

## 2020-2021 CHEMISTRY OPTION, LIBERAL ARTS A.A.

### Roadmap

Year One								
Semester-1				Semester-2				
Course	Title	Crd.		Course	Title	Crd.		
<b>General Education: Communications</b>				<b>General Education: Communication</b>				
ENC 1101	English Composition I	3	<input type="checkbox"/>	ENC 1102	English Composition II	3	<input type="checkbox"/>	
<b>General Education: Mathematics</b>				MAC 2312 Calculus/Anal Geometry II 4 <input type="checkbox"/>				
MAC 2311	Calculus/Anal Geometry I	4	<input type="checkbox"/>	CHM 1046	Gen Chem & Qual Analysis	3	<input type="checkbox"/>	
<b>General Education: Physical Science</b>				CHM 1046L Gen Chem & Qual Analysis Lab 1 <input type="checkbox"/>				
CHM 1045	General Chemistry	3	<input type="checkbox"/>	<b>General Education: Behavioral Science</b>				
<b>General Education: Physical Science</b>				<b>Select One:</b>			3	<input type="checkbox"/>
CHM 1045L	General Chemistry Laboratory	1	<input type="checkbox"/>	ANT 2000 - Introduction to Anthropology ECO 2013 - Principles of Economics, Macro PSY 2012 - General Psychology SYG 2000 - Principles of Sociology				
<b>General Education: Visual and Performing Arts</b>				<b>Total</b>				
<b>Select One:</b>		3	<input type="checkbox"/>					
ARH 2000 - Understanding Visual Arts ARH 2050 - Art History Criticism I ARH 2051 - Art History Criticism II ARH 2060 - History of Architecture MUL 2010 - Understanding Music MUL 2110 - Survey of Music Literature MUL 2010H - Hnrs Undrstd Music THE 2000 - Understanding Theatre THE 2071 - Survey of Film THE 2000 - Understanding Theatre								
<b>ELECTIVE</b>		1	<input type="checkbox"/>					
<b>Total</b>		<b>15</b>						

Year Two							
Semester-1				Semester-2			
Course	Title	Crd.		Course	Title	Crd.	
CHM 2210	Organic Chemistry I	3	<input type="checkbox"/>	CHM 2211	Organic Chemistry II	4	<input type="checkbox"/>
CHM 2210L	Organic Chemistry Laboratory	2	<input type="checkbox"/>	CHM 2211L	Organic Chemistry II Lab	1	<input type="checkbox"/>
<b>General Education: Biological Science</b>				<b>General Education: Philosophy/Religion</b>			
<b>Select One:</b> BOT 2800 - Plants and Society BSC 1005 - General Biological Science BSC 1020 - Human Biology BSC 2010 - Biology for Science Majors I BSC 2085 - Human Anat/Phy I BSC 2311 - Introduction to Marine Biology		3	<input type="checkbox"/>	<b>Select One:</b> FRE 2200 - 2nd Yr French I PHH 2060 - Intro to Classical Philosophy PHI 2002 - Intro Mod/Contem Philosophy PHI 2010 - Introduction to Philosophy PHI 2600 - Ethics PHI 2620 - Environmental Ethics PHI 2635 - Biomedical Ethics REL 2000 - Introduction to Religion REL 2121 - Intro Religion in America REL 2300 - Religions of the World REL 2315 - Eastern Religions SPN 2200 - Second-Year Spanish I		3	<input type="checkbox"/>
<b>General Education: Literature</b>				<b>General Education: Government</b>			
<b>Select One:</b> AML 2010 - American Literature-Civil War AML 2020 - Am Lit Reconst-Present AML 2600 - African-American Literature ENG 2111 - Literature and Film ENL 2012 - English Literature I ENL 2022 - English Literature II LIT 2000 - Introduction to Literature LIT 2040 - World Drama LIT 2090 - Contemporary Literature LIT 2110 - World Lit/Ancient-Renaissance LIT 2120 - World Lit/Enlightnmt-Present LIT 2380 - Women in Literature		3	<input type="checkbox"/>	<b>Select One:</b> CPO 2002 - Comparative Government POS 2041 - Amer National Government POS 2112 - State and Local Government		3	<input type="checkbox"/>
<b>General Education: General Education: History</b>				<b>ELECTIVE</b>			
<b>Select One:</b> EUH 1000 - Western Civilization I EUH 1001 - Western Civilization II AMH 2010 - United States History I AMH 2020 - United States History II WOH 2012 - World History I WOH 2022 - World History II		3	<input type="checkbox"/>	<b>Total</b>			
<b>ELECTIVE</b>		3	<input type="checkbox"/>	<b>14</b>			
<b>Total</b>		<b>17</b>					

### Program Notes

1. Humanities Areas I, II & III - see catalog for course options
2. Biological Science - see catalog for course options
3. Social Sciences Areas I, II, & III – see catalog for course options
4. Any Bachelor's degree in chemistry will require a Physics Sequence. Many universities require University Physics (which will require Calculus III) while some require College Physics. It is highly recommended that the student use the elective credits to satisfy some of these requirements.

**Recommended academic map assumes:**

1. Readiness for college-level English
2. Readiness for Calculus I
3. Readiness for General Chemistry
4. No previous credit earned

**Note:** Organic Chemistry sequence may be replaced by

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**Student MUST know the course requirements for the university they plan to attend.**

Any advanced degree in chemistry will require a physics sequence and more math courses.

For example, (1) College Physics I & II with labs (PHY 2053, PHY 2054, PHY 2053L and PHY 2054L may substitute for University Physics for some programs (2) Differential Equations (MAP 2302) is required by many universities

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