

The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE Science DEPARTMENT Chemistry

DEGREE LEVEL BS PROGRAM TITLE General Chemistry, 7031

TO BE INITIATED WITH CATALOG YEAR 2008 / 2009 CHANGE REQUESTED FOR major program minor program

BRIEF DESCRIPTION OF REQUESTED CHANGES *Attach a more detailed description and any supporting documentation*

1. Add ASC 1000 University Experience in the Fall semester of the Freshman year. This adds 1 credit to the total number of credits for each program. This change is mandated by the University.
2. Remove the Social Science Elective (3 credits) from the Fall semester of the Freshman year and add it to the Spring semester of the Junior year. This is an elective, but incoming students have little choice, especially since they have not taken any prerequisites. Also, with the addition of ASC 1000 this increases the number of credits to 18 for incoming students unless the Social Science Elective is moved. The Social Science Elective would replace the Free Elective in the Junior Year and the Free Elective would be added to the Spring semester of the Sophomore year, increasing the number of credits there to 18. Sophomore students should be in a better position to handle that load. There would be no change to the total number of credits.
3. Add CHM 4801 Undergraduate Research in the Fall of the Senior Year. This course would satisfy the QEP requirement. CHM 4801 would replace a Technical Elective so there would be no increase in the total number of credits.

APPROVALS: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Office of the Registrar

J. Clayton Bunn 6/19/07 _____
 Originator Date Chair, Graduate Council Date

W. R. ... 6/19/07 OR _____
 Department Head / Major Program Chair Date

 Department Head / Minor Program Chair Date Chair, Undergraduate Curriculum Committee Date

Hamid K. Rana 6/20/07 _____
 Dean or Associate Dean Date

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PROPOSED GENERAL CHEMISTRY OPTION (7031)

<u>Freshman Year</u>				<u>Junior Year</u>		<u>Credits</u>	
Fall				Fall			
			<u>Credits</u>	CHM 3001	Physical Chemistry 1	3	
BUS	1301	Basic Economics	3	CHM 3011	Physical Chem. Lab 1	2	
CHM	1101	General Chemistry 1	4	MTH 2201	Diff. Equa./Lin. Alg.	4	
COM	1101	Comp & Rhetoric	3	COM 2012	Res. Sources & Sys.	1	
MTH	1001	Calculus 1	4		Humanities Elective	3	
ASC	1000	University Experience	<u>1</u>		Technical Elective	<u>3</u>	
			15				16
Spring				Spring			
CHM	1102	General Chemistry 2	4	CHM 3002	Physical Chemistry 2	3	
COM	1102	Writing about Lit.	3	CHM 3012	Physical Chem Lab 2	2	
MTH	1002	Calculus 2	4	CHM 3302	Analytical Chemistry 2	3	
PHY	1001	Physics 1	4	CHM 3312	Analyt. Chem. Lab 2	2	
PHY	2091	Physics 1 Lab	<u>1</u>		Social Science Elective	3	
			16		Technical Elective	<u>3</u>	
							16
<u>Sophomore Year</u>				<u>Senior Year</u>			
Fall				Fall			
CHM	2001	Organic Chemistry 1	3	CHM 4001	Inorganic Chemistry 1	3	
CHM	2011	Organic Chem. Lab 1	2	CHM 4900	Chemistry Seminar	0	
CHM	3301	Analytical Chem. 1	3		Humanities Elective	3	
CHM	3311	Analyt. Chem. Lab 1	2		Res. Elec. (Chem.)	3	
HUM	2051	Civilization 1	3		Technical Elective	3	
MTH	2001	Calculus 3	<u>4</u>		Technical Elective	<u>3</u>	
			17				15
Spring				Spring			
CHM	2002	Organic Chemistry 2	3	CHM 4611	Adv. Lab. Tech.2		
CHM	2012	Organic Chem. Lab 2	2	CHM 4900	Chemistry Seminar	0	
CHM	2100	Comp. Appl. Chem.	2	COM 2223	Scientific Tech. Com.	3	
PHY	2002	Physics 2	4		Technical Elective	3	
PHY	2092	Physics Lab 2	1		Res. Elec. (Chem)	3	
HUM	2052	Civilization 2	3		Res. Elec. (Chem)	<u>3</u>	
		Free Elective	<u>3</u>				14
			18				
				TOTAL	127 Credits		

CURRENT GENERAL CHEMISTRY OPTION (7031)

