



CHEMISTRY, AS to BIOCHEMISTRY, BS

SUGGESTED SEQUENCE AT STARK STATE COLLEGE			SUGGESTED SEQUENCE AT THE UNIVERSITY OF AKRON	
Semester 1	16 Credit Hours	UA Equivalent	Semester 5	14 Credit Hours
SSC101 Student Success Seminar	1	GNST EL Univ Orientation	Foreign Language Requirement	4
ENG124 College Composition	3	ENGL111 English Comp GNED Writing	CHEM 305 Physical Chemistry	3
SOC225 Diversity in American Society	3	GNED Domestic Diversity GNED Social Science	CHEM401 Biochemistry I	3
MTH223 Analytic Geometry and Calculus I	4	MATH221 Analytic Geometry Calculus I GNED Mathematics, Statistics, and Logic	BIOL211 General Genetics Lecture	3
CHM141 General Chemistry I (lab)	5	CHEM 151 Principles of Chemistry I CHEM152 Principles of Chemistry I Lab GNED Natural Sciences w/lab	BIOL212 General Genetics Lab	1
Semester 2	15 Credit Hours	UA Equivalent	Semester 6	15 Credit Hours
MTH224 Analytic Geometry and Calculus II	4	MATH222 Analytic Geometry Calculus II GNED Mathematics, Statistics and Logic	Foreign Language Requirement	4
Social and Behavioral Science Elective	3	GNED Social Sciences Requirement	CHEM402 Biochemistry II Lecture	3
CHM142 General Chemistry II (lab)	5	CHEM 153 Principles of Chemistry II CHEM154 Principles of Chemistry II Lab GNED Natural Sciences w/lab	CHEM370 Biochemistry Lab	2
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	BIOL480 Molecular Biology	3
			Elective	3
Semester 3	16 Credit Hours	UA Equivalent	Semester 7	15 Credit Hour
CHM241 Organic Chemistry I (Lab)	5	CHEM263 Organic I CHEM265 Organic Chemistry Lab	Foreign Language Requirement	3
PHY121 College Physics I w/ Algebra (lab)	4	PHYS261 Physics for Life Sciences I GNED Natural Science	CHEM480 Advanced Chemistry III	2
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	BIOL311 Cell and Molecular Biology	4
BIO141 General Biology I	4	BIOL111 Principles of Biology I	Biochemistry Elective	3

			Upper-Level Chemistry Elective	3
Semester 4	13 Credit Hours	UA Equivalent	Semester 8	17 Credit Hours
CHM242 Organic Chemistry II (lab)	5	CHEM264 Organic Chemistry II CHEM266 Organic Chemistry Lab II	GNED Complex Issues Facing Society**	3
PHY122 College Physics II w/ Algebra (lab)	4	PHYS262 Physics for Life Sciences I GNED Natural Science Requirement w/lab	Foreign Language Requirement	3
BIO142 General Biology II	4	BIOL112 Principles of Biology II	BIOL485 Cell Physiology	3
			BIOL486 Cell Physiology Lab	2
			GNED Global Diversity	3
			GNED Complex Issue Facing Society**	3
Total credits from Stark State College: 60			Total credits for degree: 120	

*Last 30 credits must be earned at the University of Akron

** General Education Courses may have equivalents at Stark State College, please refer to <https://www.uakron.edu/transfer/ted/>

***A total of 40 credits of 300/400 level courses must be taken in and outside of the student's major

**** A student is required to complete Calculus II before entering the program.

***** It is strongly encouraged to complete BIO141 and BIO142 before entering UA program.

Contact:

BCAS advising

bcasadvising@uakron.edu

330-972-7880

Transfer and Adult Education Center:

