

# Chemistry Major

## *B.S. Sample Program Plans*

### Math Placement is Math009A

	Fall	Winter	Spring
<b>Year One</b>	CHEM001A, 1LA (5) MATH009A (4) ENGL001A (4) H/SS Breadth (4)	CHEM001B, 1LB (5) MATH009B (4) ENGL001B (4) PHYS040A (5)	CHEM001C, 1LC (5) MATH009C (4) PHYS040B (5)
Units			
Term	17	18	14
<b>Year Two</b>	CHEM08A, LA (4) PHYS040C (5) MATH010A (4)	CHEM08B, LB (4) CHEM005 (5) MATH010B (4) <sup>2</sup> H/SS Breadth (4)	CHEM08C, LC (4) MATH046 (4) Biol course w/lab (4) H/SS Breadth (4)
Units			
Term	13	17	16
<b>Year Three</b>	CHEM110A (4) CHEM125W (5) <sup>1</sup> Elective Breadth (4) Elective Breadth (4)	CHEM110B (4) CHEM150A (4) CHEM143 (3) Elective Breadth (4)	CHEM113 (4) CHEM150B (4) CHEM191 (1) CHEM166 (4)
Units			
Term	17	15	13
<b>Year Four</b>	Elective Breadth (4) Elective Breadth (4) Elective Breadth (4)	CHEM111 (4) Elective Breadth (4) Elective Breadth (4)	CHEM140/114 (4) <sup>2</sup> Elective Breadth (4) Elective Breadth (4) Elective Breadth (4)
Units			
Term	12	12	16

<sup>1</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>2</sup> Chem 140 and Chem 114 are offered in alternate years.

Note: Humanities/Social Science and additional science breadth (elective) can be taken in any order. See UCR catalog for elective options.

#### Math Sequences:

ARC or MATH 6:           ARC 35 – MATH 6A – MATH 6B – MATH 9A – MATH 9B – MATH 9C

MATH 5 or 9:            MATH 5 – MATH 9A – MATH 9B – MATH 9C



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## *B.S. Sample Program Plans*

### Math Placement is Math005

	Fall	Winter	Spring	Summer
<b>Year One</b>	CHEM 001W (3) MATH005 (5) ENGL001A (4) H/SS Breadth (4)	CHEM001A, 1LA (5) MATH009A (4) ENGL001B (4) H/SS Breadth (4)	CHEM001B, 1LB (5) MATH009B (4) Biol course w/lab (4)	CHEM001C, 1LC (5) MATH009C (4)
Units				
Term	16	17	13	9
<b>Year Two</b>	CHEM08A, LA (4) MATH010A (4) PHYS040A (5)	CHEM08B, LB (4) MATH010B (4) PHYS040B (5)	CHEM08C, LC (4) MATH046 (4) PHYS040C (5)	CHEM005 (5)
Units				
Term	13	13	13	5
<b>Year Three</b>	CHEM110A (4) CHEM125W (5) <sup>1</sup> Elective Breadth (4) Elective Breadth (4)	CHEM110B (4) CHEM150A (4) Elective Breadth (4)	CHEM113 (4) CHEM150B (4) CHEM191 (1) CHEM166 (4)	
Units				
Term	17	12	13	
<b>Year Four</b>	Elective Breadth (4) Elective Breadth (4) Elective Breadth (4) H/SS Breadth (4)	CHEM111 (4) CHEM143 (3) Elective Breadth (4) Elective Breadth (4)	CHEM140/114 (4) <sup>2</sup> Elective Breadth (4) H/SS Breadth (4)	
Units				
Term	16	15	12	

<sup>1</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>2</sup> Chem 140 and Chem 114 are offered in alternate years.

Note: Humanities/Social Science and additional science breadth (elective) can be taken in any order. See UCR catalog for elective options.

