DAKOTA STATE UNIVERSITY

Plan of Study

Artificial Intelligence in Organizations

Catalog Year: 2021 – 2022

Sample Schedule: students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years.*

FIRST YEAR

First Semester

Course	Prerequisites / Comments	Credits	On Campus	Online
			Semester(s) Offered	
SGE Written Communication - ENGL 101 Composition I	1 of 2	3	F/S	F/S/SU
SGE Mathematics (MATH 114)	1 of 1	3	F/S	F/S/SU
SGE Social Sciences (ECON 201)	1 of 2	3	F/S	F/S/SU
CSC 105 Introduction to Computers		3	F/S	F/S/SU
CSC 150 Computer Science I		3	F/S	F/S/SU
	Total Credit Hours	**15**		

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
SGE Arts & Humanities	1 of 2	3	F/S	F/S/SU
SGE Written Communication – ENGL 201 Composition II	2 of 2	3	F/S	F/S/U
BADM 201 Fundamentals of AI in Organizations		3		
BADM 220 Business Statistics	Math 114 or Higher	3	F/S	F/SU
CSC 250 Computer Science II	CSC 150	3	F/S	F/S/SU
	Total Credit Hours	**15**		

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
MATH 201 Introduction to Discrete Mathematics	Math 114 or Higher	3	F/S	F/S/SU
BADM 344 Managerial Communications	ENGL 101	3	F/S	F/SU
BADM 360 Organization & Management		3	F/S	F/SU
CIS 325 Management Information Systems		3	F	F/S/SU
CIS 372 Programing for Analytics	CIS 123 or CIS 130 or CSC 150	3	F	F
	Total Credit Hours	**15**		

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
SGE Oral Communication	1 of 1	3	F/S	F/S/SU
BADM 321 Business Statistics II	BADM 220 or MATH 281 or STAT 281	3	F/S	S/SU
CIS 338 Project Management		3	S	S/SU
CIS 368 Predictive Analytic	CIS 372 and BADM 220 or MATH 281	3	S	S
SGE Social Sciences	2 of 2	3	F/S	F/S/SU
	Total Credit Hours	**15**		

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
SGE Natural Sciences	1 of 2	3	F/S	F/S/SU
SGE Arts & Humanities	2 of 2	3	F/S	F/S/SU
BADM 370 Marketing	ECON 201	3	F/S	F/S/SU
CIS 470 Strategy & Application of AI in Organizations	CIS 368	3		
CIS 474 Business Intelligence & Big Data	CIS 251 or CSC 250	3	F	F
	Total Credit Hours	**15**		

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
SGE Natural Sciences	2 of 2	3	F/S	F/S/SU
CIS 384 Decision Support Systems	CIS 325	3	S	S/SU
CIS 378 Applied Artificial Intelligence and Applications		3		
CSC 386 Machine Learning Fundamentals	CSC 250	3	F/S	F/S/SU
ACCT, BADM, CIS, CSC, ECON, HIM Elective	1 of 5	3	F/S	F/S/SU
	Total Credit Hours	**15**		

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CIS 484 Database Management Systems		3	F/S	F/S/SU
ACCT, BADM, CIS, CSC, ECON, HIM Elective	2 of 5	3	F/S	F/S/SU
BADM 472 Marketing Technology	BADM 370	3	F(Odd)	F(Odd)
BADM 435 Management Technology & Innovations	BADM 360	3	F	S
BADM 336 Entrepreneurship I		3	F	F
	Total Credit Hours	**15**		

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
ACCT, BADM, CIS, CSC, ECON, HIM Elective	3 of 5	3	F/S	F/S/SU
ACCT, BADM, CIS, CSC, ECON, HIM Elective	4 of 5	3	F/S	F/S/SU
ACCT, BADM, CIS, CSC, ECON, HIM Elective	5 of 5	3	F/S	F/S/SU
Open Elective	1 of 2	3	F/S	F/S/SU
Open Elective	2 of 2	3	F/S	F/S/SU
	Total Credit Hours	**15**		

P = Course Prerequisite

Semester: F = Fall; S = Spring; SU = Summer

Information and course schedules may change. This is not a contract.