Year One

Year Four Year Three

Year Four Year Three



# Biochemistry/Medical Sciences Emphasis

## 2017 Fall Catalog and Beyond B.S. 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(4)	Chemistry 1B, 1LB <sub>(5)</sub>
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective(4)		Biochemistry 96 <sub>(1)</sub>	
Biochemistry 95 <sub>(1)</sub>			
			<b>.</b>
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>	Physics 2A, 2LA <sub>(5)</sub>	
	Biochemistry 015 <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>	Breadth or Elective(4)	UD Biochemistry Elective(4)	
Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</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 <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective <sub>(4)</sub>			Minimum units 180

### **Math Placement is MATH 5**

Fall	Winter	Spring	Summer
Math 5 <sub>(4)</sub>	Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Breadth or Elective(4)
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</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>	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>	Breadth or Elective <sub>(4)</sub>	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Math 46 (Optional) (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 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	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 (4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective(4)	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective(5)	Minimum units 180

Spring

Math 7A(4)

Biology 5A, 5LA(5)

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

Biochemistry 96(1)

Summer

Breadth or Elective(4)

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

Winter

Math 6B<sub>(4)</sub>

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

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

Year One
Year Two
Year Three
Year Four

Year Two Year One

Year Four Year Three

Fall

Math 6A(4)

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

Chemistry 1W<sub>(3)</sub>

Biochemistry 95(1)

Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	
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 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective(4)	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 (4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective <sub>(5)</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 (Optional) (4)	
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>	
		Biochemistry 96(1)	
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 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Biochemistry 98I <sub>(1)</sub>	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	
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(4)	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
			Minimum units 180

#### Math Placement is MATH 7B

	<u>Math Placement i</u>	SMAIN /D	
Fall	Winter	Spring	Summer
Math 7B <sub>(4)</sub>	Math 46 (Optional) (4)	Breadth or Elective(4)	
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 <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)	
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Biology 102 <sub>(4)</sub>	Statistics 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Biochemistry 98I <sub>(1)</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>	Biochemistry 120 <sub>(4)</sub>	
English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective(4)	
Cell Biology & Neuroscience 101 <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	

### \*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.

Breadth or Elective(4)

Minimum units 180

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





# Biochemistry/Medical Sciences Emphasis

## **2016 Fall Catalog and Prior B.S. 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(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)		Biochemistry 96 <sub>(1)</sub>	
Biochemistry 95 <sub>(1)</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 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Physics 2A, 2LA <sub>(5)</sub>	
	Biochemistry 015 <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 100A <sub>(5)</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>	UD Biochemistry Elective(4)	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective(4)			Minimum units 180

### **Math Placement is MATH 5**

Fall	Winter	Spring	Summer
Math 5 <sub>(4)</sub>	Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Breadth or Elective(4)
English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</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>	Breadth or Elective <sub>(4)</sub>	Biochemistry 96(1)	
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>	Breadth or Elective <sub>(5)</sub>	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Math 46 (Optional) (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>	UD Biochemistry Elective(4)	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	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>	Statistics 100A <sub>(5)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective <sub>(5)</sub>	Minimum units 180

Year One

Year Four Year Three

	Fall	Winter	Spring	Summer
4)]	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 9A <sub>(4)</sub>	Breadth or Elective(4)
Year One	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</sub>	
<u> </u>	Chemistry 1W <sub>(3)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
<u>/ea</u>	Biochemistry 95 <sub>(1)</sub>		Biochemistry 96 <sub>(1)</sub>	
	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
MC MC	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Year Two	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
<u> </u>	Math 9B <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 (Optional) (4)	
<b>7</b> 1				
a) l	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
<u>Year Three</u>	Biology 102 <sub>(4)</sub>	UD Biochemistry Elective(4)	UD Biochemistry Elective(4)	
Ë	Breadth or Elective <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	
ear	Breadth or Elective(4)	Breadth or Elective(4)	Biochemistry 98I <sub>(1)</sub>	
X				
ī	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	Biochemistry 120 <sub>(4)</sub>	
요	English 1C or 1SC (4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
Year Four	Cell Biology & Neuroscience 101(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(5)	
χ				Minimum units 180

