

UGDS-BS.Data Science AY 2023-24

First Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Freshman Inquiry	5	Freshman Inquiry	5	Freshman Inquiry	5	Milestones: Complete CS 161
BS Arts & Letters/Social Science	4	BS Arts & Letters/Social Science	4	BS Arts & Letters/Social Science	4	
MTH 251	4	MTH 252	4	MTH 253	4	
MTH 231 (DS Seminar)	2			CS 161	4	
Total Credits:	15	Total Credits:	13	Total Credits:	17	

Second Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Sophomore Inquiry	4	Sophomore Inquiry	4	Race and Ethnic Studies Requirement	4	Milestones: Complete MTH 261
BS Science with lab	4	BS Science with lab	4	BS Science	4	
CS 250	4	CS 299 Algorithmic Thinking	4	MTH 261	4	
		General Elective	4	General Elective	4	
Total Credits:	12	Total Credits:	16	Total Credits:	16	

Third Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Upper Division Cluster	4	Upper Division Cluster	4	Upper Division Cluster	4	1. See department for approved electives list
General Elective	4	Mth 343	4	MTH 371	4	
Stat 361	4	Stat 363	4	General Elective	4	Milestones: Complete MTH 371
Race and Ethnic Studies Requirement	4	General Elective	4	Other Discipline Elective from approved list ¹	4	
Total Credits:	16	Total Credits:	16	Total Credits:	16	

Fourth Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
General Elective	4	Senior Capstone	6	STAT 409 Data Science Practicum	3	1. See department for approved electives list
MTH/STAT Elective from Approved list ¹	3	MTH/STAT Elective from Approved list ¹	3	Other Discipline Elective from Approved List ¹	4	
STAT 364	4	Stat 387	4	General Elective	4	Milestones: Complete STAT 409
CS 486	4			General Elective	4	
Total Credits:	15	Total Credits:	13	Total Credits:	15	

Total Credits for Degree: 180

Mathematics and STATistics Department Website: www.pdx.edu/math

BS in Data Science Website: www.pdx.edu/math/bachelor-science-data-science

Mathematics and STATistics Advising Website: www.pdx.edu/math/undergraduate-advising