

# Chemistry Major

## *B.A. 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) H/SS Breadth (4)	CHEM001C, 1LC (5) MATH009C (4) Biol course w/lab (4/5)
	17	17	13/14
<b>Year Two</b>	CHEM08A, LA (4) MATH010A (4) PHYS040A <sup>1</sup> (5) H/SS Breadth (4)	CHEM08B, LB (4) CHEM005 (5) PHYS040B <sup>1</sup> (5)	CHEM08C, LC (4) PHYS040C <sup>1</sup> (5) H/SS Breadth (4)
	17	14	13
<b>Year Three</b>	CHEM110A (4) CHEM125W <sup>2</sup> (5) Elective Breadth (4) Language 1 (4)	CHEM110B (4) CHEM150A (4) Elective Breadth (4) Language 2 (4)	CHEM113 (4) CHEM191 (1) CHEM UD Elective (4) <sup>3</sup> Language 3 (4)
	17	16	13
<b>Year Four</b>	Elective Breadth (4) Elective Breadth (4) Elective Breadth (4) Language 4 (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4) Elective Breadth (4)	Elective Breadth (4) Elective Breadth (4) CHEM UD Elective (4) <sup>3</sup>
	16	16	12

<sup>1</sup> May take PHYS 002A & 02LA, 002B & 02LB, 002C & 02LC or PHYS 040ABC to fulfill Physics requirement for BA program.

<sup>2</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>3</sup> UD elective - one of Chem 111, 166, 140/114, plus ten more units. Chem 166 is designed to be taken in Spring, Year 3.

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



# Chemistry Major

## *B.A. Sample Program Plans*

### Math Placement is Math005

	Fall	Winter	Spring	Summer
<b>Year One</b>	CHEM001W (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 (4/5)	CHEM001C, 1LC (5) MATH009C (4)
	15	17	13/14	9
<b>Year Two</b>	CHEM08A, LA (4) MATH010A (4) PHYS040A (5) <sup>1</sup> H/SS Breadth (4)	CHEM08B, LB (4) CHEM005 (5) PHYS040B (5) <sup>1</sup>	CHEM08C, LC (4) PHYS040C (5) <sup>1</sup> Language 1 (4)	
	17	14	13	
<b>Year Three</b>	CHEM110A (4) CHEM125W <sup>2</sup> (5) Elective Breadth (4) Language 2 (4)	CHEM110B (4) CHEM150A (4) Elective Breadth (4) Language 3 (4)	CHEM113 (4) CHEM191 (1) CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4)	
	17	16	13	
<b>Year Four</b>	Elective Breadth (4) Elective Breadth (4) Language 4 (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4) Elective Breadth (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4)	
	12	16	12	

<sup>1</sup> May take PHYS 002A & 02LA, 002B & 02LB, 002C & 02LC or PHYS 040ABC to fulfill Physics requirement for BA program.

<sup>2</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>3</sup> UD elective - one of Chem 111, 166, 140/114, plus ten more units. Chem 166 is designed to be taken in Spring, Year 3.

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



# Chemistry Major

## *B.A. 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)
	15	17	13	5
<b>Year Two</b>	CHEM08A, LA (4) MATH009B (4) PHYS002A, LA (5) <sup>1</sup> H/SS Breadth (4)	CHEM08B, LB (4) MATH009C (4) PHYS002B, LB (5) <sup>1</sup>	CHEM08C, LC (4) MATH010A (4) PHYS002C, LC (5) <sup>1</sup> H/SS Breadth (4)	CHEM005 (5)
	17	13	17	5
<b>Year Three</b>	CHEM110A (4) CHEM125W (5) Language 1 (4)	CHEM110B (4) CHEM150A (4) Elective Breadth (4) Language 2 (4)	CHEM113 (4) CHEM191 (1) CHEM UD Elective (4) <sup>3</sup> Language 3 (4)	
	13	16	13	
<b>Year Four</b>	H/SS Breadth (4) Elective Breadth (4) Language 4 (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4)	
	12	14	12	

<sup>1</sup> May take PHYS 040ABC or PHYS 002A & 02LA, 002B & 02LB, 002C & 02LC to fulfill Physics requirement for BA program.

<sup>2</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>3</sup> UD elective - one of Chem 111, 166, 140/114, plus ten more units. Chem 166 is designed to be taken in Spring, Year 3.

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



# Chemistry Major

## *B.A. Sample Program Plans*

### Math Placement is ARC 35

	Fall	Winter	Spring	Summer
<b>Year One</b>	ARC35 (0) ENGL001A (4) H/SS Breadth (4) H/SS Breadth (4)	MATH006A (5) ENGL001B (4) H/SS Breadth (4)	MATH006B (5) H/SS Breadth (4) H/SS Breadth (4)	CHEM001A, 1LA (5) CHEM001B, 1LB (5)
	12	13	13	10
<b>Year Two</b>	CHEM001C, 1LC (5) MATH009A (4) Biol course w/lab (4/5)	CHEM08A, LA (4) MATH009B (4) PHYS002A, LA (5) <sup>1</sup>	CHEM08B, LB (4) MATH009C (4) PHYS002B, LB (5) <sup>1</sup>	MATH010A (4) PHYS002C, LC (5) <sup>1</sup>
	13/14	13	13	9
<b>Year Three</b>	CHEM110A (4) CHEM112C (4) Sci Breadth (4) Language 1 (4)	CHEM005 (5) CHEM110B (4) H/SS Breadth (4) Language 2 (4)	CHEM113 (4) CHEM191 (1) CHEM UD Elective (4) <sup>3</sup> Language 3 (4)	
	16	17	13	
<b>Year Four</b>	CHEM125W (5) <sup>2</sup> Elective Breadth (4) Elective Breadth (4) Language 4 (4)	CHEM UD Elective (4) <sup>3</sup> CHEM150A (4) Elective Breadth (4)	CHEM UD Elective (4) <sup>3</sup> Elective Breadth (4) Elective Breadth (4)	
	17	12	12	

<sup>1</sup> May take PHYS 040ABC or PHYS 002A & 02LA, 002B & 02LB, 002C & 02LC to fulfill Physics requirement for BA program.

<sup>2</sup> Chem 125W will also fulfill the Eng001C requirement with an earned grade of C or higher.

<sup>3</sup> UD elective - one of Chem 111, 166, 140/114, plus ten more units. Chem 166 is designed to be taken in Spring, Year 3.

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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