### **Math Placement is MATH 9A**

Fall	Winter	Spring	Summer
Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46 (Optional) (4)	
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>	
		Biochemistry 96(1)	
CI O.A /OV. A	CI : OD OV D		
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)	
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Biology 102 <sub>(4)</sub>	UD Biochemistry Elective(4)	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Biochemistry 98I <sub>(1)</sub>	
Breadth or Elective(4)	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>	Statistics 100A <sub>(5)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)	Minimum units 180

Year Two Year One

Year Four Year Three

#### Math Placement is MATH 9B

	Math Placement is	MAIN 9D	
Fall	Winter	Spring	Summer
Math 9B <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>	
	City of the order of	GI I OGIOV G	
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(4)	
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>	Breadth or Elective <sub>(4)</sub>	UD Elective <sub>(4)</sub>	
Breadth or Elective <sub>(4)</sub>	UD Elective(4)	Biochemistry 98I <sub>(1)</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>	Biochemistry 120 <sub>(4)</sub>	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
Cell Biology & Neuroscience 101(4)	Breadth or Elective(4)	Breadth or Elective(4)	

### \*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.

Breadth or Elective(4)

Minimum units 180

**ORGANIC CHEMISTRY-**The CHEM 12 series has been renumbered to CHEM 08 series beginning 2017 fall.

**MATH-** A new MATH 7 series has been introduced for incoming 2017 freshman, <u>please do not enroll in this</u> <u>course as a continuing student.</u> Please continue on the current math pathway you are on.



Fall



**Summer** 

## Biochemistry/Biology Emphasis

## 2017 Fall Catalog and Beyond B.S. 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)

**Spring** 

Winter

	Intermediate Algebra 35(0)	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>
<u>Year One</u>	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	Chemistry 1B, 1LB <sub>(5)</sub>
	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	-
ea	Breadth or Elective(4)		Breadth or Elective(4)	
$\succ$ I	Breadth or Elective <sub>(4)</sub>			
<b>0</b> 1	Chamistry 1C 1I C	Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chamistry 9C/9I C(4)
<u>`</u>	Chemistry 1C, 1LC <sub>(5)</sub>		•	*Biochemistry 100 <sub>(Optional)(4)</sub>
<u>Year Two</u>	Biology 5A, 5LA <sub>(5)</sub> Math 7A <sub>(4)</sub>	Biology 5B <sub>(4)</sub> Math 7B <sub>(4)</sub>	Biology 5C <sub>(4)</sub> Math 46 <sub>(4)</sub>	Diochemistry 100(Optional)(4)
ea	Wiatti / A(4)		Wiatti 40(4)	
×Ι		Biochemistry 15 <sub>(3)</sub>		
431	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	Statistics 100A <sub>(5)</sub>
<u> </u>	Biology 102 <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Year Three	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
gr	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	<b>j</b>	
7				
±۱	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
Year Four	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	UD Biochemistry Elective(4)	
1	UD Biology Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
z i				Minimum units 180
		Math Placemen	t is MATH 5	
	Foll			Summor
	Fall Math 5	Winter	Spring	Summer  Moth 46
잌	Math 5 <sub>(4)</sub>	Winter Math 7A <sub>(4)</sub>	Spring Math 7B <sub>(4)</sub>	<b>Summer</b> Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub>	Winter Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub>	Spring           Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub>	Math 46 <sub>(4)</sub>
at Olic	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub>	Winter Math 7A <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub>	
7117	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub>	Winter Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub>	Spring           Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub>	Winter Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4)	Winter Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4)	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)	Math 46 <sub>(4)</sub>
real two	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)	Math 46 <sub>(4)</sub>
1641 1 WO	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
I mree rear 1 wo	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub> Breadth or Elective <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)	Math 46 <sub>(4)</sub>
ımee rearıwo	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
Year Inree Tear I WO	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
Year Three Year 1 WO	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
Year Three Year 1 WO	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub> English 1C or 1SC <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Biochemistry 184 <sub>(4)</sub> Biochemistry 162 <sub>(5)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry Elective <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
Year Four Year Three Year Two Year One	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub>	Winter  Math 7A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> Statistics 100A <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Spring  Math 7B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)  Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>

