



Data Analytics Technician - 2 Year Plan

Associate in Applied Science
Advising Worksheet* 2019-2020

Prescribed Technical Program	47
General Education	15
Total Degree Credits	62

Semester I

Prescribed Technical Program Requirements			
CIS	102	Computer Software Applications-Word ¹	3
ACCT	200	Elements of Accounting I	3
MATH	103	College Algebra	4
General Education Courses			
<i>Business, Math, Science & Technology</i>			
CSCI	101	Introduction to Computers (Required)	3
<i>Communications I</i>			
ENGL	110	College Composition I (Required)	3
Total Credits			16

Semester II

Prescribed Technical Program Requirements			
ACCT	201	Elements of Accounting II	3
CIS	105	Microcomputer Spreadsheets ¹	3
CIS	147	Principles of Information Security	3
MATH	146	Applied Calculus I	3
General Education Course			
<i>Communications II</i>			
ENGL	120	College Composition II (Required)	3
Total Credits			15

Semester III

Prescribed Technical Program Requirements			
CIS	104	Microcomputer Database ¹	3
CIS	154	Web Design Theory	3
CIS	185	Introduction to Programming	3
ECON	201	Principles of Microeconomics	3
General Education Course			
<i>Business, Math, Science & Technology</i>			
MATH	210	Elementary Statistics (Required)	3
Total Credits			15

Semester IV

Prescribed Technical Program Requirements			
CIS	204	Database Design and Structured Query Language (SQL)	3
CIS	241	Digital Forensics Fundamentals	3
CIS	252	XML	3
CSCI	160	Computer Science I	4
General Education Course			
<i>Arts & Humanities/Social & Behavioral Sciences</i>			
ECON	202	Principles of Macroeconomics (Required)	3
Total Credits			16

¹ CIS 102, CIS 104 and CIS 105 may be challenged.

Associate in Applied Science (AAS) 2019-2020 Catalog

Advisor: _____
 Office: _____
 Phone: _____
 Email: _____

Degree Checklist

Credits

- _____ Earned a minimum of 3 credits in ENGL 110
- _____ Earned a minimum of 3 credits in ENGL 120, ENGL 125 or COMM 110 ¹
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences ¹
- _____ Earned a minimum of 6 credits in Business, Math, Science & Technology ²
- _____ Completed prescribed technical program requirements
- 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)
- Minimum of 2.00 GPA in a prescribed technical program
- 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.

¹ Programs may have specific General Education requirements; refer to your program degree plan.

² Must be from any two areas of study. For example, a Biology course and a Math course, but not two Biology courses or two Math courses.

Legend

(*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS

Completed _____ Needed _____

Communications I

(3 Credits) - ENGL 110

Gr.	Cr.	
_____	3	ENGL 110 College Composition I

Transfer Course _____

Communications II

(3 Credits) - ENGL 120, ENGL 125, COMM 110 (Select one)

Gr.	Cr.	
_____	3	ENGL 120 College Composition II
_____	3	ENGL 125 Introduction to Professional Writing
_____	3	COMM 110 Fundamentals of Public Speaking

Transfer Course _____

General Education Requirements Continued

Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed _____ Needed _____

(3 Credits)

