

Chemistry

Associate in Science Advising Worksheet* 2019-2020

Total Degree Credits

68

Note: Courses listed on advising worksheet are suggested. Students should consult with their advisor concerning their unique transfer decisions.

1st Year **Arts & Humanities Communications I** ENGL 110 College Composition I Communications II (Select one of the following:) **ENGL** 120 College Composition II 3 **ENGL** 125 **Introduction to Professional Writing Communications III Fundamentals of Public Speaking** COMM 110 Math, Science & Technology 121/121L General Chemistry I/Lab CHEM 5 CHEM 122/122L General Chemistry II/Lab MATH 165 Calculus I MATH 166 Calculus II Social & Behavioral Sciences 1. 3 Enrichment **Total Credits**

2nd Year					
Arts & I	Humanities				
1.				3	
Social 8	& Behavioral	Sciences			
1.				3	
Elective	s (Required)				
CHEM	241/241L	Organic Chemistry I/Lab		5	
CHEM	242/242L	Organic Chemistry II/Lab		5	
MATH	265	Calculus III		4	
MATH	266	Introduction to Differential Equations ¹		3	
PHYS	251/251L	University Physics I/Lab		5	
PHYS	252/252L	University Physics II/Lab	_	5	
			Total Credits	33	

¹ Required only for certain schools.

^{*}This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to the official catalog at http://catalog.bismarckstate.edu/for the complete listing of college degree requirements.

Associate in Science (AS) 2019-2020 Catalog

Legend

- (*) Course not approved as GERTA
- (**) Course may satisfy requirements with permission of appropriate Department Chair and Dean.
- (D) Course meets Diversity requirement (can also be used to meet general education requirements)
- (F) Course designated as Fine Arts

General E	ducation Requirements				
	OMMUNICATIONS	Completed	Needed		
Communication					
(3 Credits) - ENG	L 110				
Gr. Cr. 3 ENG	L 110 College Composition I	Transfer Course			
Communication	ons II			_	
	120 or ENGL 125 (Select one)				
Gr. Cr.		Gr. Cr.		Transfer Course	
3 ENG	L 120 College Composition II	3 ENGL 125	Introduction to Professional Writing		
Communication	ons III				
(3 credits) - COMI					
Gr. Cr.		Transfer Course			
3 COM	IM 110 Fundamentals of Public Speaking			_	
Category II: A	RTS & HUMANITIES			Completed	Needed
	more than 3 credits of Fine Arts may be used				
Gr. Cr.		Gr. Cr.		Gr. Cr.	
3 D ART		3 ENGL 278	Alternative Literature	1 F MUSC 137	Jazz Ensemble
3 F ART	· ·	3 HIST 101	Western Civilization I	1 F/ *MUSC 138	Percussion Ensemble
3 F ART	124 Three-Dimensional Design	3 HIST 102	Western Civilization II	1 F MUSC 145	Applied Music
3 F ART	130 Drawing I	3 HIST 103	United States to 1877	1 F MUSC 146	Applied Music - Major
3 D ART	210 Art History I	3 HIST 104	United States Since 1877	3 D PHIL 101	Introduction to Philosophy
3 D ART	211 Art History II	3 D HIST 211	World Civilizations to 1500	3 PHIL 210	Ethics
3 F ART	220 Painting I	3 D HIST 212	World Civilizations since 1500	3 PHIL 220	Introduction to Logic
3 F ART	221 Painting II	3 HIST 220	North Dakota History	3 D PHIL 250	Philosophy in Cinema
3 F ART	230 Drawing II	3 HIST 222	History of the Western Frontier	3 PHIL 253	Environmental Ethics
3 F ART	250 Ceramics I	3 HIST 224	American Studies I	3 D RELS 120	Religion in America
3 F ART	251 Ceramics II	3 HIST 225	American Studies II	3 RELS 201	Life and Letters of Paul
2 F ART	265 Sculpture I	1-3 * HIST 243	Historical Investigations	3 D RELS 203	World Religions
2 F ART	266 Sculpture II	3 D HUMS 210	Integrated Cultural Studies	3 RELS 220	Old Testament
3 COM	1M 211 Oral Interpretation	1-4 HUMS 211	Integrated Cultural Excursion	3 RELS 230	New Testament
3 ENGI	L 211 Introduction to Creative Writing	2 HUMS 212	Integrated Cultural Enrichment	4 D SPAN 101	First Year Spanish I
3 D ENGI	L 221 Introduction to Drama	3 MUSC 100	Music Appreciation	4 D SPAN 102	First Year Spanish II
3 D ENGI	L 222 Introduction to Poetry	1 F MUSC 117	Concert Choir	4 D SPAN 201	Second Year Spanish I
3 D ENGI	L 233 Fantasy and Science Fiction	1 F MUSC 118	Chamber Choir	4 D SPAN 202	Second Year Spanish II
	L 236 Women and Literature	1 F MUSC 121	String Ensemble	3 THEA 110	Introduction to Theatre Arts
	L 238 Children's Literature	1 F MUSC 132	Wind Ensemble	3 F THEA 161	Acting I
	L 251 British Literature I	1 F MUSC 133	Woodwind Ensemble I	3 D THEA 180	Dramatic Literature and Style I
	L 252 British Literature II	1 F MUSC 134	Woodwind Ensemble II	3 D THEA 181	Dramatic Literature and Style II
	L 261 American Literature I	1 F MUSC 135	Brass Ensemble I	3 F THEA 261	Acting II
3 D ENG		1 F MUSC 136	Brass Ensemble II		
Transfer Course		Transfer Course		Transfer Course	

