



ACADEMIC TENTATIVE DEGREE COMPLETION CHECKLIST

College of Science, Department of Physical Sciences & Mathematics

BS, Data Science - Data Analytics Track

Student Name _____	Banner ID _____
Catalog Year _____	Anticipated Graduation Date _____
Advisor _____	
Additional Comments: _____	

YEAR 1 WL	Semester 1 Fall	Hours	Semester 2 Spring	Hours
	<input type="checkbox"/> MATH 145 PRE-CALCULUS (GE)	4	<input type="checkbox"/> MATH 175 INTRODUCTION TO PROGRAMMING IN PYTHON	3
	<input type="checkbox"/> MATH 160 INTRODUCTION TO STATISTICS	3	<input type="checkbox"/> MATH 210 CALCULUS AND ANALYTIC GEOMETRY I	4
	<input type="checkbox"/> ENG 101 COLLEGE COMPOSITION I (GE)	3	<input type="checkbox"/> ENG 102 COLLEGE COMPOSITION II (GE)	3
	<input type="checkbox"/> HIST 210 HISTORY OF U.S. I, TO 1876 (GE)	3	<input type="checkbox"/> PHIL 210 LOGIC AND CRITICAL THINKING (GE)	3
	<input type="checkbox"/> COLL 101 FIRST YEAR EXPERIENCE	2	<input type="checkbox"/> MUS 130 MUSIC APPRECIATION (GE)	3
Semester Hours:		15	Semester Hours: 16	
Notes: General Education (GE) courses admit some flexibility; consult the University's academic catalog for details. MATH 145 Pre-Calculus (Fall semester, Year 1) is a prerequisite for MATH 210.				

YEAR 2 WL	Semester 1 Fall	Hours	Semester 2 Spring	Hours
	<input type="checkbox"/> MATH 205 FOUNDATIONS OF DATA SCIENCE	3	<input type="checkbox"/> MATH 374 DISCRETE MATHEMATICS	3
	<input type="checkbox"/> MATH 220 DATA STRUCTURES AND ALGORITHMS	3	<input type="checkbox"/> GBUS 315 AI FOR BUSINESS APPLICATIONS	3
	<input type="checkbox"/> CIS 271 PRACTICAL COMPUTER APPLICATIONS	3	<input type="checkbox"/> MINOR CLASS 1	3
	<input type="checkbox"/> SPA 252 SIGN LANGUAGE I (GE)	3	<input type="checkbox"/> COM 101 FUNDAMENTALS OF ORAL COMMUNICATIONS (GE)	3
	<input type="checkbox"/> GEO 205 INTRODUCTION TO GEOGRAPHY (GE)	3	<input type="checkbox"/> ENG 202 EXPLORATIONS IN LITERATURE (GE)	3
Semester Hours:		15	Semester Hours: 15	
Notes:				

YEAR 3 WL	Semester 1 Fall	Hours	Semester 2 Spring	Hours
	<input type="checkbox"/> MATH 341 LINEAR ALGEBRA	3	<input type="checkbox"/> MATH 470 COMPUTATIONAL STATISTICS	3
	<input type="checkbox"/> CIS 372 DATABASE MANAGEMENT SYSTEMS	3	<input type="checkbox"/> CIS 463 BUSINESS MODELING	3
	<input type="checkbox"/> MINOR CLASS 2	3	<input type="checkbox"/> CIS 480 BUSINESS INTELLIGENCE	3
	<input type="checkbox"/> CHEM 110 GENERAL CHEMISTRY I (GE)	3	<input type="checkbox"/> MINOR CLASS 3	3
	<input type="checkbox"/> CHEM 111 GENERAL CHEMISTRY I LAB (GE)	1	<input type="checkbox"/> POLS 201 AMERICAN GOVERNMENT (GE)	3
<input type="checkbox"/> ELECTIVE	3	<input type="checkbox"/>		
Semester Hours:		16	Semester Hours: 15	
Notes: MATH 470 is offered every other year. Some cohorts will take this class in Year 3 (as seen on this sheet), and some cohorts will take it in Year 4. Students who must take the course in Year 4 may take an additional minor/elective course in the spring semester of Year 3.				

YEAR 4 WL	Semester 1 Fall	Hours	Semester 2 Spring	Hours
	<input type="checkbox"/> MATH 473 MACHINE LEARNING I	4	<input type="checkbox"/> MATH 482 DATA SCIENCE CAPSTONE	2
	<input type="checkbox"/> CIS 486 DATA ANALYTICS I	3	<input type="checkbox"/> CIS 487 DATA ANALYTICS II	3
	<input type="checkbox"/> MINOR CLASS 4	3	<input type="checkbox"/> MINOR CLASS 6	3
	<input type="checkbox"/> MINOR CLASS 5	3	<input type="checkbox"/> ELECTIVE	3
	<input type="checkbox"/> ELECTIVE	3	<input type="checkbox"/> ELECTIVE	3
Semester Hours:		16	Semester Hours: 14	
Notes: MATH 473 is offered every other year. Some cohorts will take this class in Year 4, and some cohorts will take it in Year 3. CIS 486/487 are offered every other year. CIS 486 is always in the Fall of an EVEN YEAR with CIS 487 in the Spring of an ODD YEAR. Some students will take these courses in Year 3, instead of Year 4, but always after completing CIS 480.				