

DUQUESNE UNIVERSITY
Suggested Sequence for B.S. in Chemistry and M.S. in Education

Freshman Year (Fall)	CR	Freshman Year (Spring)	CR
CHEM 121/121L Chemistry I/Lab	5	CHEM 122/122L Chemistry II/Lab	5
BIOL 111/113 Biology I/Lab	4	BIOL 112/114 Biology II/Lab	4
UCOR 101 Thinking & Writing	3	UCOR 102 Imag. Lit & Critical Writing	3
MATH 115 Calculus I	4	MATH 116 Calculus II	<u>4</u>
COSC 030 Research/Info Skills	<u>1</u>		
	17		16
Sophomore Year (Fall)	CR	Sophomore Year (Spring)	CR
CHEM 211H/211LH Honor's O-Chem I/Lab	4	CHEM 212H/212LH Honor's O-Chem II/Lab	4
PHYS 111 Gen Analytical Physics I	4	PHYS 212 Gen Analytical Physics II	4
UCOR Theology Requirement	3	CHEM 230L Research Lab Techniques	2
UCOR 132 Basic Philosophical Questions	3	SPRG 105 Career Development Seminar	1
MATH 215 Calculus III	<u>4</u>	ENGL 302W Science Writing	3
		GENL General Elective	<u>3</u>
	18		17
Junior Year (Fall)	CR	Junior Year (Spring)	CR
CHEM 321 Physical Chemistry	4	CHEM 322 Physical Chemistry II	4
CHEM 423 Analytical Chemistry	3	CHEM 311 Inorganic Chemistry	3
CHEM 401 Biochemistry I	3	HIST 307 History of Science	3
UCOR Ethics Requirement	3	UCOR Faith and Reason Requirement	3
UCOR Global Diversity Requirement	<u>3</u>	UCOR Social Justice Requirement	<u>3</u>
	16		16
Junior Year (Summer)	CR		
GSCE 520 Introduction to Teaching	3		
GRLA 529/521 Reading in Sec. Schools or Reading Program Instruction	3		
GREV 525 Educational Research Literacy	<u>3</u>		
	9		
Senior Year (Fall)	CR	Senior Year (Spring)	CR
CHEM 325L/R Integrated Lab I	4	CHEM 425L/R Integrated Lab II	4
CHEM ___ Chemistry Elective*	3	CHEM 475 Senior Seminar	1
CHEM ___ Chemistry Elective*	3	CHEM ___ Chemistry Elective*	3
UCOR Creative Arts Requirement	3	UCOR 124 Core Earth Science	3
GENL General Elective	3	GSPE 661/661/625 Disabilities or Gifted or Inclusive Education (pick two)	<u>6</u>
GSCE 58x Field Experience	0		
GSCE 570 Gateway 1 Technology	<u>1</u>		
	17		17
Senior Year (Summer)	CR		
GESL 508/503/646 Cultural or Multicultural or Intercultural Education Literature	3		
GSCE 571 Gateway 2 Diversity	0		
GFDE 510 Theories of Teaching	<u>3</u>		
	6		
Fifth Year (Fall)	CR	Fifth Year (Spring)	CR
GSCE 631 Instructional Techniques	3	GSCExxx Student Teaching	9
GSCE 636 Teaching Sec. School Science	3	GSCE 573 Gateway 4 Leadership	<u>0</u>
GSCExxx Field Experience	1		
GSCE 572 Gateway 3 Readiness for Teaching	0		
GSCE 635 Teaching Sec. School Math (optional for math certification)	<u>3</u>		
	10		9

Total = 160 credits

The University will offer various courses each semester to satisfy the UCOR requirements. UCOR courses can be taken in any sequence throughout the undergraduate curriculum.

*Chemistry electives include any course numbered CHEM 275, 402, 391, 503, 504, 534, 540, 546, 548, 565, 574, 585, 586, 587.

Note: Undergraduate research is strongly encouraged, especially during the junior year.