Suggested Course Sequence – 2012-2013 Catalog

Milligan College, TN
www.milligan.edu | 423.461.8700

CHEMISTRY (BS) [32 hours in Chemistry]

Fall Semester	Hours	Spring Semester	Hours
Freshman			
BIBL 123 Old Testament Survey	3	BIBL 124 New Testament Survey	3
HUMN 101 Ancient & Medieval Cult.	4	HUMN 102 Renais. & Early Mod. Cult.	4
MLGN 100 Intro to College & Service	½	COMP 111 Rhetorical Composition	3
CHEM 170 General Chemistry I	4	HPXS 101 Fitness for Life	1
Social Learning Course	3	CHEM 171 General Chemistry II	4
TOTAL	*14.5*	*TOTAL*	*15*
Sophomore		***Sophomore***	
HUMN 201 18th & 19th Cent. Cult.	4	HUMN 202 Cult./20th & Early 21st Cent.	4
CHEM 301 Organic Chemistry I	3	CHEM 302 Organic Chemistry II	5
MATH 211 PreCalc/Calculus I	4	MATH 212 Calculus II (*)	4
COMP 211 Found. Analytical Comp.	3	COMM 102 Speech Communication (†)	3
General Elective	3	MLGN 200 Intro to Calling & Career	½
TOTAL	*17*	*TOTAL*	*16.5*
Junior		***Junior***	
CHEM 202 Quantitative Analysis	4	CHEM Elective	4
PHYS 203 General Physics I	4	PHYS 204 General Physics II	4
MATH 307 Linear Algebra (**)	3	Ethnic Studies Course	3
General Elective	3	General Electives	6
TOTAL	*15*	*TOTAL*	*17*
Senior		***Senior***	
CHEM Elective	4	CHEM Elective	4
General Electives	13	BIBL 471 Christ & Culture	3
		General Electives	9
TOTAL	*17*	*TOTAL*	*16*

[The minimum total of 128 hours for graduation are shown]
(*) MATH 212 is <u>required</u> as a prerequisite for CHEM 401 and 402
(**) MATH 307 is <u>highly recommended</u> as a prerequisite for CHEM 402
(†) Students may choose COMM 103 Public Speaking (2 hr course) if they have checked with their advisers to see if this choice fits with their post-baccalaureate plans.

Depending upon a student's post-baccalaureate plans, other courses may be required for admission to graduate programs so please CONSULT with your adviser.

<u>FALL Chemistry Electives</u>
CHEM 310 Biochemistry
CHEM 401 Physical Chemistry

<u>SPRING Chemistry Electives</u>
CHEM 203 Instrumental Analysis
CHEM 402 Quantum Chemistry

<u>Offered as Needed:</u>
CHEM 311 Organic Qualitative Analysis
CHEM 405 Adv. Inorganic Chemistry
CHEM 405L Adv. Inorganic Chem. Lab
CHEM 490 Research Problem
CHEM 491 Internship with Crown Labs (Quality Control & Quality Assurance)
CHEM 495 Seminar

Suggested Course Sequence – 2012-2013 Catalog

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CHEMISTRY (BA) [24 hours in Chemistry]

Fall Semester	Hours	Spring Semester	Hours
Freshman			
BIBL 123 Old Testament Survey	3	BIBL 124 New Testament Survey	3
HUMN 101 Ancient & Medieval Cult.	4	HUMN 102 Renais. & Early Mod. Cult.	4
MLGN 100 Intro to College & Service	½	COMP 111 Rhetorical Composition	3
CHEM 170 General Chemistry I	4	HPXS 101 Fitness for Life	1
Social Learning Course	3	CHEM 171 General Chemistry II	4
TOTAL	*14.5*	*TOTAL*	*15*

Sophomore		***Sophomore***	
HUMN 201 18th & 19th Cent. Cult.	4	HUMN 202 Cult./20th & Early 21st Cent.	4
CHEM 301 Organic Chemistry I	3	CHEM 302 Organic Chemistry II	5
Foreign Language	3	Foreign Language	3
COMP 211 Found. Analytical Comp.	3	COMM 102 Speech Communication (†)	3
MATH 211 PreCalc/Calculus I	4	MLGN 200 Intro to Calling & Career	½
TOTAL	*17*	*TOTAL*	*15.5*

Junior		***Junior***	
CHEM 202 Quantitative Analysis	4	CHEM Elective	4
PHYS 203 General Physics I	4	PHYS 204 General Physics II	4
Foreign Language	3	Foreign Language	3
General Electives	6	General Electives	5
TOTAL	*17*	*TOTAL*	*16*

Senior		***Senior***	
BIBL 471 Christ & Culture	3	Ethnic Studies Course	3
General Electives	14	General Electives	13
TOTAL	*17*	*TOTAL*	*16*

[The minimum total of 128 hours for graduation are shown]

(†) Students may choose COMM 103 Public Speaking (2 hr course) if they have checked with their advisers to see if this choice fits with their post-baccalaureate plans.

Depending upon a student's post-baccalaureate plans, other courses may be required for admission to graduate programs so please CONSULT with your adviser.

<u>FALL Chemistry Electives</u>
CHEM 310 Biochemistry
CHEM 401 Physical Chemistry

<u>SPRING Chemistry Electives</u>
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CHEM 402 Quantum Chemistry

<u>Offered as Needed:</u>
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CHEM 405L Adv. Inorganic Chem. Lab
CHEM 490 Research Problem
CHEM 491 Internship with Crown Labs (Quality Control & Quality Assurance)
CHEM 495 Seminar