Freshman Year **Fall** Credits

BUS	1301	Basic Economics	3
CHM	1101	General Chemistry 1	4
COM	1101	Comp & Rhetoric	3
MTH	1001	Calculus 1	4
		Social Science Elective	<u>3</u>
			17

CHM	3001	Physical Chemistry 1	3
CHM	3011	Physical Chem. Lab 1	2
MTH	2201	Diff. Equa./Lin. Alg.	4
COM	2012	Res. Sources & Sys.	1
		Humanities Elective	3
		Technical Elective	<u>3</u>
			16

Spring

CHM	1102	General Chemistry 2	4
COM	1102	Writing about Lit.	3
MTH	1002	Calculus 2	4
PHY	1001	Physics 1	4
PHY	2091	Physics 1 Lab	<u>1</u>
			16

Spring

CHM	3002	Physical Chemistry 2	3
CHM	3012	Physical Chem Lab 2	2
CHM	3302	Analytical Chemistry 2	3
CHM	3312	Analyt. Chem. Lab 2	2
		Free Elective	3
		Technical Elective	<u>3</u>
			16

Sophomore Year **Fall**

CHM	2001	Organic Chemistry 1	3
CHM	2011	Organic Chem. Lab 1	2
CHM	3301	Analytical Chem. 1	3
CHM	3311	Analyt. Chem. Lab 1	2
HUM	2051	Civilization 1	3
MTH	2001	Calculus 3	<u>4</u>
			17

Senior Year **Fall**

CHM	4001	Inorganic Chemistry 1	3
CHM	4900	Chemistry Seminar	0
		Humanities Elective	3
		Res. Elec. (Chem.)	3
		Technical Elective	3
		Technical Elective	<u>3</u>
			15

Spring

CHM	2002	Organic Chemistry 2	3
CHM	2012	Organic Chem. Lab 2	2
CHM	2100	Comp. Appl. Chem.	2
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	1
HUM	2052	Civilization 2	<u>3</u>
			15

Spring

CHM	4611	Adv. Lab. Tech.2	
CHM	4900	Chemistry Seminar	0
COM	2223	Scientific Tech. Com.	3
		Technical Elective	3
		Res. Elec. (Chem)	3
		Res. Elec. (Chem)	<u>3</u>
			14

TOTAL 126 Credits

Junior Year **Fall** Credits

The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE Science DEPARTMENT Chemistry

DEGREE LEVEL BS PROGRAM TITLE Chemical Management, 7032

TO BE INITIATED WITH CATALOG YEAR 2008 / 2009 CHANGE REQUESTED FOR major program minor program

BRIEF DESCRIPTION OF REQUESTED CHANGES *Attach a more detailed description and any supporting documentation*

1. Add ASC 1000 University Experience in the Fall semester of the Freshman year. This adds 1 credit to the total number of credits for each program. This change is mandated by the University.
2. Remove the Social Science Elective (3 credits) from the Fall semester of the Freshman year and add it to the Spring semester of the Junior year. This is an elective, but incoming students have little choice, especially since they have not taken any prerequisites. Also, with the addition of ASC 1000 this increases the number of credits to 18 for incoming students unless the Social Science Elective is moved. The Social Science Elective would replace the Technical Elective in the Junior Year and the Free Elective in the Senior year would be added to the Spring semester of the Sophomore year, increasing the number of credits there to 18. Sophomore students should be in a better position to handle that load.
3. ~~Add CHM 4801 Undergraduate Research in the Fall of the Senior Year. This course would satisfy the GER requirement. Since the Technical Elective would be moved in paragraph 2, there would be no increase in the total number of credits.~~

APPROVALS: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Office of the Registrar

[Signature] 6/19/07
 Originator Date Chair, Graduate Council Date

[Signature] 6/19/07
 Department Head / Major Program Chair Date OR

 Department Head / Minor Program Chair Date Chair, Undergraduate Curriculum Committee Date

[Signature] 6/20/07
 Dean or Associate Dean Date

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RG-272-5061

PROPOSED CHEMICAL MANAGEMENT OPTION (7032)

<u>Freshman Year</u>	Fall	<u>Credits</u>				
BUS	2303	Macroeconomics	3	BUS	2211	Intro Financial Acct. 3
CHM	1101	General Chemistry 1	4	CHM	3001	Physical Chemistry 1 3
COM	1101	Comp & Rhetoric	3	CHM	3011	Physical Chem. Lab 1 2
MTH	1001	Calculus 1	4	MTH	2201	Diff. Equa./Lin. Alg. 4
ASC	1000	University Experience	<u>1</u>	MTH	2401	Probability Statistics <u>3</u>
			15			15

