

# 2025-26 IT: Data Science and Analytics Academic Map

Name:

This academic map is a suggested four-year schedule of courses based on degree requirements in the GGC catalog. This sample schedule serves as a general guideline to help build a full schedule each term. **Missing milestones could delay your program.**

ID:

FRESHMAN FALL		FRESHMAN SPRING		FRESHMAN SUMMER	
Course	Hours	Course	Hours	Course	Hours
<input type="checkbox"/> ENGLISH COMPOSITION1 ENGL 1101	3	<input type="checkbox"/> ENGLISH COMPOSITION2 ENGL 1102	3	Recommend taking classes in the summer to stay on track	
<input type="checkbox"/> PRE-CALCULUS MATH 1113	4	<input type="checkbox"/> CALCULUS I MATH 2200	4		
<input type="checkbox"/> INTRODUCTION TO COMPUTING ITEC 1001	4	<input type="checkbox"/> INTRO TO PROGRAMMING ITEC 2120	4		
<input type="checkbox"/> U.S. HISTORY HIST 2111 OR 2112	3	<input type="checkbox"/> INFORMATION SYSTEMS ITEC 2201	3		
<input type="checkbox"/> CHOICES FOR LIFE PHED 1101	1	<input type="checkbox"/> PHYSICAL EDUCATION Any PHED except 1101	1		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>		
<b>RUNNING TOTAL</b>	<b>15</b>	<b>RUNNING TOTAL</b>	<b>30</b>		
SOPHOMORE FALL		SOPHOMORE SPRING		SOPHOMORE SUMMER	
<input type="checkbox"/> HUMANITIES / FINEARTS 2 RELN 1100 / GEOG 1101 / 2000-LEVEL FOREIGN LANGUAGE	3	<input type="checkbox"/> INTERMEDIATE PROGRAMMING ITEC 2150	4	Recommend taking classes in the summer to stay on track	
<input type="checkbox"/> PROGRAMMING FOR DATA ANALYSIS ITEC 3160	4	<input type="checkbox"/> SOCIAL SCIENCE PSYC 1102/SOCI 1101/ANTH 1102/ECON 2100	3		
<input type="checkbox"/> FUNDAMENTALS OF PROGRAMMING ITEC 2140	4	<input type="checkbox"/> INTRO TO DATABASES ITEC 3200	3		
<input type="checkbox"/> DISCRETE MATH MATH 2300	3	<input type="checkbox"/> DATA INTENSIVE FUNDAMENTALS ITEC 3170	3		
<input type="checkbox"/> STATISTICAL DATA ANALYSIS MATH 2050	3	<input type="checkbox"/> PHYSICAL EDUCATION Any PHED except 1101	1		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>14</b>		
<b>RUNNING TOTAL</b>	<b>47</b>	<b>RUNNING TOTAL</b>	<b>61</b>		
JUNIOR FALL		JUNIOR SPRING		JUNIOR SUMMER	
<input type="checkbox"/> PRINCIPLES OF CHEMISTRY I CHEM 12111K	4	<input type="checkbox"/> PRINCIPLES OF CHEMISTRY II CHEM 1212K	4	Recommend taking classes in summer to stay on track	
<input type="checkbox"/> SYSTEM ANALYSIS AND DESIGN ITEC 3700	3	<input type="checkbox"/> PROFESSIONAL PRACTICE AND ETHICS ITEC 3900	3		
<input type="checkbox"/> INTRO TO NETWORKS ITEC 3100	3	<input type="checkbox"/> DOMAIN ELECTIVE 1 See program plan for options	3		
<input type="checkbox"/> LINEAR ALGEBRA MATH 2450	3	<input type="checkbox"/> ARTIFICIAL INTELLIGENCE ITEC 4700	3		
<input type="checkbox"/> HISTORY HIST 1111, 1112, 1121, 1122, 2111, or 2112 (take one course not already completed)	3	<input type="checkbox"/> INFORMATION ANALYTICS ITEC 4210	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>		
<b>RUNNING TOTAL</b>	<b>77</b>	<b>RUNNING TOTAL</b>	<b>93</b>		
SENIOR FALL		SENIOR SPRING		SENIOR SUMMER	
<input type="checkbox"/> SEQUENCE COURSE 1 SOFTWARE: ITEC 2130 WEB TECHNOLOGIES/ ITEC 3860 SOFTWARE DEVELOPMENT 1/ ITEC 4000 CLOUD COMPUTING TECHNOLOGIE/ ITEC 4200 ADVANCED DATABASES ENTERPRISE: ITEC 4150 ENT. PROCESS INTEG.	4	<input type="checkbox"/> SEQUENCE COURSE 2 SOFTWARE: ITEC 2130 WEB TECHNOLOGIES/ ITEC 3130 WEB PROG AND DESIGN (if ITEC 2130 completed)/ ITEC 3860 SOFTWARE DEVELOPMENT 1/ ITEC 4000 CLOUD COMPUTING TECHNOLOGIES/ ITEC 4200 ADVANCED DATABASES (take one course not already completed) ENTERPRISE: ITEC 4750 ENT. ARCH. DESIGN	4	<b>Graduation in May!</b>	
<input type="checkbox"/> ADVANCED DATA ANALYTICS ITEC 4220	4	<input type="checkbox"/> AMERICAN GOVERNMENT POLS 1101	3		
<input type="checkbox"/> PRINCIPLES OF MANAGEMENT ITEC 3900	3	<input type="checkbox"/> DATA ANALYTICS PROJECT ITEC 4230	3		
<input type="checkbox"/> DOMAIN ELECTIVE 2 See program plan for options	3	<input type="checkbox"/> DOMAIN ELECTIVE 3 See program plan for options	3		
<input type="checkbox"/> HUMANITIES / FINE ARTS MUSC 1100 / ARTS 1100 ENGL 21XX / FILM 1005	3				
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>13</b>		
<b>RUNNING TOTAL</b>	<b>110</b>	<b>RUNNING TOTAL</b>	<b>123</b>		

This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. *Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information. Specific summer courses may not be offered as planned. Created based on the GGC Concentration requirements.*