#### Math Sequences:

ARC or MATH 6:           ARC 35 – MATH 6A – MATH 6B – MATH 9A – MATH 9B – MATH 9C

MATH 5 or 9:            MATH 5 – MATH 9A – MATH 9B – MATH 9C



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## *B.S. Sample Program Plans*

### Math Placement is Math006A

	Fall	Winter	Spring	Summer
<b>Year One</b>	CHEM001W (3) MATH006A (4) ENGL001A (4) H/SS Breadth (4)	CHEM001A, 1LA (5) MATH006B (4) ENGL001B (4) H/SS Breadth (4)	CHEM001B, 1LB (5) MATH009A (4) Biol course w/lab (4)	CHEM001C, 1LC (5) MATH009B (4)
	15	17	13	9
<b>Year Two</b>	CHEM08A, LA (4) MATH009C (4) PHYS040A (5)	CHEM08B, LB (4) MATH010A (4) PHYS040B (5)	CHEM08C, LC (4) MATH010B (4) PHYS040C (5)	CHEM005 (5)
	13	13	13	5
<b>Year Three</b>	CHEM110A (4) MATH046 (4) CHEM125W (5) <sup>1</sup> Elective Breadth (4)	CHEM110B (4) CHEM150A (4) Elective Breadth (4) Elective Breadth (4)	CHEM113 (4) CHEM150B (4) CHEM191 (1) CHEM166 (4)	
	17	16	13	
<b>Year Four</b>	Elective Breadth (4) Elective Breadth (4) H/SS Breadth (4)	CHEM111 (4) CHEM143 (3) Elective Breadth (4) H/SS Breadth (4)	CHEM140/114 (4) <sup>2</sup> Elective Breadth (4) Elective Breadth (4)	
	12	15	12	

<sup>1</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>2</sup> Chem 140 and Chem 114 are offered in alternate years.

Note: Humanities/Social Science and additional science breadth (elective) can be taken in any order. See UCR catalog for elective options.

#### Math Sequences:

ARC or MATH 6:           ARC 35 – MATH 6A – MATH 6B – MATH 9A – MATH 9B – MATH 9C

MATH 5 or 9:            MATH 5 – MATH 9A – MATH 9B – MATH 9C



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## *B.S. Sample Program Plans*

### Math Placement is ARC35

	Fall	Winter	Spring	Summer
<b>Year One</b>	ARC 35 ENGL001A (4) H/SS Breadth (4) H/SS Breadth (4)	MATH006A (4) ENGL001B (4) H/SS Breadth (4)	MATH006B (4) H/SS Breadth (4) H/SS Breadth (4)	MATH009A (4) MATH009B (4)
Units				
Term	12	12	12	8
<b>Year Two</b>	CHEM001A, 1LA (5) MATH009C (4) PHYS040A (5)	CHEM001B, 1LB (5) MATH010A (4) PHYS040B (5)	CHEM001C, 1LC (5) MATH010B (4) PHYS040C (5)	CHEM08A, LA (4) CHEM08B, LB (4)
Units				
Term	13	13	13	8
<b>Year Three</b>	CHEM110A (4) CHEM08C, LC (4) MATH046 (4) Biol course w/lab (4/5)	CHEM005 (5) CHEM110B (4) CHEM150A (4) Elective Breadth (4)	CHEM113 (4) CHEM150B (4) CHEM191 (1) CHEM 166 (4)	
Units				
Term	16/17	17	13	
<b>Year Four</b>	CHEM125W (5) <sup>1</sup> Elective Breadth (4) Elective Breadth (4) H/SS Breadth (4)	CHEM111 (4) CHEM143 (3) Elective Breadth (4) H/SS Breadth (4)	CHEM140 (4) Elective Breadth (4) Elective Breadth (4)	
Units				
Term	17	15	12	

<sup>1</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>2</sup> Chem 140 and Chem 114 are offered in alternate years.

Note: Humanities/Social Science and additional science breadth (elective) can be taken in any order. See UCR catalog for elective options.

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ARC or MATH 6:           ARC 35 – MATH 6A – MATH 6B – MATH 9A – MATH 9B – MATH 9C

MATH 5 or 9:           MATH 5 – MATH 9A – MATH 9B – MATH 9C