Spring

CHM	1102	General Chemistry 2	4	BUS	2212	Intro Managerial Acct. 3
COM	1102	Writing about Lit.	3	CHM	3002	Physical Chemistry 2 3
MTH	1002	Calculus 2	4	CHM	3012	Physical Chem Lab 2 2
PHY	1001	Physics 1	4	CHM	3302	Analytical Chemistry 2 3
PHY	2091	Physics 1 Lab	<u>1</u>	CHM	3312	Analyt. Chem. Lab 2 2
			16			Social Science Elective <u>3</u>
						16

Sophomore Year **Fall**

CHM	2001	Organic Chemistry 1	3
CHM	2011	Organic Chem. Lab 1	2
CHM	3301	Analytical Chem. 1	3
CHM	3311	Analyt. Chem. Lab 1	2
HUM	2051	Civilization 1	3
MTH	2001	Calculus 3	<u>4</u>
			17

Spring

CHM	2002	Organic Chemistry 2	3
CHM	2012	Organic Chem. Lab 2	2
CHM	2100	Comp. Appl. Chem.	2
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	1
HUM	2052	Civilization 2	3
		Free Elective	<u>3</u>
			18

Senior Year **Fall**

BUS	2601	Legal Social Env. Bus.	3
CHM	4001	Inorganic Chemistry 1	3
CHM	4900	Chemistry Seminar	0
COM	2012	Res. Sources & Sys.	1
		Humanities Elective	3
		Res. Elec. (Chem.)	3
		Technical Elective	<u>3</u>
			16

Spring

BUS	3501	Management Principles	3
BUS	3601	Marketing Principles	3
CHM	4900	Chemistry Seminar	0
COM	2223	Scientific Tech. Com.	3
		Humanities Elective	3
		Res. Elec. (Chem)	<u>3</u>
			15

TOTAL **128 Credits**

Junior Year **Fall** Credits

CURRENT CHEMICAL MANAGEMENT OPTION (7032)

Freshman Year **Fall** Credits

BUS	2303	Macroeconomics	3
CHM	1101	General Chemistry 1	4
COM	1101	Comp & Rhetoric	3
MTH	1001	Calculus 1	4
		Social Science Elective	<u>3</u>
			17

BUS	2211	Intro Financial Acct.	3
CHM	3001	Physical Chemistry 1	3
CHM	3011	Physical Chem. Lab 1	2
MTH	2201	Diff. Equa./Lin. Alg.	4
MTH	2401	Probability Statistics	<u>3</u>
			15

Spring

CHM	1102	General Chemistry 2	4
COM	1102	Writing about Lit.	3
MTH	1002	Calculus 2	4
PHY	1001	Physics 1	4
PHY	2091	Physics 1 Lab	<u>1</u>
			16

Spring

BUS	2212	Intro Managerial Acct.	3
CHM	3002	Physical Chemistry 2	3
CHM	3012	Physical Chem Lab 2	2
CHM	3302	Analytical Chemistry 2	3
CHM	3312	Analyt. Chem. Lab 2	2
		Technical Elective	<u>3</u>
			16

Sophomore Year **Fall**

CHM	2001	Organic Chemistry 1	3
CHM	2011	Organic Chem. Lab 1	2
CHM	3301	Analytical Chem. 1	3
CHM	3311	Analyt. Chem. Lab 1	2
HUM	2051	Civilization 1	3
MTH	2001	Calculus 3	<u>4</u>
			17

Senior Year **Fall**

BUS	2601	Legal Social Env. Bus.	3
CHM	4001	Inorganic Chemistry 1	3
CHM	4900	Chemistry Seminar	0
COM	2012	Res. Sources & Sys.	1
		Humanities Elective	3
		Res. Elec. (Chem.)	3
		Free Elective	<u>3</u>
			16

Spring

CHM	2002	Organic Chemistry 2	3
CHM	2012	Organic Chem. Lab 2	2
CHM	2100	Comp. Appl. Chem.	2
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	1
HUM	2052	Civilization 2	<u>3</u>
			15

