Year One

Year Three Year Two

Year One

Year Four Year Three



# Biochemistry/Chemistry Emphasis

## 2021 Fall Catalog and Beyond B.A. Sample Program Plans

Since the Biochemistry major is rigorous and highly sequential, summer session options are included to promote timely progress to degree while maintaining a manageable course load.

## Math Placement is Intermediate Algebra (ARC 35)

Fall	Winter	Spring	Summer
Intermediate Algebra 35 <sub>(0)</sub>	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>
Biochemistry 95 <sub>(1)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>			
Breadth or Elective <sub>(4)</sub>			
Chemistry 1C, 1LC <sub>(5)</sub>	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>
Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Breadth or Elective <sub>(4)</sub>	
D' 1 ' 4 1104	D' 1 '4 110D	D: 1 '4-110C	D1 ' 2D 2I D
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	Physics 2B, 2LB <sub>(5)</sub>
Biology 102 <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>	Physics 2A, 2LA <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub>	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	UD Biochemistry Elective <sub>(4)</sub>	
	•		Minimum units 180
UD Chemistry Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Minimum units 180
Fall	Math Placemen Winter	<u>at is MATH 5</u> Spring	Summer
Math 5 <sub>(4)</sub>	Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	1714411 10(4)
Biochemistry 95 <sub>(1)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	enember y re, ree(s)
210000 e1 210001 (t)	Distriction of Distriction	Distant of Brotz (s(i)	
Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Breadth or Elective(4)	Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional) (4)	
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Biology 102 <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>	UD Biochemistry Elective <sub>(4)</sub>	
Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Chamister 100	Piochamistar 194	IID Chamistur Floative	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	* *	
UD Chemistry Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>		Minimum units 180

	Fall	Winter	Spring	Summer
	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 7A <sub>(4)</sub>	Breadth or Elective(4)
<u>Year One</u>	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	
	Chemistry 1W <sub>(3)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
Two	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
Ţ	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
Year	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
$\times$	Math 7B <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 <sub>(4)</sub>	
ee	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
- E	Biology 102 <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>	UD Biochemistry Elective(4)	
Ħ	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Year Three	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
<b>7</b> 1				
Year Four	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub>	
	English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
	UD Chemistry Elective <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
$\times$	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>		Minimum units 180

## **Math Placement is MATH 7A**

	Fall	Winter	Spring	Summer
	Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	
	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	
2	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
ı caı Olle	Biochemistry 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	
·				
ol.	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
:	Biology 5C <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
	Breadth or Elective(4)	Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional) (4)	
'I				
al.	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
	Biology 102 <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>	UD Biochemistry Elective(4)	
i	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
4	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub>	
	English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
	UD Chemistry Elective(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	
	Breadth or Elective(4)	Breadth or Elective(4)		Minimum units 180

### **Math Placement is MATH 7B**

Fall	Winter	Spring	Summer
Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	
Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
Biochemistry 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	
		et 1 00/07 6	
Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
Biology 5C <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Breadth or Elective <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional) (4)	
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Biology 102 <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub>	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
UD Chemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>			Minimum units 180

#### \*NOTE\*

**BCH 100 ENROLLMENT**: Students who earn a grade lower than "B-"in BIOL 5A or CHEM 08A are strongly encouraged to complete BCH 100 during their second year of residence to better prepare themselves for BCH 110A, BCH 110B, and BCH 110C.

MATH-Please ensure that you follow the math pathway provided and work your way through the MATH 7 series.

STAT 8/48-Please consult with your advisor if you credit was earned from high school or community college.

STAT 100A/100B- Acceptable if taken prior to Fall 2021.