Year One

Year Two

Year Four Year Three

Year Four Year Three



# Biochemistry/Medical Sciences 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>
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	· <b>j</b> , <b>2</b> (0)
Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	Biochemistry 96 <sub>(1)</sub>	
Biochemistry 95 <sub>(1)</sub>		<u> </u>	
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) (
Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Physics 2A, 2LA <sub>(5)</sub>	
Breadth or Elective <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 (Optional) (4)	
D:1110A	D:1	Dis-lassistes 110C	C4-4:-4: 10
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	Statistics 10 <sub>(5)</sub>
Biology 102 <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	UD Biochemistry Elective(4)	
Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	Breadth or Elective(4)	
		Biochemistry 98I <sub>(1)</sub>	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	Biochemistry 120 <sub>(4)</sub>	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	Minimum units 180
Breadth of Elective(4)	Dieadul of Elective(4)	Breadth of Elective(4)	William units 100
	Math Dlagomon	+ : a MATH 5	
E II	Math Placemen		C
Fall	Winter	Spring Mail 7D	Summer
Math 5A <sub>(5)</sub>	Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</sub>	C1'. t 1C 1I C
Breadth or Elective <sub>(4)</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 <sub>(4)</sub>	Biochemistry 96 <sub>(1)</sub>	
Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	*Biochemistry 100 (Optional) (4)	
Math 46 (Optional) (4)	Biochemistry 15 <sub>(3)</sub>	Breadth or Elective <sub>(4)</sub>	
TVIALII TO (Optional) (4)	Biochemistry 19(3)	(1)	
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 <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>	Biochemistry 98I <sub>(1)</sub>	
	-		
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	Biochemistry 120 <sub>(4)</sub>	
English 1C or 1SC (4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Cell Biology & Neuroscience 101 <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(5)	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)		Minimum units 180

**Spring** 

Math 7A(4)

Biology 5A, 5LA(5)

Chemistry 1B, 1LB<sub>(5)</sub>

Biochemistry 96(1)

Chemistry 8C/8LC(4)

Biochemistry 110C(4)

UD Biochemistry Elective(4)

Breadth or Elective(4)

Biochemistry 120(4)

Breadth or Elective(4)

Breadth or Elective(4)

Biochemistry 98I(1)

Summer

Breadth or Elective(4)

Chemistry 1C, 1LC<sub>(5)</sub>

Breadth or Elective(4)

Minimum units 180

Winter

Math 6B(4)

English 1B(4)

Chemistry 1A, 1LA<sub>(5)</sub>

Breadth or Elective(4)

Chemistry 8B/8LB<sub>(4)</sub>

Biochemistry 110B(4)

Statistics 10<sub>(5)</sub>

Breadth or Elective(4)

Breadth or Elective(4)

Biochemistry 184(4)

Biochemistry 162(5)

Breadth or Elective(4)

Breadth or Elective(4)

Year One
Year Two
Year Three
Year Four

Fall

Math 6A(4)

English 1A<sub>(4)</sub>

Chemistry 1<sub>(2)</sub>

Biochemistry 95(1)

Chemistry 8A/8LA<sub>(4)</sub>

Biochemistry 110A(4)

Biology 102<sub>(4)</sub>

Breadth or Elective(4)

Breadth or Elective(4)

Chemistry 109<sub>(4)</sub>

English 1C or 1SC(4)

Cell Biology & Neuroscience 101(4)

Breadth or Elective(4)

Three
Year
Four
Year

Yes
Year Two
Year Three
our

Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	*Biochemistry 100 (Optional) (
D1 ' 0 ' 0 T '			-
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Math 7B <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 (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 <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	Biochemistry 98I <sub>(1)</sub>	
<del>,</del>			
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	Biochemistry 120 <sub>(4)</sub>	
English 1C or 1SC (4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Cell Biology & Neuroscience 101 <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(5)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>		Minimum units 180
	Made Diagram	- MATH 7A	
	<u>Math Placement i</u>		
Fall	Winter	Spring	Summer
Math 7A <sub>(4)</sub>	Winter Math 7B <sub>(4)</sub>	Spring Math 46 (Optional) (4)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub>	Winter  Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub>	Spring Math 46 (Optional) (4) Breadth or Elective(4)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub>	Winter Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1B, 1LB <sub>(5)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub>	Winter  Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)  Biology 5B(4)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub>	Winter Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1B, 1LB <sub>(5)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Biochemistry 95 <sub>(1)</sub>	Winter  Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Biology 5A, 5LA <sub>(5)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)  Biology 5B(4)  Biochemistry 96(1)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Biochemistry 95 <sub>(1)</sub> Chemistry 8A/8LA <sub>(4)</sub>	Winter  Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 8B/8LB <sub>(4)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)  Biology 5B(4)  Biochemistry 96(1)  Chemistry 8C/8LC(4)	Summer
Math 7A <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Biochemistry 95 <sub>(1)</sub>	Winter  Math 7B <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Biology 5A, 5LA <sub>(5)</sub>	Spring  Math 46 (Optional) (4)  Breadth or Elective(4)  Chemistry 1C, 1LC(5)  Biology 5B(4)  Biochemistry 96(1)	Summer

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

Wath Hatchicht is WIATH /B						
Fall	Winter	Spring	Summer			
Math 7B <sub>(4)</sub>	Math 46 (Optional) (4)	Breadth or Elective <sub>(4)</sub>				
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>				
Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Biochemistry 96 <sub>(1)</sub>				
Biochemistry 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>				
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(4)	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 <sub>(4)</sub>				
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Biochemistry 98I <sub>(1)</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>	Biochemistry 120 <sub>(4)</sub>				
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>				
Cell Biology & Neuroscience 101 <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>				

### \*NOTE\*

Breadth or  $Elective_{(4)}$ 

**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.

Breadth or  $Elective_{(4)}$ 

Minimum units 180

Breadth or  $Elective_{(4)}$ 

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.