Data Science-BA **THE UNIVERSITY OF RHODE ISLAND** FALL 2022-SPRING 2023
120 Credits Total
30 Credits in Major

ABOUT THE DATA SCIENCE BA DEGREE:

The BA program in Data Science is designed to provide a solid foundation in the fundamentals of data science and will prepare students to procure, archive, clean, visualize, and analyze data.

STEP 1:

Major Requirements:

Course	Semester	Credits	Grade
LTI/DSP 110*		3	
CSC 201*		4	
STA 307, 308, 409 or BAI 210		3-4	
CSC 320 or BIO/DSP 181G*		3-4	
CSC/DSP 310 or STA 305 or ART/DSP 404* or BIO 230G*		3-4	
BAI 456 or CSC 436		3-4	
CSC/DSP 461 or STA DSP 441		4	
DSP 477 or 499 or STA/DSP 490 or STA 491		4	
Complete one elective from the following: CMB 320; BPS/CSC/STA 522; CSC 212, 412, 415, 436, 450; AMS/DSP 393G*; AMS 450; BIO/DSP 439; LAR 302; NRS 409 , 410; OCG 350, 351; HIS 116; PHL 212*; PHP 405; STA 400, 411, 412, 460; MTH 418, 447, 451, 481			
		3-4	
Required supporting electives:			
MTH 180*, 131*, or 141*		3-4	
MTH 215		3	
WRT 201*, 227*, 332*, 334* or HPR 142*		3	

42 credits at the 300-level or higher

(major and general education courses may fulfill this requirement)

Course	Credits	Course	Credits

Free elective credits

(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

> In order to transfer to the College of Arts and Sciences, students must complete MTH 180 or MTH 131 or MTH 141, with C or better; STA 409 or STA 307 or STA 308 or BAI 210, with C or better; and LTI/DSP 110 or CSC 201.

*Course approved for general education credit

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

STEP 2:   **STEP 3:**

General Education Credit Count				
At least 40 credits, no more than 12 credits with the same course code.				
Course	**Cr.**		**Course**	**Cr.**
			Total Gen Ed credits	40

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet sheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.