

## Biotechnology

DMACC Degree Awarded: Associate of Science

Grand View Degree Awarded: Bachelor of Arts

This completion plan is designed for students pursuing an AS in Biotechnology at DMACC and planning to transfer to Grand View to earn a BA in Biotechnology. GV Core Seminars, Composition, and Quantitative Reasoning requirements are included on this plan, but students must fill in the remaining Core Curriculum requirements, any additional major and/or minor requirements, and electives and upper division courses.

All GV students must complete the GV Core, earn 124 credits, with 30 upper division credits and the last 30 credits at Grand View in order to graduate. Major courses taken at GV will be counted in computing the 2.2 major GPA required for this major.

### Semester 1 at DMACC

Class	Designation	Credits	GV Equivalent	Notes
The College Experience	SDV 108	1	GNEL ELE	
Composition I	ENG 105	3	ENGL 100	
Introductory Biology w/lab	BIO 104	3	BIOL 100	
AS Core Humanities		3		See <a href="#">DMACC/GV Core Options</a>
AS Core Social and Behavioral Science		3		See <a href="#">DMACC/GV Core Options</a>
	<b>TOTAL</b>	<b>13</b>		

### Semester 2 at DMACC

Class	Designation	Credits	GV Equivalent	Notes
General Biology I	BIO 112	4	BIOL 101	
Composition II	ENG 106	3	ENGL 101	
General/Inorganic Chemistry I	CHM 165	4	CHEM 111	
AS Core Social and Behavioral Science		3		See <a href="#">DMACC/GV Core Options</a>
	<b>TOTAL</b>	<b>14</b>		

### Semester 3 at DMACC

Class	Designation	Credits	GV Equivalent	Notes
Statistics	MAT 157	4	STAT 241	
Microbiology	BIO 186	4	BIOL 256	
	<b>TOTAL</b>	<b>8</b>		

### Semester 4 at DMACC

Class	Designation	Credits	GV Equivalent	Notes
General Biology II	BIO 113	4	BIOL 102	
Genetics	BIO 146	3	BIOL NWN	
General/Inorganic Chemistry II	CHM 175	4	CHEM 112	
Fundamentals of Oral Communication or Interpersonal Communication	SPC 101 or SPC 122	3	SPCH 103	
	<b>TOTAL</b>	<b>14</b>		

### Semester 5 at DMACC

Class	Designation	Credits	GV Equivalent	Notes
Biotechnology Internship	BIO 249	2-3	BIOL 399	Lower division credit
Cell and Molecular Bio-Nucleic Acids	BIO 250	5	BIOL 401 and BIOL 415	Lower division credit
Cell and Molecular Bio-Proteins	BIO 251	5		
Composition II: Technical Writing	ENG 108	3	ENGL 309	Lower division credit
	<b>TOTAL</b>	<b>15-16</b>		

This information must be used in conjunction with the 2018-2019 Grand View University Catalog and does not reflect a student's official record of progress. Students are expected to use the Progress tool found on myView > GV Self Service when monitoring and planning coursework. Other available resources include: Course Planning Documents (found on myView under Academics) and the faculty and staff who work with academic requirements.

### Semester 1 at Grand View

Class	Designation	Credits	Outcome Iterations	Notes
College Algebra	MATH 121	3	CI, Q	
Journal Club	BIOL 250	1		
Biotechnology	BIOL 285	3	CI, GA	
Plant Biology	BIOL 225	4		
Core course		3		
	<b>TOTAL</b>	<b>14</b>		

### Semester 2 at Grand View

Class	Designation	Credits	Outcome Iterations	Notes
Plant Physiology	BIOL 325	4		Or take BIOL 335 Semester 3*
Cell Biology	BIOL 380	4	Q	
Core Seminar II	LIBA 300	3	CI, IL, Q, GA	
	<b>TOTAL</b>	<b>7-11</b>		

### Semester 3 at Grand View

Class	Designation	Credits	Outcome Iterations	Notes
Genetics	BIOL 360	4	Q, GA	
Physiology	BIOL 335	4		Or take BIOL 325 Semester 2*
Organic Chemistry I	CHEM 321	5		
	<b>TOTAL</b>	<b>9-13</b>		

### Semester 4 at Grand View

Class	Designation	Credits	Outcome Iterations	Notes
Senior Seminar	BIOL 450	2	CI, IL, W, O, V	
Core Seminar III	LIBA 450	3	CI, O, V	
	<b>TOTAL</b>	<b>5</b>		

\*Students will only need to take one of these courses.

### Core Outcome Iterations

CI = Critical Inquiry; IL = Information Literacy; W = Written Communication; O = Oral Communication  
Q = Quantitative Communication; GA = Global Awareness; V = Vocation

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