Spring

BUS	3501	Management Principles	3
BUS	3601	Marketing Principles	3
CHM	4900	Chemistry Seminar	0
COM	2223	Scientific Tech. Com.	3
		Humanities Elective	3
		Res. Elec. (Chem)	<u>3</u>
			15

TOTAL 127 Credits

Junior Year **Fall** Credits

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COLLEGE Science DEPARTMENT Chemistry

DEGREE LEVEL BS PROGRAM TITLE Research Chemistry, 7034

TO BE INITIATED WITH CATALOG YEAR 2008 / 2009 CHANGE REQUESTED FOR [X] major program [] minor program

BRIEF DESCRIPTION OF REQUESTED CHANGES Attach a more detailed description and any supporting documentation

1. Add ASC 1000 University Experience in the Fall semester of the Freshman year. This adds 1 credit to the total number of credits for each program. This change is mandated by the University.
2. Remove the Social Science Elective (3 credits) from the Fall semester of the Freshman year and add it to the Spring semester of the Junior year. This is an elective, but incoming students have little choice, especially since they have not taken any prerequisites. Also, with the addition of ASC 1000 this increases the number of credits to 18 for incoming students unless the Social Science Elective is moved. The Social Science Elective would replace the Free Elective in the Junior Year and the Free Elective would be added to the Spring semester of the Sophomore year, increasing the number of credits there to 18. Sophomore students should be in a better position to handle that load. There would be no increase in the total number of credits.

APPROVALS: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Office of the Registrar

J. Clayton Burns 6/19/07
Originator Date Chair, Graduate Council Date

AAW Guler 6/19/07
Department Head / Major Program Chair Date OR

Department Head / Minor Program Chair Date Chair, Undergraduate Curriculum Committee Date

Hamid.K. Rana 6/20/07
Dean or Associate Dean Date

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RG-272-5061

PROPOSED RESEARCH CHEMISTRY OPTION (7034)

<u>Freshman Year</u>	Fall	<u>Credits</u>		<u>Junior Year</u>	Fall	<u>Credits</u>
BUS	1301 Basic Economics	3		CHM	3001 Physical Chemistry 1	3
CHM	1101 General Chemistry 1	4		CHM	3011 Physical Chem. Lab 1	2
COM	1101 Comp & Rhetoric	3		MTH	2201 Diff. Equa./Lin. Alg.	4
MTH	1001 Calculus 1	4		COM	2012 Res. Sources & Sys.	1
ASC	1000 University Experience	<u>1</u>			Humanities Elective	3
		15			Technical Elective	<u>3</u>
						16
	Spring				Spring	
CHM	1102 General Chemistry 2	4		CHM	3002 Physical Chemistry 2	3
COM	1102 Writing about Lit.	3		CHM	3012 Physical Chem Lab 2	2
MTH	1002 Calculus 2	4		CHM	3302 Analytical Chemistry 2	3
PHY	1001 Physics 1	4		CHM	3312 Analyt. Chem. Lab 2	2
PHY	2091 Physics 1 Lab	<u>1</u>			Social Science Elective	3
		16			Technical Elective	<u>3</u>
						16
<u>Sophomore Year</u>	Fall					
CHM	2001 Organic Chemistry 1	3				
CHM	2011 Organic Chem. Lab 1	2		<u>Senior Year</u>	Fall	
CHM	3301 Analytical Chem. 1	3		BIO	4010 Biochemistry 1	4
CHM	3311 Analyt. Chem. Lab 1	2		CHM	4001 Inorganic Chemistry 1	3
HUM	2051 Civilization 1	3		CHM	4900 Chemistry Seminar	0
MTH	2001 Calculus 3	<u>4</u>		CHM	4910 Senior Thesis	3
		17		COM	2223 Scientific Tech. Com.	3
					Res. Elec. (Chem.)	<u>3</u>
	Spring					16
CHM	2002 Organic Chemistry 2	3			Spring	
CHM	2012 Organic Chem. Lab 2	2		CHM	4002 Adv. Inorganic Chem.	3
CHM	2100 Comp. Appl. Chem.	2		CHM	4611 Adv. Lab. Tech.2	
PHY	2002 Physics 2	4		CHM	4901 Senior Research Sem.	1
PHY	2092 Physics Lab 2	1		CHM	4911 Senior Thesis	3
HUM	2052 Civilization 2	3			Res. Elec. (Chem)	3
	Free Elective	<u>3</u>			Res. Elec. (Chem)	<u>3</u>
		18				15
				TOTAL	129 Credits	

