

UNIVERSITY DELL REQUIREMENTS (42 Credits)

Core (12 Credits)

	SEM	GR
COMM 101 Oral Argumentation & Advocacy	_____	_____
ENGL 123W College Writing Workshop	_____	_____

Integrative Seminars

	NMBR	SEM	GR
DELL 100-level First-Year Seminar	_____	_____	_____
DELL 400-level Senior-Year Seminar	_____	_____	_____

Artistic & Creative Thinking* (3 Credits)

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Ethics or Civic Engagement* (3 Credits)

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Historical Interpretation* (3 Credits)

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Language & Intercultural Competence** (6 Credits)

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Literary Analysis* (3 Credits)

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Living Well* (2 Credits)

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Quantitative Reasoning* (3 Credits)

****MATH 103 Counts for this DELL Requirement**** _____

A Second Quantitative Reasoning course is NOT required.

Scientific Literacy* (4 Credits)

****CHEM 111 Counts for this DELL Requirement**** _____

A Second Scientific Literacy course is NOT required.

Social Science Literacy* (3 Credits)

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FREE ELECTIVES*** (33 Credits)

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MAJOR REQUIREMENTS (56 Credits)

Chemistry Core (50 Credits)

	SEM	GR
CHEM 111 Fundamentals of Chemistry I	_____	_____
CHEM 112 Fundamentals of Chemistry II	_____	_____
CHEM 221 Organic Chemistry I	_____	_____
CHEM 222 Organic Chemistry II	_____	_____
CHEM 242 Research Methods	_____	_____
CHEM 359 Analytical Chemistry I	_____	_____
CHEM 360 Analytical Chemistry II	_____	_____
CHEM 441 Chemistry Seminar	_____	_____
CHEM 421 Physical Chemistry I	_____	_____
CHEM 422 Physical Chemistry II	_____	_____
MATH 103 Calculus I	_____	_____
MATH 104 Calculus II	_____	_____
PHYS 141 or 161	_____	_____
PHYS 142 or 162	_____	_____

Chemistry Elective^a (3 Credits)

Any CHEM course 200+ level or above	_____	_____
BIOM 312 (Forensic Science) also accepted	_____	_____

Research (3 Credits)

CHEM 461 Senior Research	_____	_____
CHEM 462 Senior Research	_____	_____

NOTES

*Refer to the class schedule for lists of courses that satisfy University requirements.

**Must take two sequential courses.

***Courses that do not satisfy a major or DELL requirement. Can include coursework for a minor.

^aChoose one CHEM course 200+ or above including CHEM 206 (environmental chemistry), CHEM 320 (biochemistry), fermentation chemistry or special topics offerings.

Total credits required for graduation: 124 Credits

For graduation with Honors, see Undergraduate Catalog

Chemistry Major (Bachelor of Science) Sample Four Year Plan

While not all students will take all the courses in the same sequence, the guide below can be used in combination with the online graduation progress report as a pathway to degree completion. See the Academic Regulations in the University of Lynchburg Undergraduate Catalog for all academic degree requirements. Students should consult their major advisor for more specific guidance.

Blue = Classes for Chemistry Major = 56 Credits Green = Electives = 33 Credits Pink = Core Curriculum = 12 Credits

Yellow = DELL Gen Ed Classes = 23 Credits

*** CHEM111 counts towards major and DELL, MATH 103 counts towards major and DELL ***

Neither a second Quantitative Reasoning nor a second Scientific Literacy course is required to fulfill DELL requirements

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Semester 1		Hr s	√	Grad e		Semester 2		Hr s	√	Grad e
(CHEM 111) – Fundamentals of Chemistry I	4					(CHEM 112) – Fundamentals of Chemistry II	4			
Math 103	3					Math 104	3			
Language & Intercultural Competence I	3					Language & Intercultural Competence II	3			
(DELL 100-level) First-Year Seminar	3					ENGL 123W	3			
College Success Strategies (G S 104)**	1					COMM 101	3			
** Not required but strongly suggested.										
Semester Credits:		14	Semester QPA:			Semester Credits:		16	Semester QPA:	
Semester 3		Hr s				Semester 4		Hr s		
(CHEM 242) – Research Methods	3					(CHEM 222) – Organic Chemistry II	4			
(CHEM 221) – Organic Chemistry I	4					(PHYS 161) – Physics II	4			
(PHYS 161) – Physics I	4					Artistic & Creative Thinking	3			
Living Well	2					Elective or Minor	6			
Elective or Minor	3									
Semester Credits:		16	Semester QPA:			Semester Credits:		17	Semester QPA:	
Semester 5		Hr s				Semester 6		Hr s		
(CHEM 359) – Analytical Chemistry I	4					(CHEM 360) – Analytical Chemistry II	4			
(CHEM 200 level) – Chemistry elective**	3					Elective or Minor	6			
Elective or Minor	6					Social Scientific Literacy	3			
Ethics or Civic Engagement	3					Literary Analysis	3			
** Any CHEM course 200 level or above. Also, BIOM 312 – Forensic Science is also accepted										
Semester Credits:		16	Semester QPA:			Semester Credits:		16	Semester QPA:	
Semester 7		Hr s				Semester 8		Hr s		
(CHEM 421) – Physical Chemistry I	4					(CHEM 422) – Physical Chemistry II	4			
(CHEM 461) – Senior Research	2					(CHEM 462) – Senior Research	1			
(CHEM 441) – Chemistry Seminar	1					Elective or Minor	6			
Elective or Minor	6					(DELL 400W-level) Senior-Year Seminar	3			
Historical Interpretation	3									
Semester Credits:		16	Semester QPA:			Semester Credits:		14	Semester QPA:	
Total Credits Required to Graduate:										124