	Fall	Winter	Spring	Summer
	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 7A <sub>(4)</sub>	
<u>ne</u>	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</sub>	
Year One	CHEM 1W <sub>(3)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
ea	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
$\overline{\lambda}$				
<b>O</b> I		CI OD OVER (A)		*D' 1 ' 100
Year Two	Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chemistry 8C/8LC(4)	*Biochemistry 100 (Optional) (4)
$\Gamma$	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	
ear	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
X	Math 7B <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 <sub>(4)</sub>	
·				
οl	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B (4)	Biochemistry 110C <sub>(4)</sub>	
Three	Biology 102 <sub>(4)</sub>	Statistics 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
I	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Year				
$\ddot{\lambda}$				
nr	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
Fo	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective(4)	
<u>Year Four</u>	UD Biology Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Ϋ́ε				Minimum units 180
	<u> </u>		•	•

### **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)	
Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
BCH 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	
	CI OD (OLD (A)	CI CI OCION CIA	<u> </u>
Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chemistry 8C/8LC(4)	
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>	
	Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 <sub>(Optional) (4)</sub>	
Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Biology 102 <sub>(4)</sub>	Statistics 100A <sub>(5)</sub>	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)		
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
UD Biology Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)			Minimum units 180

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

	Fall	Winter	Spring	Summer
451	Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>		
<u>)ne</u>	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
r C	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
<u>Year One</u>	BCH 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	
0/0	Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chemistry 8C/8LC(4)	
Year Two	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
sar	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
X		Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional)(4)	
	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
ee	Biology 102 <sub>(4)</sub>	STAT 100A(5)	UD Biochemistry Elective(4)	
擅	Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Year Three	Breadth or Elective <sub>(4)</sub>	Breadth or Elective(4)		
Ye				
	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
101	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Year Fou	UD Biology Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Ye	Breadth or Elective(4)	Breadth or Elective(4)		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.



Fall



Summer

## Biochemistry/Biology Emphasis

### 2016 Fall Catalog and Prior B.S. 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)

Spring

	Intermediate Algebra 35 <sub>(0)</sub>	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>
Year One	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	Chemistry 1B, 1LB <sub>(5)</sub>
	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
ea	Breadth or Elective(4)		Breadth or Elective(4)	
<b>~</b>	Breadth or Elective(4)			
OI	Chemistry 1C, 1LC <sub>(5)</sub>	Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chemistry 8C/8LC(4)
<b>≥</b>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	*Biochemistry 100 <sub>(Optional)(4)</sub>
<u>Year 1 wo</u>	Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	
2	1114411 > 11(4)	Biochemistry 15 <sub>(3)</sub>	1714111 10(1)	
7]		Broomeningary 13(3)		1
) I	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	Statistics 100A <sub>(5)</sub>
	Biology 102 <sub>(4)</sub>	Breadth or Elective(4)	UD Biochemistry Elective(4)	
	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
ı İ	C1	D' - 1 104	IID D'alas Elastica	
3	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
T T T T T T T T T T T T T T T T T T T	English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	UD Biochemistry Elective(4)	
š	UD Biology Elective(4)	UD Biology Elective(4)	Breadth or Elective(4)	
4				Minimum units 180
	Fall	<u>Math Placement</u> Winter		<b>C</b>
	I UII	VV IIILEI	Spring	Summer
	Math 5 <sub>(4)</sub>	Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub>			
	Math 5 <sub>(4)</sub>	Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub>	Math 46 <sub>(4)</sub>
•	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
•	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4)	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)	Math 46 <sub>(4)</sub>
•	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
•	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4)	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4)	Math 46 <sub>(4)</sub>
•	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5(4) English 1A(4) Biochemistry 95(1) Breadth or Elective(4)  Chemistry 8A/8LA(4) Biology 5B(4) Physics 2A, 2LA(5)  Biochemistry 110A(4) Biology 102(4)	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5(4) English 1A(4) Biochemistry 95(1) Breadth or Elective(4)  Chemistry 8A/8LA(4) Biology 5B(4) Physics 2A, 2LA(5)  Biochemistry 110A(4) Biology 102(4)	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 <sub>(Optional) (4)</sub> Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4) Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub> English 1C or 1SC <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Biochemistry 184 <sub>(4)</sub> Biochemistry 162 <sub>(5)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry Elective <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub> Statistics 100A <sub>(5)</sub>	Math 46 <sub>(4)</sub>
	Math 5 <sub>(4)</sub> English 1A <sub>(4)</sub> Biochemistry 95 <sub>(1)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8A/8LA(4) Biology 5B <sub>(4)</sub> Physics 2A, 2LA <sub>(5)</sub> Biochemistry 110A <sub>(4)</sub> Biology 102 <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 109 <sub>(4)</sub>	Math 9A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 8B/8LB(4)  Biology 5C <sub>(4)</sub> Physics 2B, 2LB <sub>(5)</sub> Biochemistry 15 <sub>(3)</sub> Biochemistry 110B <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub>	Math 9B <sub>(4)</sub> Biology 5A, 5LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</sub> Breadth or Elective <sub>(4)</sub> Chemistry 8C/8LC(4) Breadth or Elective <sub>(4)</sub> Physics 2C, 2LC <sub>(5)</sub> *Biochemistry 100 (Optional) (4)  Biochemistry 110C <sub>(4)</sub> UD Biochemistry Elective <sub>(4)</sub> Breadth or Elective <sub>(4)</sub> UD Biology Elective <sub>(4)</sub>	Math 46 <sub>(4)</sub>