CURRENT RESEARCH CHEMISTRY OPTION (7034)

<u>Freshman Year</u>	Fall	<u>Credits</u>		<u>Junior Year</u>	Fall	<u>Credits</u>
BUS 1301	Basic Economics	3		CHM 3001	Physical Chemistry 1	3
CHM 1101	General Chemistry 1	4		CHM 3011	Physical Chem. Lab 1	2
COM 1101	Comp & Rhetoric	3		MTH 2201	Diff. Equa./Lin. Alg.	4
MTH 1001	Calculus 1	4		COM 2012	Res. Sources & Sys.	1
	Social Science Elective	<u>3</u>			Humanities Elective	3
		17			Technical Elective	<u>3</u>
						16
	Spring				Spring	
CHM 1102	General Chemistry 2	4		CHM 3002	Physical Chemistry 2	3
COM 1102	Writing about Lit.	3		CHM 3012	Physical Chem Lab 2	2
MTH 1002	Calculus 2	4		CHM 3302	Analytical Chemistry 2	3
PHY 1001	Physics 1	4		CHM 3312	Analyt. Chem. Lab 2	2
PHY 2091	Physics 1 Lab	<u>1</u>			Free Elective	3
		16			Technical Elective	<u>3</u>
						16
<u>Sophomore Year</u>	Fall			<u>Senior Year</u>	Fall	
CHM 2001	Organic Chemistry 1	3		BIO 4010	Biochemistry 1	4
CHM 2011	Organic Chem. Lab 1	2		CHM 4001	Inorganic Chemistry 1	3
CHM 3301	Analytical Chem. 1	3		CHM 4900	Chemistry Seminar	0
CHM 3311	Analyt. Chem. Lab 1	2		CHM 4910	Senior Thesis	3
HUM 2051	Civilization 1	3		COM 2223	Scientific Tech. Com.	3
MTH 2001	Calculus 3	<u>4</u>			Res. Elec. (Chem.)	<u>3</u>
		17				16
	Spring				Spring	
CHM 2002	Organic Chemistry 2	3		CHM 4002	Adv. Inorganic Chem.	3
CHM 2012	Organic Chem. Lab 2	2		CHM 4611	Adv. Lab. Tech.2	
CHM 2100	Comp. Appl. Chem.	2		CHM 4901	Senior Research Sem.	1
PHY 2002	Physics 2	4		CHM 4911	Senior Thesis	3
PHY 2092	Physics Lab 2	1			Res. Elec. (Chem)	3
HUM 2052	Civilization 2	<u>3</u>			Res. Elec. (Chem)	<u>3</u>
		15				15
				TOTAL	128 Credits	

The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by any supporting documentation, be completed and approved as indicated below.

COLLEGE Science DEPARTMENT Chemistry

DEGREE LEVEL BS PROGRAM TITLE Premedical Chemistry, 7036

TO BE INITIATED WITH CATALOG YEAR 2008 / 2009 CHANGE REQUESTED FOR [X] major program [] minor program

BRIEF DESCRIPTION OF REQUESTED CHANGES Attach a more detailed description and any supporting documentation

1. Add ASC 1000 University Experience in the Fall semester of the Freshman year. This adds 1 credit to the total number of credits for each program. This change is mandated by the University.
2. Add CHM 4801 Undergraduate Research in the Fall of the Senior Year. This course would satisfy the GEP requirement. CHM 4801 would replace a Restricted Elective (Chemistry) so there would be no increase in the total number of credits.

APPROVALS: On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Office of the Registrar

[Signature] 6/19/07
Originator Date Chair, Graduate Council Date

[Signature] 6/19/07 OR
Department Head / Major Program Chair Date

Department Head / Minor Program Chair Date Chair, Undergraduate Curriculum Committee Date

[Signature] 6/20/07
Dean or Associate Dean Date

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RG-272-506I

PROPOSED PREMEDICAL CHEMISTRY OPTION (7036)

<u>Freshman Year</u>		Fall	<u>Credits</u>
BIO	1010	Biological Discovery 1	4
CHM	1101	General Chemistry 1	4
COM	1101	Comp & Rhetoric	3
MTH	1001	Calculus 1	4
ASC	1000	University Experience 1	1
			16

Spring

BIO	1020	Biological Discovery 2	4
BIO	1200	Intro Health Profess.	1
CHM	1102	General Chemistry 2	4
COM	1102	Writing about Lit.	3
MTH	1002	Calculus 2	4
			16