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.				
_____	3	ANTH 170	Physical Anthropology and Archeology	_____	3	HIST 101	Western Civilization I	_____	3	POLS 115	American Government
_____	3	ANTH 171	Introduction to Cultural Anthropology	_____	3	HIST 102	Western Civilization II	_____	3	POLS 116	State and Local Government
_____	3	ART 110	Introduction to the Visual Arts	_____	3	HIST 103	United States to 1877	_____	3	POLS 220	International Politics
_____	3	ART 122	Two-Dimensional Design	_____	3	HIST 104	United States Since 1877	_____	3	PSYC 100	Human Relations In Organizations
_____	3	ART 124	Three-Dimensional Design	_____	3	HIST 211	World Civilizations to 1500	_____	3	PSYC 111	Introduction to Psychology
_____	3	ART 130	Drawing I	_____	3	HIST 212	World Civilizations since 1500	_____	3	* PSYC 211	Introduction to Behavior Modification
_____	3	ART 210	Art History I	_____	3	HIST 220	North Dakota History	_____	3	PSYC 250	Developmental Psychology
_____	3	ART 211	Art History II	_____	3	HIST 222	History of the Western Frontier	_____	3	* PSYC 261	Psychology of Adjustment
_____	3	ART 220	Painting I	_____	3	HIST 224	American Studies I	_____	3	PSYC 270	Abnormal Psychology
_____	3	ART 221	Painting II	_____	3	HIST 225	American Studies II	_____	3	RELS 120	Religion in America
_____	3	ART 230	Drawing II	_____	1-3	* HIST 243	Historical Investigations	_____	3	RELS 201	Life and Letters of Paul
_____	3	ART 250	Ceramics I	_____	3	HUMS 210	Integrated Cultural Studies	_____	3	RELS 203	World Religions
_____	3	ART 251	Ceramics II	_____	1-4	HUMS 211	Integrated Cultural Excursion	_____	3	RELS 220	Old Testament
_____	2	ART 265	Sculpture I	_____	2	HUMS 212	Integrated Cultural Enrichment	_____	3	RELS 230	New Testament
_____	2	ART 266	Sculpture II	_____	3	MUSC 100	Music Appreciation	_____	3	SOC 110	Introduction to Sociology
_____	3	* CIS 280	Cyber Ethics	_____	1	MUSC 117	Concert Choir	_____	3	SOC 115	Social Problems
_____	3	CJ 201	Introduction to Criminal Justice	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 220	Family
_____	3	COMM 112	Understanding Media and Social Change	_____	1	MUSC 121	String Ensemble	_____	3	SOC 221	Minority Relations
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 235	Cultural Diversity
_____	3	COMM 212	Interpersonal Communications	_____	1	MUSC 133	Woodwind Ensemble I	_____	3	SOC 251	Gerontology
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 134	Woodwind Ensemble II	_____	3	SOC 252	Criminology
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 135	Brass Ensemble I	_____	3	SOC 275	American Indian Studies
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 136	Brass Ensemble II	_____	4	SPAN 101	First Year Spanish I
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 137	Jazz Ensemble	_____	4	SPAN 102	First Year Spanish II
_____	3	ENGL 221	Introduction to Drama	_____	1	* MUSC 138	Percussion Ensemble	_____	4	SPAN 201	Second Year Spanish I
_____	3	ENGL 222	Introduction to Poetry	_____	1	MUSC 145	Applied Music	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 233	Fantasy and Science Fiction	_____	1	MUSC 146	Applied Music - Major	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 236	Women and Literature	_____	3	PHIL 101	Introduction to Philosophy	_____	3	THEA 110	Introduction to Theatre Arts
_____	3	ENGL 238	Children's Literature	_____	3	PHIL 210	Ethics	_____	3	THEA 161	Acting I
_____	3	ENGL 251	British Literature I	_____	3	PHIL 220	Introduction to Logic	_____	3	THEA 180	Dramatic Literature and Style I
_____	3	ENGL 252	British Literature II	_____	3	PHIL 250	Philosophy in Cinema	_____	3	THEA 181	Dramatic Literature and Style II
_____	3	ENGL 261	American Literature I	_____	3	PHIL 253	Environmental Ethics	_____	3	THEA 261	Acting II
_____	3	ENGL 262	American Literature II								
_____	3	ENGL 278	Alternative Literature								
_____	3	GEOG 161	World Regional Geography								

Transfer Courses

Transfer Courses

Transfer Courses

General Education Requirements Continued

Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed _____ Needed _____

(6 Credits) Must be satisfied with courses from two areas of study. Area of study is based on course prefix.