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330-972-7009



CHEMISTRY, AS to CHEMISTRY, BA

SUGGESTED SEQUENCE AT STARK STATE COLLEGE			SUGGESTED SEQUENCE AT THE UNIVERSITY OF AKRON	
Semester 1	16 Credit Hours	UA Equivalent	Semester 5	13 Credit Hours
SSC101 Student Success Seminar	1	GNST EL Univ Orientation	Foreign Language Requirement	4
ENG124 College Composition	3	ENGL111 English Comp GNED Writing	CHEM305 Physical Chemistry for Biological Sciences	4
SOC225 Diversity in American Society	3	GNED Domestic Diversity GNED Social Science	CHEM423 Analytical Chemistry Lecture	2
MTH223 Analytic Geometry and Calculus I	4	MATH221 Analytic Geometry and Calculus I GNED Mathematics, Statistics, and Logic	CHEM380 Advanced Chemistry Lab I	3
CHM141 General Chemistry I (lab)	5	CHEM 151 Principles of Chemistry I CHEM152 Principles of Chemistry I Lab GNED Natural Sciences w/lab		
Semester 2	15 Credit Hours	UA Equivalent	Semester 6	16 Credit Hours
MTH224 Analytic Geometry and Calculus II	4	MATH222 Analytic Geometry Calculus II GNED Mathematics, Statistics and Logic	Foreign Language Requirement	4
Social and Behavioral Science Elective	3	GNED Social Sciences Requirement	CHEM424 Analytical Chemistry Lecture II	3
CHM142 General Chemistry II (lab)	5	CHEM 153 Principles of Chemistry II CHEM154 Principles of Chemistry II Lab GNED Natural Sciences w/lab	Upper-Level Chemistry Elective	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	Upper-Level Chemistry Elective	3
			GNED Global Diversity**	3
Semester 3	15-16 Credit Hours	UA Equivalent	Semester 7	12 Credit Hour
CHM241 Organic Chemistry I (Lab)	5	CHEM263 Organic I CHEM265 Organic Chemistry Lab	Foreign Language Requirement	3
PHY121 College Physics I w/ Algebra (lab)	4	PHYS261 Physics for Life Sciences I GNED Natural Science	Upper-Level Chemistry Elective	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	Upper-Level Chemistry Elective	3
Elective	3-4		Upper-Level Chemistry Elective	3

Semester 4	15-16 Credit Hours	UA Equivalent	Semester 8	15 Credit Hours
CHM242 Organic Chemistry II (lab)	5	CHEM264 Organic Chemistry II CHEM266 Organic Chemistry Lab II	GNEC Complex Issues Facing Society**	3
PHY222 College Physics II with Calculus (lab)	4	PHYS292 Elementary Classical Physics II GNEC Natural Science Requirement w/lab	Foreign Language Requirement	3
Electives	6-7		Upper-Level Chemistry Elective	3
			Upper-Level Chemistry Elective	3
			Upper-Level Chemistry Elective	3

Total credits from Stark State College: 61-63

Total credits for degree: 120

**Last 30 credits must be earned at the University of Akron*

*** General Education Courses may have equivalents at Stark State College, please refer to <https://www.uakron.edu/transfer/ted/>*

****A total of 40 credits of 300/400 level courses must be taken in and outside of the student's major*

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CHEMISTRY, AS to CHEMISTRY, BS

SUGGESTED SEQUENCE AT STARK STATE COLLEGE			SUGGESTED SEQUENCE AT THE UNIVERSITY OF AKRON	
Semester 1	16 Credit Hours	UA Equivalent	Semester 5	15 Credit Hours
SSC101 Student Success Seminar	1	GNST EL Univ Orientation	CHEM313 Physical Chemistry I Lecture	3
ENG124 College Composition	3	ENGL111 English Comp GNED Writing	Foreign Language Requirement	4
SOC225 Diversity in American Society	3	GNED Domestic Diversity GNED Social Science	CHEM423 Analytical Chemistry Lecture	2
MTH223 Analytic Geometry and Calculus I	4	MATH221 Analytic Geometry and Calculus GNED Mathematics, Statistics, and Logic	CHEM380 Advanced Chemistry Lab I	3
CHM141 General Chemistry I (lab)	5	CHEM 151 Principles of Chemistry I CHEM152 Principles of Chemistry I Lab GNED Natural Sciences w/lab	MATH335 Introduction to Ordinary Differential Equations	3
Semester 2	15 Credit Hours	UA Equivalent	Semester 6	15 Credit Hours
MTH224 Analytic Geometry and Calculus II	4	MATH222 Analytic Geometry Calculus II GNED Mathematics, Statistics and Logic	Foreign Language Requirement	4
Social and Behavioral Science Elective	3	GNED Social Sciences Requirement	CHEM424 Analytical Chemistry Lecture II	3
CHM142 General Chemistry II (lab)	5	CHEM 153 Principles of Chemistry II CHEM154 Principles of Chemistry II Lab GNED Natural Sciences w/lab	CHEM314 Physical Chemistry II Lecture	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	Upper-Level Chemistry Elective	3
			CHEM381 Advanced Laboratory II	2
Semester 3	16-17 Credit Hours	UA Equivalent	Semester 7	14 Credit Hour
CHM241 Organic Chemistry I (Lab)	5	CHEM263 Organic I CHEM265 Organic Chemistry Lab	Foreign Language Requirement	3
PHY221 General Physics w/ Calculus I (lab)	4	PHYS291 Elementary Classical Physics GNED Natural Science	CHEM472 Advanced Inorganic Chemistry Lecture	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	CHEM480 Advanced Chemistry III	2
			GNED Global Diversity**	3

