A.S. – CHEMISTRY (CSU or CU) 60 credits

Student _____ Advisor _____
SID _____ Date _____

General Education * 40 credits

Communications – 9 credits

	ENG 121 English Composition I	3
	ENG 122 English Composition II	3
	COM 115 Public Speaking	3

Mathematics – 3 credits minimum

	MAT 121 College Algebra	4
	MAT 122 College Trigonometry	3
	MAT 201 Calculus I	5
	MAT 202 Calculus II	5

Physical & Life Sciences – 8 credits minimum

	AST 101 Astronomy I	4
	AST 102 Astronomy II	4
	BIO 111 General College Biology I	5
	BIO 112 General College Biology II	5
	BIO 201 Human Anatomy & Physiology I	4
	BIO 202 Human Anatomy & Physiology II	4
	BIO 204 Microbiology	4
	CHE 111 General College Chemistry I	5
	CHE 112 General College Chemistry II	5
	ENV 101 Intro to Environmental Science	4
	GEY 111 Physical Geology	4
	GEY 121 Historical Geology	4
	PHY 111 Physics: Algebra-Based I	5
	PHY 112 Physics: Algebra-Based II	5
	PHY 211 Physics: Calculus-Based I	5
	PHY 212 Physics: Calculus-Based II	5

NJC Graduation Requirement
Lifetime & Leisure Skills – any 2 unduplicated credits from DAN, HPR, HWE, PED, or PER prefixes

** All General Education courses except SPE, DAN, HPR, HWE, PED, and PER are State Guaranteed Transfer Courses.*

General Education courses in **bold** are recommended.

Social & Behavioral Sciences – 9 credits (one of which must be history) with no more than 6 credits from any one category:

History:

	HIS 101 History of Western Civilization I	3
	HIS 102 History of Western Civilization II	3
	HIS 201 U.S. History I	3
	HIS 202 U.S. History II	3
	HIS 247 Contemporary World History	3

Economic & Political Systems:

	ECO 201 Principles of Macroeconomics	3
	ECO 202 Principles of Microeconomics	3
	POS 105 Introduction to Political Science	3
	POS 111 American Government	3

Geography:

	GEO 105 World Regional Geography	3
	GEO 106 Human Geography	3

Human Behavior & Social Systems:

	ANT 101 Cultural Anthropology	3
	PSY 101 General Psychology I	3
	PSY 102 General Psychology II	3
	PSY 235 Human Growth & Development	3
	SOC 101 Introduction to Sociology I	3

Arts & Humanities – 9 credits with no more than 6 credits from any one category:

Arts:

	ART 110 Art Appreciation	3
	ART 111 Art History I	3
	ART 112 Art History II	3
	MUS 120 Music Appreciation	3
	MUS 121 Introduction to Music History I	3
	MUS 122 Introduction to Music History II	3
	THE 105 Introduction to Theatre Arts	3
	SPA 211 Spanish Language III	3
	SPA 212 Spanish Language IV	3

Literature & Humanities:

	HUM 121 Humanities: Early Civilizations	3
	HUM 122 Humanities: Medieval to Modern	3
	HUM 123 Humanities: Modern World	3
	LIT 115 Introduction to Literature	3
	LIT 201 Masterpieces of Literature I	3
	LIT 202 Masterpieces of Literature II	3

Ways of Thinking:

	PHI 111 Introduction to Philosophy	3
	PHI 112 Ethics	3
	PHI 113 Logic	3

Total General Education Credits _____

Electives (selected from the AA/AS Approved Electives List) ** 20 credits

	MAT 166 Pre-Calculus	5
	MAT 203 Calculus III	4
	CHE 211 Organic Chemistry I	5
	CHE 212 Organic Chemistry II	5

*** Electives should be selected after consulting with an academic advisor and referring to appropriate four-year institutions' transfer guides.*

Total Elective Credits _____

Total Credits _____

Additional General Education Courses
Available Online Only

Mathematics

	MAT 123 Finite Mathematics	4

Physical & Life Sciences

	MET 150 General Meteorology	4

Human Behavior & Social Systems

	ANT 111 Physical Anthropology	3
	SOC 102 Introduction to Sociology II	3
	PSY 205 Psychology of Gender	3
	PSY 226 Social Psychology	3
	PSY 227 Psychology of Death & Dying	3
	PSY 238 Child Psychology	3
	SOC 215 Contemporary Social Problems	3
	SOC 216 Sociology of Gender	3
	SOC 231 Sociology of Deviant Behavior	3

Arts

	THE 211 Developmental Theatre I	3
	THE 212 Developmental Theatre II	3
	LIT 205 Ethnic Literature	3
	PHI 114 Comparative Religions	3
	PHI 214 Philosophy of Religion	3

Literature & Humanities

	LIT 205 Ethnic Literature	3
	LIT 211 Survey of American Literature I	3
	LIT 212 Survey of American Literature II	3
	LIT 221 Survey of British Literature I	3
	LIT 222 Survey of British Literature II	3

History

	HIS 111 World Civilization I	3
	HIS 112 World Civilization II	3

Geography & Political Science

	POS 205 International Relations	3
	POS 225 Comparative Government	3