General Education Requirements Continued

Category III: SOCIAL & BEHAVIORAL SCIENCE

Completed_

Needed

Cr.		Gr. Cr.		Gr. Cr.	
3 ANTH 170 3 D ANTH 171 3 D CJ 201 3 COMM 112 3 COMM 212 3 ECON 105 3 D ECON 201 3 ECON 202 3 D GEOG 161 3 POLS 115	Physical Anthropology and Archeology Introduction to Cultural Anthropology Introduction to Criminal Justice Understanding Media and Social Change Interpersonal Communications Elements of Economics Principles of Microeconomics Principles of Macroeconomics World Regional Geography American Government	3 POLS 116 3 D POLS 220 3 D PSYC 100 3 PSYC 111 3 * PSYC 211 3 PSYC 250 3 * PSYC 261 3 PSYC 270 3 D SOC 110	State and Local Government International Politics Human Relations in Organizations Introduction to Psychology Introduction to Behavior Modification Developmental Psychology Psychology of Adjustment Abnormal Psychology Introduction to Sociology	3 D SOC 115 3 D SOC 220 3 D SOC 221 3 D SOC 235 3 D SOC 251 3 D SOC 252 3 D SOC 252 3 D SOC 275 3 SWK 256	Social Problems Family Minority Relations Cultural Diversity Gerontology Criminology American Indian Studies Development of Social Welfare
er Course		Transfer Course		Transfer Course	