Sophomore Year **Fall**

CHM	2001	Organic Chemistry 1	3
CHM	2011	Organic Chem. Lab 1	2
HUM	2051	Civilization 1	3
MTH	2001	Calculus 3	4
PHY	1001	Physics 1	4
PHY	2091	Physics Lab 1	1
			17

Spring

CHM	2002	Organic Chemistry 2	3
CHM	2012	Organic Chem. Lab 2	2
CHM	2100	Comp. Appl. Chem.	2
HUM	2052	Civilization 2	3
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	1
			15

<u>Junior Year</u>		Fall	<u>Credits</u>
BIO	2110	General Genetics	4
BIO	4010	Biochemistry 1	4
CHM	3001	Physical Chemistry 1	3
CHM	3301	Analytical Chemistry 1	3
CHM	3311	Analyt. Chem. Lab 1	2
			16

Spring

CHM	3002	Physical Chemistry 2	3
CHM	3302	Analytical Chemistry 2	3
CHM	3312	Analyt. Chem. Lab 2	2
COM	2012	Res. Sources & Sys.	1
COM	2223	Scientific Tech. Com.	3
MTH	2201	Diff. Equa./Lin. Alg.	4
			16

Senior Year **Fall**

CHM	3011	Physical Chem. Lab 1	2
CHM	4001	Inorganic Chemistry 1	3
CHM	4900	Chemistry Seminar	0
		Res. Elec. (Chem)	3
		Liberal Arts Elective	3
		Technical Elective	3
		Soc. Sci. Elective	3
			17

Spring

CHM	3012	Physical Chem Lab 2	2
CHM	4900	Chemistry Seminar	0
		Humanities Elective	3
		Liberal Arts Elective	3
		Res. Elec. (Chem)	3
		Res. Elec. (Chem)	3
		Free Elective	3
			17

TOTAL **130 Credits**

CURRENT PREMEDICAL CHEMISTRY OPTION (7036)

Freshman Year **Fall** Credits

BIO	1010	Biological Discovery 1	4
CHM	1101	General Chemistry 1	4
COM	1101	Comp & Rhetoric	3
MTH	1001	Calculus 1	<u>4</u>
			15

BIO	2110	General Genetics	4
BIO	4010	Biochemistry 1	4
CHM	3001	Physical Chemistry 1	3
CHM	3301	Analytical Chemistry 1	3
CHM	3311	Analyt. Chem. Lab 1	<u>2</u>
			16

Spring

BIO	1020	Biological Discovery 2	4
BIO	1200	Intro Health Profess.	1
CHM	1102	General Chemistry 2	4
COM	1102	Writing about Lit.	3
MTH	1002	Calculus 2	<u>4</u>
			16

Spring

CHM	3002	Physical Chemistry 2	3
CHM	3302	Analytical Chemistry 2	3
CHM	3312	Analyt. Chem. Lab 2	2
COM	2012	Res. Sources & Sys.	1
COM	2223	Scientific Tech. Com.	3
MTH	2201	Diff. Equa./Lin. Alg.	<u>4</u>
			16

Sophomore Year **Fall**

CHM	2001	Organic Chemistry 1	3
CHM	2011	Organic Chem. Lab 1	2
HUM	2051	Civilization 1	3
MTH	2001	Calculus 3	4
PHY	1001	Physics 1	4
PHY	2091	Physics Lab 1	<u>1</u>
			17

Senior Year **Fall**

CHM	3011	Physical Chem. Lab 1	2
CHM	4001	Inorganic Chemistry 1	3
CHM	4900	Chemistry Seminar	0
		Liberal Arts Elective	3
		Res. Elec. (Chem.)	3
		Technical Elective	3
		Soc. Sci. Elective	<u>3</u>
			17

Spring

CHM	2002	Organic Chemistry 2	3
CHM	2012	Organic Chem. Lab 2	2
CHM	2100	Comp. Appl. Chem.	2
HUM	2052	Civilization 2	3
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	<u>1</u>
			15

Spring

CHM	3012	Physical Chem Lab 2	2
CHM	4900	Chemistry Seminar	0
		Humanities Elective	3
		Liberal Arts Elective	3
		Res. Elec. (Chem)	3
		Res. Elec. (Chem)	3
		Free Elective	<u>3</u>
			17

TOTAL 129 Credits

Junior Year **Fall** Credits