

**DATA SCIENCE – B.S. – 2024-25 DRAFT**

**To the student:** Please make sure you are using the correct check sheet based on your enrollment year. YOU are responsible for making sure you are on the correct check sheet and completing all program requirements accurately and on time.

Min Total Hours Required: 120  
 Total Lib Arts Hrs Req'd: 60  
 Min overall GPA: 2.0  
 Other: Min major GPA of 2.0  
 Other: No grade less than C- in major

Residence Requirements:  
 31 Hrs at RWU  
 15 Hrs in Major at RWU  
 Of last 31 Hrs, 24 at RWU

Name: \_\_\_\_\_

Shared Core		SHr	Grd
FYSE 1000	First Year Seminar	2	
COMP 1010	Prin Writing	3	Min C-
PHST 1300	Personal Wellness	1	
BIBL 1010	Encounter the OT	3	
BIBL 1020	Engaging the NT	3	
ECON 1050	Personal Financial Success	1	
HIST 1400	Western History Global Cont	3	
SRSE 4100	Senior Seminar	2	

Choice Core		SHr	Grd
COMP 1020	Writing & Researc	3	
PHIL 2202	Philosophical Ethics	3	
LITR 1010 or LITR 2XXX	Intro Literature or Lit Survey course	3	
COMM 1105	Fund of Oral Communication	3	
	Behavioral Science ¥	3	
	Social Science	3	
	Lab Science ■	4	
N/A	Mathematics	N/A	N/A
	Fine Arts	4	

Foreign Language		SHr	Grd
	Foreign Language◆	3	
	Foreign Language◆	3	
	Foreign Language◆	3	

¥ not needed if PSYC 2600 is taken as an elective in the major  
 ■ not needed if a lab science is taken as an elective in the major  
 Honors program students will have substitutions for several Gen Ed courses  
 ◆Or proficiency as outlined in the College catalog

Major Requirements: 67 Hours		SHr	Grd
CSCI 2010	Computer Science I	4	
CSCI 2020	Object-Oriented Programming	3	
CSCI 2710	Data Structures	3	
CSCI 3110	Operating Systems	3	
CSCI 3610	Database	3	
CSCI 3710	System Analysis	3	
CSCI 4210	Intro to Programming Lang	3	
CSCI 4710	Software Engineering	3	
CSCI 3000	ST: Full Stack Development I	3	
CSCI 3000	ST: Full Stack Development II	3	
CSCI 4500 or CSCI 4980	Internship or Senior Project	1	
MATH 2281	Calculus I	4	
MATH 2282	Calculus II	4	
MATH 3400	Probability & Stats	3	
MATH 3411	Mathematical Statistics	3	
Rize Core (21 Hrs)			
XIFTC 2050	Networking	3	
XDATA 1100	Found of Data Analytics I	3	
XDATA 1200	Found of Data Analytics II	3	
XDSCI 2100	Data Science I	3	
XDSCI 2200	Data Science II	3	
XDSCI 3100	AI and Machine Learning	3	
XDSCI 3600	Practicum	3	

Other Elective Credits to Reach 120 Hours		SHr	Grd