	, SCIENCE & TECHNOLOGY			Completed	Needed
Credits) -Math - 3 c	credit minimum (excluding MATH 137)	- Lab Science pair - 8 ci	redit minimum		
r. Cr.		Gr. Cr.		Gr. Cr.	
3/1 ASTR 150	Meteorology/Lab	4/1 CHEM 121	General Chemistry I/Lab	3 * MATH 208	Discrete Mathematics
1 * BIOL 102	Introduction to Aquarium Keeping	4/1 CHEM 122	General Chemistry II/Lab	3 MATH 210	Elementary Statistics
3 BIOL 109	The Living World	3 CSCI 101	Introduction to Computers	4 * MATH 277	Mathematics for Elementary Teacher
3/1 BIOL 111	Concepts of Biology/Lab	3 CSCI 122	Beginning Visual Basic	3/1 MICR 202	Introductory Microbiology/Lab
3/1 BIOL 115	Concepts of Anatomy & Physiology/Lab	4 CSCI 160	Computer Science I	3 * NUTR 240	Principles of Nutrition
3 BIOL 124	Environmental Science	4 CSCI 161	Computer Science II	3/1 PHYS 100	Concepts of Physics/Lab
3/1 BIOL 125	Introduction to Ecology/Lab	3/1 GEOG 121	Physical Geography/Lab	3/1 PHYS 110	Introductory Astronomy/Lab
3/1 BIOL 126	Human Biology/Lab	3/1 GEOL 102	Historical Geology/Lab	4/1 PHYS 211	College Physics I/Lab
3/1 BIOL 150	General Biology I/Lab	3/1 GEOL 105	Physical Geology/Lab	4/1 PHYS 212	College Physics II/Lab
3/1 BIOL 151	General Biology II/Lab	3 GIS 105	Fundamentals of GIS	4/1 PHYS 251	University Physics I/Lab
3/1 BIOL 170	General Zoology/Lab	3 * GIS 107	GIS Applications	4/1 PHYS 252	University Physics II/Lab
3/1 BIOL 220	Anatomy and Physiology I/Lab	4 MATH 103	College Algebra	2/1 PLSC 110	World Food Crops/Lab
3/1 BIOL 221	Anatomy and Physiology II/Lab	3 MATH 104	Finite Mathematics	3/1 SCNC 101	Physical Science I/Lab
3/1 BIOL 250	Survey of Tropical Biology/Lab	2 MATH 105	Trigonometry		(Biology & Chemistry)
3/1 BOT 170	Plant Form and Diversity/Lab	4 MATH 107	Pre-Calculus	3/1 SCNC 102	Physical Science II/Lab
3/1 CHEM 110	Survey of Chemistry/Lab	3 MATH 146	Applied Calculus I		(Physics & Geology)
3/1 CHEM 112	Intro to Forensic Science/Lab	4 MATH 165	Calculus I	3/1 SCNC 103	Physical Science III/Lab
3/1 CHEM 114	Chemistry in Art/Lab	4 MATH 166	Calculus II		(Astronomy & Meteorology)
4/1 CHEM 115	Introductory Chemistry/Lab			2/1 * SOIL 210	Introduction to Soil Science/Lab
4/1 CHEM 116	Intro to Organic and Biochemistry/Lab				
_					
nsfer Course		Transfer Course		Transfer Course	

