive Academic English	☐	MAT-020	Basics of College Math	☐	COM-017/019	Foundational Reading/Writing
☐	EAP-020/040	EAP Reading I and Writing I	☐	MAT-03_		☐	COM-097	Academic Literacy I
☐	EAP-050/060	EAP Writing II and Reading II				☐	COM-098	Academic Literacy II

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

SEMESTER 1 – Fall (14 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	CSS-103*	College Success Strategies	3		All & OL
Gen Ed	MAT-160	College Algebra	3	MAT 110 with a "C" or better or by assessment	All
Gen Ed	CHE-150	General Chemistry I	4	CHE-120 or high school chemistry with "C" or better & MAT-110 with a "C" or better	Fall & Spring
Gen Ed	BIO-150	Biology I	4	COM 098 or EAP 050 and EAP 060; CHE-120 and MAT-030 or sufficient placement test score	All

SEMESTER 2 – Spring (14 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	BIO-160	Intro to Biotechnology	4	BIO-150 and CHE-150 with "C" or higher	Spring
Major	BIO-260	Genetics	4	BIO-140 or BIO-150 and CHE-150	Spring
Gen Ed	COM-121*	English Composition I	3	COM 098 or EAP 050 and EAP 060 with "C" or better or placement by exam	All
Gen Ed	IFT-110*	Microcomputer Applications	3	MAT-020; COM-097 or EAP-040 and EAP-020 or appropriate score on placement test	All & OL

SEMESTER 3 – Fall (17 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	BIO-272	Intro to Bioinformatics	3	BIO-160 with a "C" or better or placement by assessment	Fall
Major	BIO-275	Biotechnology Techniques	4	BIO-160 with "C" or better	Fall
Major	BIO-280	Microbiology	4	BIO-140 or BIO-150 with "C" or better CHE-120 or high school chemistry with "C" or better COM-098 or EAP-050 and EAP-060	All
Major	MAT-210	Statistics	3	MAT-030, MAT-032 or MAT-035 with "C" or better or appropriate score on placement test COM-098 or EAP-050 and EAP-060	All
Gen Ed	COM-141 or COM-151	Technical Writing or Fundamentals of Speech	3	COM-098 or EAP-050 and EAP-060 or appropriate score on the placement test COM-121 or COM-122 with "C" or better	All

SEMESTER 4 – Spring (16 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Major	BIO-285	Intro to Biomanufacturing	4	BIO-275 with "C" or better	Spring
Major	BIO-286	Biotechnology Capstone Project	3	Petition Only	Spring
Elective	Elective	STEM Elective	3		All
Gen Ed	Humanities 1	ART-111, ART-201, COM-110, ENG-125*, MUS-221, PHI-271*, PHI-275* or THR-120	3	COM-098 or EAP-050 and EAP-060	All & OL
Gen Ed	Social Science 1	ANT-140, HIS-110/115, PSY-130*, or SOC-130*	3	COM-098 or EAP-050 and EAP-060	All & OL

*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details. **Online (OL)** may not be offered every semester. Please check the schedule.