	Fall	Winter	Spring	Summer
	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 9A <sub>(4)</sub>	
T Can Cilic	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Biology 5A, 5LA <sub>(5)</sub>	
	CHEM 1W(3)	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
2	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
1				
2	Chemistry 8A/8LA(4)	Chemistry 8B/8LB(4)	Chemistry 8C/8LC(4)	*Biochemistry 100 (Optional) (4)
ıcalıwo	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	
i j	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
1	Math 9B <sub>(4)</sub>	Biochemistry 15 <sub>(3)</sub>	Math 46 <sub>(4)</sub>	
•				
ומ	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B (4)	Biochemistry 110C <sub>(4)</sub>	
TITLE	Biology 102 <sub>(4)</sub>	UD Biochemistry Elective(4)	UD Biochemistry Elective(4)	
	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
1001				
	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
ı cai ı oui	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
11		•		
2	UD Biology Elective(4)	UD Biology Elective(4)	Breadth or Elective <sub>(4)</sub>	37.4
٦				Minimum units 180

### **Math Placement is MATH 9A**

Fall	Winter	Spring	Summer
Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46 <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>	
BCH 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 <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>	
	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>	Breadth or Elective(4)	UD Biochemistry Elective(4)	
Breadth or Elective(4)	UD Biochemistry Elective(4)	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 Biology Elective(4)	
English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
UD Biology Elective(4)	UD Biology Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)			Minimum units 180

Year One

Year Two

Year Fou Year Three

### **Math Placement is MATH 9B**

	Fall	Winter	Spring	Summer
451	Math 9B <sub>(4)</sub>	Math 46 <sub>(4)</sub>		
<u>Year One</u>	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective(4)	
r C	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
/ea	BCH 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	
<b>~</b> 1				
01		T		
M <sub>C</sub>	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
Ĺ	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
Year Two	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
$\prec$		Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional)(4)	
	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
ee	Biology 102 <sub>(4)</sub>	Breadth or Elective(4)	UD Biochemistry Elective(4)	
III	Breadth or Elective(4)	UD Biochemistry Elective(4)	Breadth or Elective(4)	
Year Three	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>		
Ke				
	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biology Elective(4)	
<u>[</u> 5]	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	STAT 100A(5)	
Year Four	UD Biology Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Хe	Breadth or Elective <sub>(4)</sub>	UD Biology Elective(4)		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.

**ORGANIC CHEMISTRY-**The CHEM 12 series has been renumbered to CHEM 08 series beginning 2017 fall.

MATH- A new MATH 7 series has been introduced for incoming 2017 freshman, please do not enroll in this course as a continuing student. Please continue on the current math pathway you are on.