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	* ACCT 200	_____	3/1	CHEM 110	_____	3	MATH 146
		Elements of Accounting I			Survey of Chemistry/Lab			Applied Calculus I
_____	3	* ACCT 201	_____	3/1	CHEM 112	_____	4	MATH 165
		Elements of Accounting II			Introduction to Forensic Science/Lab			Calculus I
_____	3/1	ASTR 150	_____	3/1	CHEM 114	_____	4	MATH 166
		Meteorology/Lab			Chemistry in Art/Lab			Calculus II
_____	3	* BADM 202	_____	4/1	CHEM 115	_____	3	* MATH 208
		Principles of Management			Introductory Chemistry/Lab			Discrete Mathematics
_____	3	* BADM 210	_____	4/1	CHEM 116	_____	3	MATH 210
		Advertising I			Intro to Organic and Biochemistry/Lab			Elementary Statistics
_____	3	* BADM 240	_____	4/1	CHEM 121	_____	4	* MATH 277
		Sales			General Chemistry I/Lab			Mathematics for Elementary Teachers I
_____	3	* BADM 281	_____	4/1	CHEM 122	_____	3/1	MICR 202
		Organizational Behavior			General Chemistry II/Lab			Introductory Microbiology/Lab
_____	3	* BADM 282	_____	3	* CIS 147	_____	3	* NUTR 240
		Human Resource Management			Principles of Information Security			Principles of Nutrition
_____	1	* BIOL 102	_____	4	* CIS 164	_____	3/1	PHYS 100
		Introduction to Aquarium Keeping			Networking Fundamentals I			Concepts of Physics/Lab
_____	3	BIOL 109	_____	3	CSCI 101	_____	3/1	PHYS 110
		The Living World			Introduction to Computers			Introductory Astronomy/Lab
_____	3/1	BIOL 111	_____	3	CSCI 122	_____	4/1	PHYS 211
		Concepts of Biology/Lab			Beginning Visual Basic			College Physics I/Lab
_____	3/1	BIOL 115	_____	4	CSCI 160	_____	4/1	PHYS 212
		Concepts of Anatomy & Physiology/Lab			Computer Science I			College Physics II/Lab
_____	3	BIOL 124	_____	4	CSCI 161	_____	4/1	PHYS 251
		Environmental Science			Computer Science II			University Physics I/Lab
_____	3/1	BIOL 125	_____	3/1	GEOG 121	_____	4/1	PHYS 252
		Introduction to Ecology/Lab			Physical Geography/Lab			University Physics II/Lab
_____	3/1	BIOL 126	_____	3/1	GEOG 102	_____	2/1	PLSC 110
		Human Biology/Lab			Historical Geology/Lab			World Food Crops/Lab
_____	3/1	BIOL 150	_____	3/1	GEOG 105	_____	3/1	SCNC 101
		General Biology I/Lab			Physical Geology/Lab			Physical Science I/Lab
_____	3/1	BIOL 151	_____	3	GIS 105	_____		(Biology & Chemistry)
		General Biology II/Lab			Fundamentals of GIS			Physical Science II/Lab
_____	3/1	BIOL 170	_____	3	* GIS 107	_____	3/1	SCNC 102
		General Zoology/Lab			GIS Applications			(Physics & Geology)
_____	3/1	BIOL 220	_____	4	MATH 103	_____	3/1	SCNC 103
		Anatomy and Physiology I/Lab			College Algebra			Physical Science III/Lab
_____	3/1	BIOL 221	_____	3	MATH 104	_____		(Astronomy & Meteorology)
		Anatomy and Physiology II/Lab			Finite Mathematics			Introduction to Soil Science/Lab
_____	3/1	BIOL 250	_____	2	MATH 105	_____		
		Survey of Tropical Biology/Lab			Trigonometry			
_____	3/1	BOT 170	_____	4	MATH 107	_____	2/1	* SOIL 210
		Plant Form and Diversity/Lab			Pre-Calculus			
_____	3	* BUSN 120	_____	3	* MATH 137	_____		
		Fundamentals of Business			Applied Algebra			

Transfer Courses

Transfer Courses

Transfer Courses

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC) are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for an Associate in Applied Science degree.

Gr.	Cr.		Gr.	Cr.	
_____	2	ASC 082	_____	2	ASC 94
		Effective Reading			College Writing Prep I
_____	2	ASC 91	_____	2	ASC 95
		Algebra Prep I			College Writing Prep II
_____	2	ASC 92	_____	2	ASC 96
		Algebra Prep II			College Writing Prep III
_____	2	ASC 93	_____	3/1	ASC 098
		Algebra Prep III			Basic Biology/Lab