MTH225 Analytic Geometry and Calculus III	4	MATH223 Analytic Geometry and Calculus II	Upper-Level Chemistry Elective	3
Semester 4	17 Credit Hours	UA Equivalent	Semester 8	12 Credit Hours
CHM242 Organic Chemistry II (lab)	5	CHEM264 Organic Chemistry II CHEM266 Organic Chemistry Lab II	GNED Complex Issues Facing Society**	3
PHY222 General Physics II w/ Calculus (lab)	4	PHYS292 Elementary Classical Physics II GNED Natural Science Requirement w/lab	Foreign Language Requirement	3
MTH225 Analytic Geometry and Calculus III	4	MATH223 Analytic Geometry Calculus II GNED Mathematics, Statistics and Logic	Upper-Level Chemistry Elective	3
			Upper-Level Chemistry Elective	3

Total credits from Stark State College: 64-65

Total credits for degree: 120

**Last 30 credits must be earned at the University of Akron*

*** General Education Courses may have equivalents at Stark State College, please refer to <https://www.uakron.edu/transfer/ted/>*

****A total of 40 credits of 300/400 level courses must be taken in and outside of the student's major*

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CHEMISTRY, AS to CHEMISTRY, POLYMER OPTION, BS

SUGGESTED SEQUENCE AT STARK STATE COLLEGE			SUGGESTED SEQUENCE AT THE UNIVERSITY OF AKRON	
Semester 1	16 Credit Hours	UA Equivalent	Semester 5	15 Credit Hours
SSC101 Student Success Seminar	1	GNST EL Univ Orientation	Foreign Language Requirement	4
ENG124 College Composition	3	ENGL111 English Comp GNED Writing	CHEM313 Physical Chemistry Lecture	3
SOC225 Diversity in American Society	3	GNED Domestic Diversity GNED Social Science	CHEM423 Analytical Chemistry Lecture	2
MTH223 Analytic Geometry and Calculus I	4	MATH221 Analytic Geometry and Calculus I GNED Mathematics, Statistics, and Logic	CHEM380 Advanced Chemistry Lab I	3
CHM141 General Chemistry I (lab)	5	CHEM 151 Principles of Chemistry I CHEM152 Principles of Chemistry I Lab GNED Natural Sciences w/lab	MATH335 Introduction to Ordinary Differential Equations	3
Semester 2	15 Credit Hours	UA Equivalent	Semester 6	15 Credit Hours
MTH224 Analytic Geometry and Calculus II	4	MATH222 Analytic Geometry and Calculus II GNED Mathematics, Statistics and Logic	Foreign Language Requirement	4
Social and Behavioral Science Elective	3	GNED Social Sciences Requirement	CHEM424 Analytical Chemistry Lecture II	3
CHM142 General Chemistry II (lab)	5	CHEM 153 Principles of Chemistry II CHEM154 Principles of Chemistry II Lab GNED Natural Sciences w/lab	CHEM314 Physical Chemistry II Lecture	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	Upper-Level Chemistry Elective	3
			CHEM381 Advanced Laboratory II	2
Semester 3	17 Credit Hours	UA Equivalent	Semester 7	15 Credit Hours
CHM241 Organic Chemistry I (Lab)	5	CHEM263 Organic I CHEM265 Organic Chemistry Lab	Foreign Language Requirement	3
PHY221 General Physics w/ Calculus I (lab)	4	PHYS291 Elementary Classical Physics I GNED Natural Science	CHEM472 Advanced Inorganic Chemistry Lecture	3
Arts and Humanities Elective	3	GNED Humanities or GNED Arts	PLYS403 Polymer Chemistry	3
MTH225 Analytic Geometry and Calculus III	4	MATH223 Analytic Geometry and Calculus II	GNED Global Diversity**	3

			Upper-Level Chemistry Elective	3
Semester 4	14-15 Credit Hours	UA Equivalent	Semester 8	15 Credit Hours
CHM242 Organic Chemistry II (lab)	5	CHEM264 Organic Chemistry II CHEM266 Organic Chemistry Lab II	GNED Complex Issues Facing Society**	3
PHY222 General Physics II w/ Calculus (lab)	4	PHYS292 Elementary Classical Physics II GNED Natural Science Requirement w/lab	Foreign Language Requirement	3
Elective	3-4		PLYS404 Polymer Physics or PLYS Science Lab	3
			PLYS499 Research Problems in Polymer Science or CHEM499 Research Problems in Chemistry	3
			Upper-Level Chemistry Elective	3

Total credits from Stark State College: 62-63

Total credits for degree: 120

**Last 30 credits must be earned at the University of Akron*

*** General Education Courses may have equivalents at Stark State College, please refer to <https://www.uakron.edu/transfer/ted/>*

****A total of 40 credits of 300/400 level courses must be taken in and outside of the student's major*

***** Calculus III must be completed before entering the UA program.*

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