Year One

Year Three

Year Four

Year Four Year Three



Minimum units 180

# Biochemistry/Chemistry Emphasis

### 2017 Fall Catalog and Beyond B.S. 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(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)			
Breadth or Elective(4)			
			T
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>	
	Biochemistry 15 <sub>(3)</sub>		
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>	Chemistry 5 <sub>(5)</sub>	UD Biochemistry Elective(4)	Physics 2C, 2LC <sub>(5)</sub>
Breadth or Elective(4)	Breadth or Elective(4)	Physics 2A, 2LA <sub>(5)</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>	Statistics 100A <sub>(5)</sub>	
UD Chemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
			Minimum units 180

### **Math Placement is MATH 5**

Math 46 <sub>(4)</sub> Chemistry 1C, 1LC <sub>(5)</sub>
Chemistry 1C, 1LC <sub>(5)</sub>
Chemistry 1C, 1LC <sub>(5)</sub>

	Fall	Winter	Spring	Summer
	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 7A <sub>(4)</sub>	
ne	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
<u>Year One</u>	Chemistry 1W <sub>(3)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
ea	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
$\succ$				
01				T .=
<u></u>	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
Ĺ	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	
Year Two	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Ϋ́	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>	
Tr.	Biology 102 <sub>(4)</sub>	Chemistry 5 <sub>(5)</sub>	UD Biochemistry Elective(4)	
rr ]	Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Year Three				
II.	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective(4)	
Ю	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
Year Four	UD Chemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Ye	-			Minimum units 180
		•		<b>-</b>

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

	Fall	Winter	Spring	Summer
	.Math 7A <sub>(4)</sub>	Math 7B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	
ne	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
O L	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
<u>Year One</u>	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>	
[ق	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
L J	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Year Two		Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional) (4)	
40I	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
ıre	Biology 102 <sub>(4)</sub>	Chemistry 5 <sub>(5)</sub>	UD Biochemistry Elective(4)	
Τ̈́	Breadth or Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Year Three	Breadth or Elective <sub>(4)</sub>		Breadth or Elective(4)	
Χe				
<u>د</u> ا	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective(4)	
ino	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
Year Four	UD Chemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
<u>rea</u>	Breadth or Elective <sub>(4)</sub>			Minimum units 180

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

Fall	Winter	Spring	Summer
Math 7B <sub>(4)</sub>	Math 46 <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>	
	Math 7B <sub>(4)</sub> English 1A <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub>	Math 7B <sub>(4)</sub> Math 46 <sub>(4)</sub> English 1A <sub>(4)</sub> English 1B <sub>(4)</sub> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</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> Chemistry 1A, 1LA <sub>(5)</sub> Chemistry 1B, 1LB <sub>(5)</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 5C <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
Ī	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Ī		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>	Breadth or Elective(4)	UD Biochemistry Elective(4)	
Breadth or Elective(4)	Chemistry 5 <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)		Breadth or Elective(4)	

Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective <sub>(4)</sub>	
English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	Statistics 100A <sub>(5)</sub>	
UD Chemistry Elective(4)	Breadth or 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.



Year One

Year Two

Year Three

Year Four

Year One

Year Four Year Three



Minimum units 180

## Biochemistry/Chemistry Emphasis

### 2017 Fall Catalog and Prior **B.S. 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(4)	Chemistry 1B, 1LB <sub>(5)</sub>	
Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective(4)		
Breadth or Elective(4)				
Breadth or Elective(4)				
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 $9A_{(4)}$	Math 9B <sub>(4)</sub>	Math 46 <sub>(4)</sub>		
	Biochemistry 15 <sub>(3)</sub>			
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>	Chemistry 5 <sub>(5)</sub>	UD Chemistry Elective(4)	Physics 2C, 2LC <sub>(5)</sub>	
Statistics 100A <sub>(5)</sub>	Breadth or Elective(4)	Physics 2A, 2LA <sub>(5)</sub>		
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Chemistry Elective(4)		
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	UD Biochemistry Elective(4)		
UD Biochemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)		
			Minimum units 180	
	16 (1 D)	A DEATHER S		
	Math Placemen	nt is MATH 5		
Fall	Winter	Spring	Summer	

