CEDAR CREST COLLEGE

GENETIC ENGINEERING
Recommended Course Sequence
2017-2018 Catalog

FALL 2017

Course	Cr	Title	✓
BIO 123	4	Foundations in Biology	
CHE 111	4	Chemical Principles	
MAT 141	3	Calculus I	
FYS ____	3	First Year Seminar	
CCC 101	0.5	College Life	

SPRING 2018

Course	Cr	Title	✓
BIO 124	4	Principles of Cell and Molecular Biology	
CHE 112	4	Chemical Equilibrium and Analysis	
MAT 142	3	Calculus II	
WRI 100	3	College Writing	
CCC 102	0.5	Exploring Your Future	

FALL 2018

Course	Cr	Title	✓
BIO 239	4	Animal Ecology, Evolution and Development	
ETL 235	3	Ethical Life	
CHE 205	4	Organic Chemistry I	
_____	3	Humanities LAC course	

SPRING 2019

Course	Cr	Title	✓
BIO 231	4	Genetics	
CHE 206	4	Organic Chemistry II	
CCC 201	3	Sophomore Expedition	
_____	3	Humanities LAC course	

FALL 2019

Course	Cr	Title	✓
BIO 350	2	Junior Colloquium	
BIO 335	4	Molecular Genetics I	
PHY 101	4	Introductory College Physics I	
_____	3	Art LAC course	
BIO___	1.5	Genetic Engineering minilab*	
_____	1-4	elective***	

SPRING 2020

Course	Cr	Title	✓
BIO 336	4	Molecular Genetics II	
_____	3-4	Genetic Engineering elective**	
PHY 102	4	Introductory College Physics II	
_____	3	Social Science LAC course	
_____	1-4	elective***	

FALL 2020

Course	Cr	Title	✓
BIO 356	3	Science, Ethics, and Society	
BIO 345	3	Advanced Recombinant DNA	
_____	3-4	Genetic Engineering elective**	
CHE 307	4	Biochemistry	
_____	1-4	elective***	

SPRING 2021

Course	Cr	Title	✓
_____	3-4	Genetic Engineering elective **	
BIO___	1.5	Genetic Engineering minilab*	
_____	3	Social Science LAC course	
_____	3	Art LAC course	
_____	1-4	elective***	

* Choose two courses for a total of 3 credits from: BIO 341, 343, 344, 347, or 349.
**Choose 3 courses for a total of 11 credits from: BIO 227, 300, 313, 323, 327, 332, or 339; NEU 348; CHE 208, or 248. At least 2 must contain a lab.
***Electives must be included to ensure that the overall total number of credits reaches the 120 credits needed to complete a degree.

Liberal Arts Curriculum (LAC) and College-Wide Requirements

Natural Science (SCI): 7 cr. total, one must be a lab-based course

1. BIO 123
2. BIO 124

Arts (ART): 6 cr. total, one must be a 3 cr. course

1. _____
2. _____

Mathematics & Logic (ML): 6 cr. total, one must be a MAT course

1. MAT 141
2. MAT 142

Ethics (ETH): 1 course, 3 cr.

1. ETL 235

Technology:

1. BIO 231, 239, 350, and 356

Oral Presentation:

1. BIO 231, 239, 350, and 356

Writing (WRI1, WRI2): 2 courses, 6 cr. total

1. WRI 100
2. BIO 356

Humanities (HUM): 2 courses, 6 cr. total

1. _____
2. _____

Social Science (SS): 2 courses, 6 cr. total

1. _____
2. _____

Global Studies (GS): 1 course, 3 cr.

1. CCC 201

Information Literacy:

1. BIO 231, 239, 350, and 356

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