Enrichment Requiremen	nt			Completed	Neede	ed
(2 Credits) A course used to meet a general	l education requirement can also	be used to meet en	richment requirements.			
Gr. Cr.	Gr. Cr.			Gr. Cr.		
3 ART 122 Two-Dimensional	Design 3	COMM 240	Introduction to News Photography	1/1	MUSC 130/131 C	Class Voice
3 ART 124 Three-Dimensiona	al Design 3	COMM 242	Advanced News Photography	1	MUSC 132 V	Vind Ensemble
3/3 ART 130/230 Drawing I & II	3	COMM 244	Reporting and Feature Writing	1/1	MUSC 133/134 V	Noodwind Ensemble I & II
3 ART 135 Sculptural Weldin	g 3	COMM 270	Basic Video Production	1/1	MUSC 135/136 E	Brass Ensemble I & II
2/2 ART 204/205 Jewelry I & II	1	COMM 281	Reporting and Editing: Mystician	1	MUSC 137 J	azz Ensemble
3/3 ART 220/221 Painting I & II	1	COMM 283	Video Lab: MystiCast	1	MUSC 138 P	Percussion Ensemble
2/2 ART 225/226 Water Media I & I		COMM 284	Radio Lab: The MYX	1/1	•	Applied Music & Applied Music -Major
3 ART 231 Figure Drawing I	1	COMM 285	Communication Arts Lab	1/1	•	Class Piano I & II
3/3 ART 250/251 Ceramics I & II		** COMM 299	Special Topics	1/1	•	Class Guitar-Beginner & II
1-3 ART 252 Advanced Cerami			Literary Publications	1		Guitar Ensemble
2/2 ART 265/266 Sculpture I & II		** ENGL 299	Special Topics			Mini-Music
3/3 ART 270/271 Printmaking I & II		FYE 101	Seminar on Success	1/1	•	Class Voice
1-3 ** ART 299 Special Topics	2	HPER 100	Concepts of Fitness and Wellness	1/1	•	Class Piano III & IV
3 AUTO 101 Intro to Automotic		HPER 101	Activity: Introductory Level	2		special Topics
1 BIOL 102 Introduction to Ac 1 BIOL 108 Beginning Birding		HPER 150/151 HPER 202	Varsity Athletics Activity: Intermediate Level			Nurse Assistant Training Prior Learning Assessment: Portfolio
3/1 BIOL 125 Introduction to Ed		HPER 210	First Aid, CPR and AED			Relationships and Self Esteem
3/1 BIOL 126 Human Biology/La			Introduction to Self Defense	3		ntroduction to Sports and
3 BCT 216 Sustainable Buildi			Varsity Athletics			Performance Psychology
3 CARP 112 Intro to the Green	<u></u> ·	•	Special Topics	3		Acting I
3/1 CHEM 114 Chemistry in Art/L		HUMS 211	Integrated Cultural Excursion	3/3		Dance-Theatre Movement I & II
3 CJ 235 Field Experience a		HUMS 212	Integrated Cultural Enrichment	1-3	•	heatre Practicum
3 COMM 200 Introduction to M	ledia Writing 2	MS 101	Foundations of Leadership	3	THEA 247 S	itage Makeup
3 COMM 201 Interpretive and C	Opinion Writing 2	MS 102	Basic Leadership	1-3	THEA 255 C	One Act Play Production
3 COMM 206 Digital Communic	ation Fundamentals 2	MS 110	Military Physical Fitness	3	THEA 270 S	Stagecraft
3 COMM 222 Voice and Diction	1	MUSC 117	Concert Choir	1	XXX 195/295 S	Service Learning (prefix for Service
3 COMM 224 Social Media, Wri	ting & Design 1	MUSC 118	Chamber Choir		L	earning is discipline specific)
3 COMM 225 Introduction to Au	udio Production 1	MUSC 121	String Ensemble			
Electives				C	No de	
				Completed	Neede	ea
(Minimum of 22 Credits) Courses related to						
Gr. Cr. Course	Gr. Cr.	Course		Gr. Cr.	Course	

Academic Skills Courses (ASC)	
The following Academic Skills Courses (ASC) are pre-college courses that indicate education requirements, institutional credit requirements and cannot be included	the need for college preparation work before enrollment in college level courses. These courses will not fulfill general
Gr. Cr. 2 ASC 082 Effective Reading 2 A 2 ASC 91 Algebra Prep I 2 A 2 ASC 92 Algebra Prep II 2 A	ASC 94 College Writing Prep I ASC 95 College Writing Prep II ASC 96 College Writing Prep III ASC 98 Basic Biology/Lab
Degree Checklist	
Credits Earned a minimum of 3 credits in ENGL 110 Earned a minimum of 3 credits in ENGL 120 or ENGL 125 Earned a minimum of 3 credits in COMM 110 Earned a minimum of 6 credits in Arts & Humanities ¹ Earned a minimum of 6 credits in Social & Behavioral Sciences Earned a minimum of 15 credits in Math, Science & Technology ² Earned a minimum of 2 credits of Enrichment Earned a minimum of 22 credits of Electives Earned a minimum of 60 credits -Academic Skills Courses (ASC) do not count toward graduation	Earned at least 15 semester hours of institutional credit from BSC Minimum of 2.00 institutional GPA (BSC only) Minimum of 2.00 cumulative GPA (BSC + Transfer) Earned a minimum of 3 credits from a course designated as Diversity Cleared all college obligations Satisfied all degree seeking admission requirements Filed an Application for Degree in the Academic Records Office immediately following enrollment in final semester Specific programs may require additional degree/program requirements; refer to your program.
Advisor: Office: Phone: Email:	 No more than 3 hours of Fine Arts may be used. Laboratory science pair - 8 credit minimum, Math (excluding MATH 137) - 3 credit minimum

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