Fall	Winter	Spring	Summer
Math 5 <sub>(4)</sub>	Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46(4)
English 1A(4)	English 1B <sub>(4)</sub>	Breadth or Elective(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>	
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>	
	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>	Chemistry 5 <sub>(5)</sub>	UD Chemistry Elective(4)	
Statistics 100A <sub>(5)</sub>	Breadth or Elective <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biochemistry Elective(4)	_
English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	UD Chemistry Elective(4)	
UD Biochemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
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	Fall	Winter	Spring	Summer
	Math 6A <sub>(4)</sub>	Math 6B <sub>(4)</sub>	Math 9A <sub>(4)</sub>	
ne	English 1A(4)	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
Year One	Chemistry 1W <sub>(3)</sub>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>
<u>ea</u>	Biochemistry 95 <sub>(1)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
$\succ$ I				
N N	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	*Biochemistry 100 (Optional) (4)
Ĺ	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B <sub>(4)</sub>	Biology 5C <sub>(4)</sub>	
Year Two	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
$\prec$	Math $9B_{(4)}$	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>	
	Biology 102 <sub>(4)</sub>	Chemistry 5 <sub>(5)</sub>	UD Chemistry Elective(4)	
lr.]	Statistics 100A <sub>(5)</sub>	Breadth or Elective(4)	Breadth or Elective(4)	
Year Three				
Ħ	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biochemistry Elective(4)	
Fo	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	UD Chemistry Elective(4)	
<u>Year Four</u>	UD Biochemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Ye				Minimum units 180

### **Math Placement is MATH 9A**

	Fall	Winter	Spring	Summer
	.Math 9A <sub>(4)</sub>	Math 9B <sub>(4)</sub>	Math 46 <sub>(4)</sub>	
ne	English 1A <sub>(4)</sub>	English 1B <sub>(4)</sub>	Breadth or Elective <sub>(4)</sub>	
<u> </u>	Chemistry 1A, 1LA <sub>(5)</sub>	Chemistry 1B, 1LB <sub>(5)</sub>	Chemistry 1C, 1LC <sub>(5)</sub>	
<u>Year One</u>	Biochemistry 95 <sub>(1)</sub>	Biology 5A, 5LA <sub>(5)</sub>	Biology 5B(4)	
r 1				
CI	Chemistry 8A/8LA <sub>(4)</sub>	Chemistry 8B/8LB <sub>(4)</sub>	Chemistry 8C/8LC <sub>(4)</sub>	
<b>ĕ</b>	Biology 5C <sub>(4)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
H	Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</sub>	
Year Two		Biochemistry 15 <sub>(3)</sub>	*Biochemistry 100 (Optional) (4)	
471	Biochemistry 110A <sub>(4)</sub>	Biochemistry 110B <sub>(4)</sub>	Biochemistry 110C <sub>(4)</sub>	
Year Three	Biology 102 <sub>(4)</sub>	Chemistry 5 <sub>(5)</sub>	UD Chemistry Elective(4)	
GT	Statistics 100A <sub>(5)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
šar	Breadth or Elective <sub>(4)</sub>		Breadth or Elective <sub>(4)</sub>	
H				
⊑i	Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biochemistry Elective(4)	
no	English 1C or 1SC(4)	Biochemistry 162 <sub>(5)</sub>	UD Chemistry Elective <sub>(4)</sub>	
Year Four	UD Biochemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
ea	Breadth or Elective <sub>(4)</sub>			Minimum units 180

### **Math Placement is MATH 9B**

Fall	Winter	Spring	Summer
Math 9B <sub>(4)</sub>	Math 46 <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>	
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(4)	
Physics 2A, 2LA <sub>(5)</sub>	Physics 2B, 2LB <sub>(5)</sub>	Physics 2C, 2LC <sub>(5)</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>	Chemistry 5 <sub>(5)</sub>	UD Chemistry Elective(4)	
Statistics 100A <sub>(5)</sub>	Breadth or Elective(4)	Breadth or Elective <sub>(4)</sub>	
Breadth or Elective(4)		Breadth or Elective <sub>(4)</sub>	
Chemistry 109 <sub>(4)</sub>	Biochemistry 184 <sub>(4)</sub>	UD Biochemistry Elective(4)	
English 1C or 1SC <sub>(4)</sub>	Biochemistry 162 <sub>(5)</sub>	UD Chemistry Elective <sub>(4)</sub>	
UD Biochemistry Elective(4)	Breadth or Elective(4)	Breadth or Elective(4)	
Breadth or Elective(4)		Breadth or Elective(4)	Minimum units 18

### \*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.

**ORGANIC CHEMISTRY-**The CHEM 12 series has been renumbered to CHEM 08 series beginning 2017 fall.

**MATH-** A new MATH 7 series has been introduced for incoming 2017 freshman, <u>please do not enroll in this</u> <u>course as a continuing student.</u> Please continue on the current math pathway you are on.

